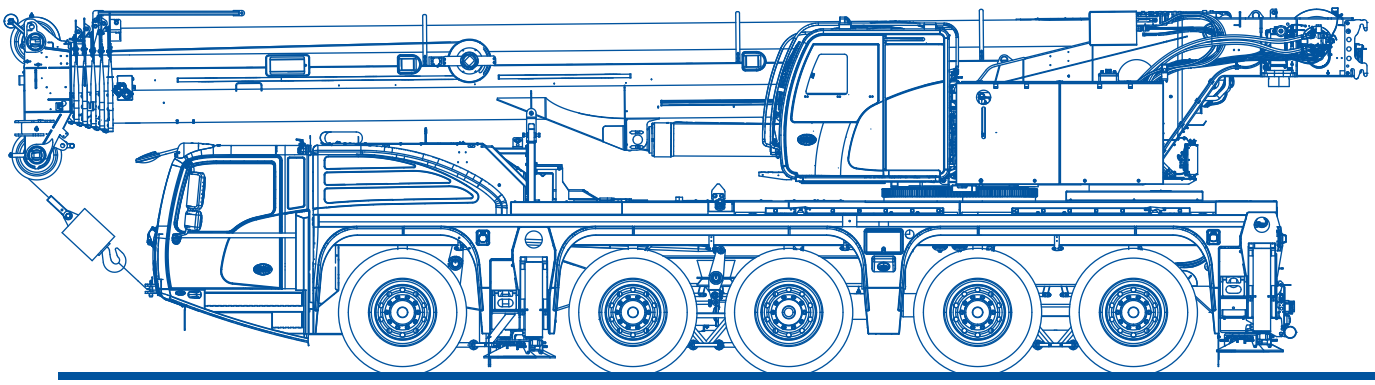
TADANO

Lifting your dreams

オールテレーンクレーン

AC130-5

ブーム (HA)
油圧チルトジブ (HAVHY)
油圧チルトジブ+ミドルジブ (HAVHY-VA)



ALL TERRAIN CRANE

DEMAG
TADANO GROUP

ALL TERRAIN CRANE
AC130-5

構 成 図

ブーム
HA

油圧チルトジブ
HAVHY

油圧チルトジブ+ミドルジブ
HAVHY-VA

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・性能設定のあるカウンタウエイトとアウトリガ張出幅の組合せを、下表に○印及びページ番号で示します。
・当仕様書にはページ番号が記載されているカウンタウエイトとアウトリガ張出幅の組合せのみ掲載されています。
・○印の性能は別途配布の全定格総荷重表データを参照してください。

ブーム

ブーム (HA)

ブーム・ジブ	アウトリガ張出幅	カウンタウエイト														
		42.2t	38.5t	31.6t	27.9t	27.1t	23.4t	21.7t	18.0t	15.2t	13.1t	10.7t	8.6t	7.0t	4.9t	3.7t	0t
ブーム (HA・後方限定)	7.7m x 7.0m	P11	○	P11	○	P11	○	○	○	○	○	P11	○	○	○	P11	○
ブーム (HA)	7.7m x 7.0m	P12	○	P14	○	P16	○	○	○	○	○	P18	○	○	○	P20	○
	7.7m x 4.7m	-	-	P22	○	P24	○	○	○	○	○	P26	○	○	○	P28	○
	7.7m x 2.55m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P30	○

HAVHY

油圧チルトジブ (HAVHY)

ブーム・ジブ	アウトリガ張出幅	カウンタウエイト														
		42.2t	38.5t	31.6t	27.9t	27.1t	23.4t	21.7t	18.0t	15.2t	13.1t	10.7t	8.6t	7.0t	4.9t	3.7t	0t
HAVHY 11 m	7.7m x 7.0m	P35	○	P45	○	P55	○	○	○	○	○	P65	○	○	○	P75	○
	7.7m x 4.7m	-	-	-	○	P85	○	○	○	○	○	P95	○	○	○	-	-
HAVHY 21 m	7.7m x 7.0m	P105	○	P115	○	P125	○	○	○	○	○	P135	○	○	○	P145	-
	7.7m x 4.7m	-	-	-	○	P155	○	○	○	○	○	-	-	-	-	-	-

HAVHY-VA

油圧チルトジブ+ミドルジブ (HAVHY-VA)

ブーム・ジブ	アウトリガ張出幅	カウンタウエイト														
		42.2t	38.5t	31.6t	27.9t	27.1t	23.4t	21.7t	18.0t	15.2t	13.1t	10.7t	8.6t	7.0t	4.9t	3.7t	0t
HAVHY-VA 23-11m	7.7m x 7.0m	P168	○	P178	○	P188	○	○	○	○	○	P198	○	○	-	-	-
	7.7m x 4.7m	-		-	○	P208	○	○	-	-	-	-	-	-	-	-	-
HAVHY-VA 33-21m	7.7m x 7.0m	P218	○	P228	○	P238	○	○	○	○	-	-	-	-	-	-	-

注)−印の組合せでは、クレーン作業を行わないでください。

記号説明

タイヤサイズ

フック

主巻ウインチ

補巻ウインチ

最高速度

道路登坂能力（オンロード）

道路登坂能力（オフロード）

旋回

ブーム伸長速度

ブーム起伏角度

作動速度

ロープ最大ラインプル

ロープ直径

ロープ長さ

フック種類

巻掛本数

フック吊上げ能力

フック質量

フック寸法
(ヘッドシーブ中心とハッカ上面の距離)

ブーム先端シーブ数

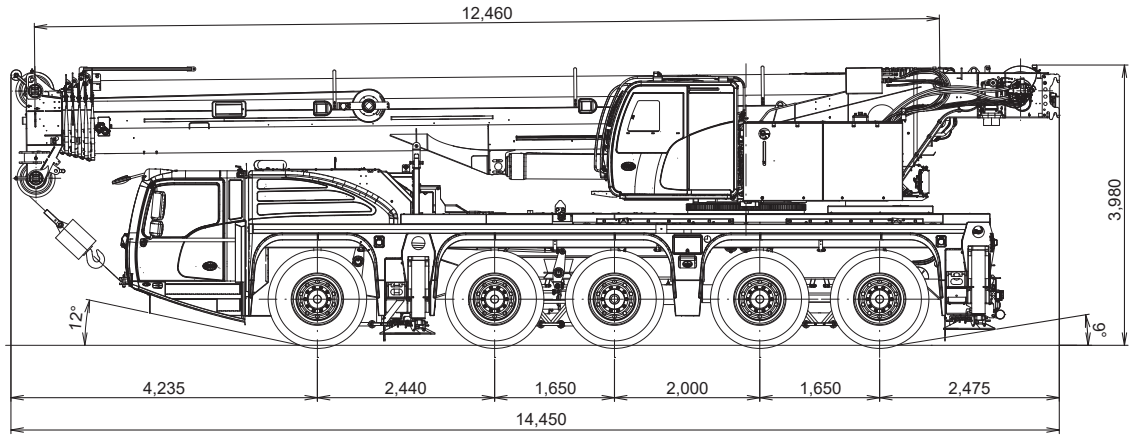
アウトリガ反力

アウトリガジャッキストローク

寸法

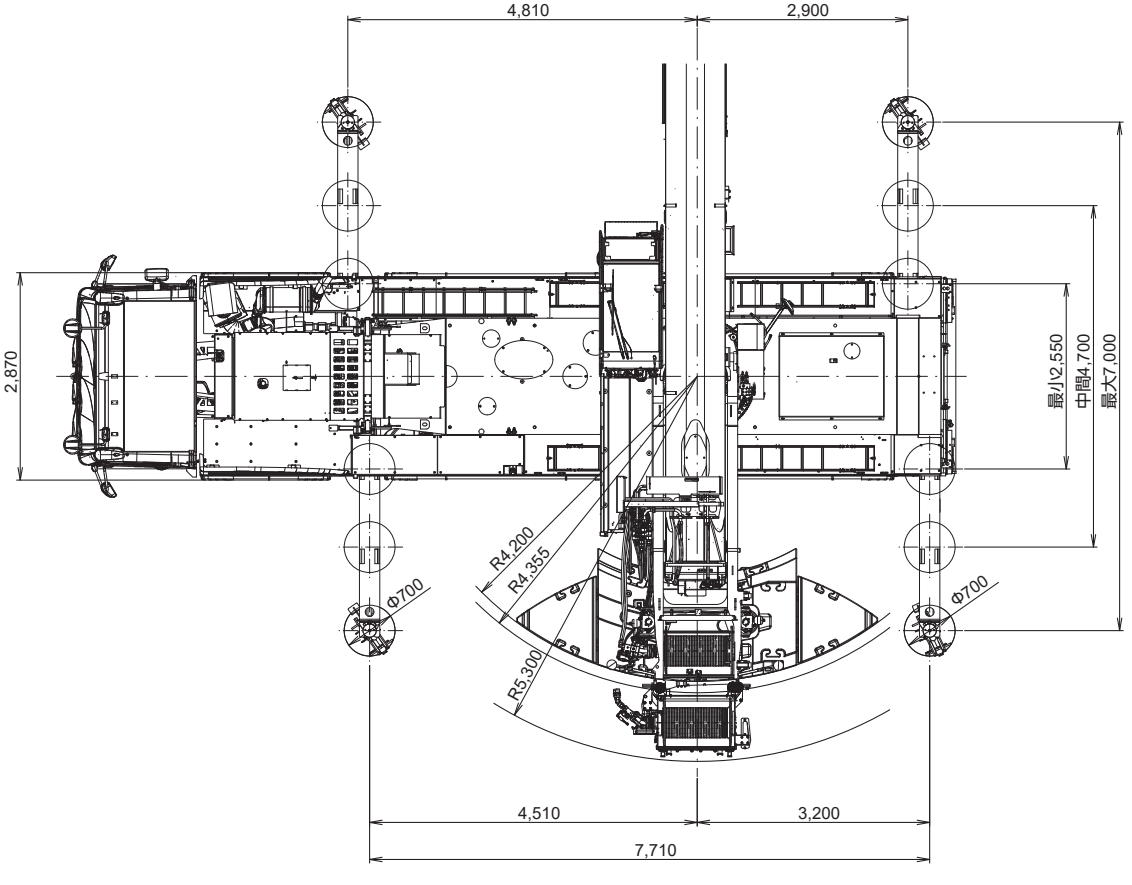
■ 公道走行状態

単位(mm)



■ アウトリガ張出幅・テールスイング

単位(mm)

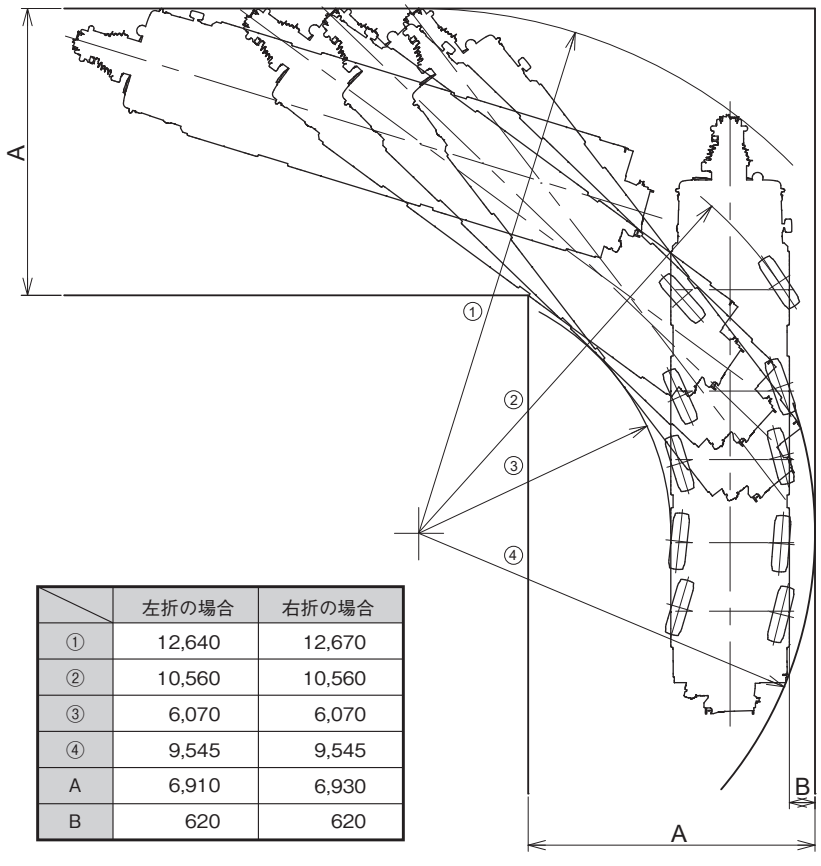


寸法

■ 最小直角通路幅

単位(mm)

● 公道走行状態･構内移動姿勢



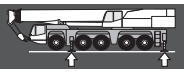
	左折の場合	右折の場合
①	12,640	12,670
②	10,560	10,560
③	6,070	6,070
④	9,545	9,545
A	6,910	6,930
B	620	620

主要諸元（技術データ）

車両総重量（公道走行状態）	
全重量	48,150 kg (※1)
前軸	20,750 kg (※1) （1軸+2軸）
後軸	27,400 kg (※1) （3軸+4軸+5軸）

※1）仕様書記載の重量は参考値となります。
正確な値は車検証に記載の重量を確認してください。

* 手動で作動



	63 t	73 t	80 km/h
	530 mm	610 mm	

	385/95 R 25 14.00 R 25
%	47 %
%	64 %

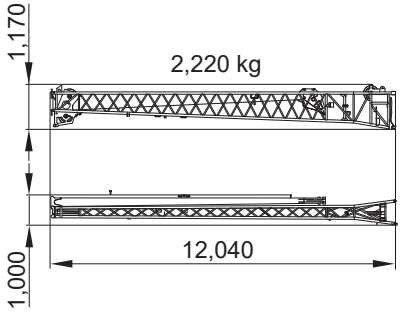
1	120 m/min (※2)	82.4 kN	21 mm	300 m
2	120 m/min (※2)	82.4 kN	21 mm	330 m
∞	1.70 min-1 (※2)			
	438 s (※2) (12.5 – 59.8 m)			
	35 s (※2) (-1.5° – 82°)			

※2）上記の作動速度は計算値です。

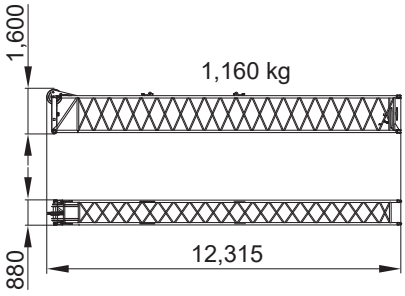
	t			kg	
1	8.3	12.5-0/21	4	350 kg	2.00 m
2	16.6	32-1/21	4	630 kg	2.70 m
3	24.7	32-1/21	4	630 kg	3.00 m
4	32.8	80-3/21	4	850 kg	3.00 m
5	40.8	80-3/21	4	850 kg	3.00 m
6	48.7	80-3/21	4	850 kg	3.00 m
7	56.5	80-3/21	4	850 kg	3.00 m
8	64.3	160-7/21	4	1,660 kg	3.00 m
9	72.0	160-7/21	4+2	1,660 kg	3.00 m
10	79.6	160-7/21	4+2	1,660 kg	3.00 m
11	87.1	160-7/21	4+2	1,660 kg	3.00 m
12	91.8	160-7/21	4+2	1,660 kg	3.00 m

装備品

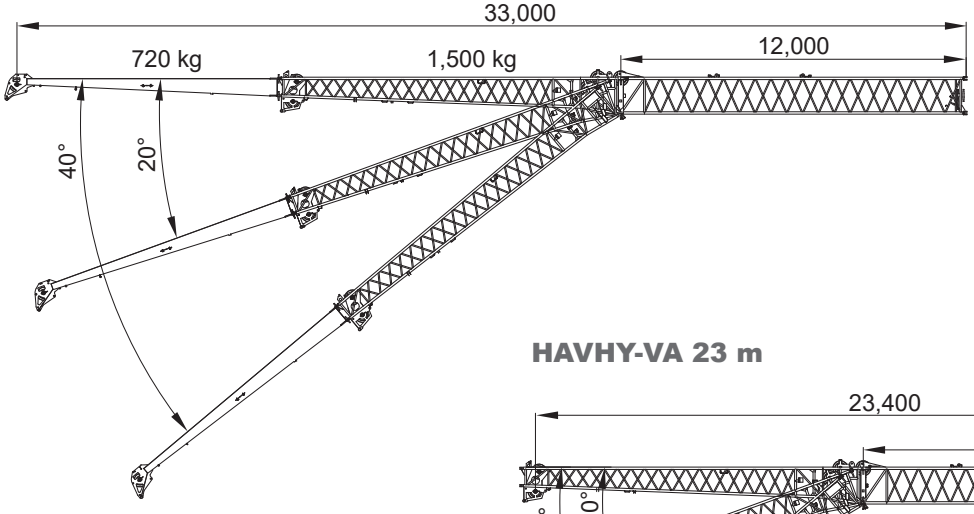
HAVHY / HAVHY-VA 単位(mm)



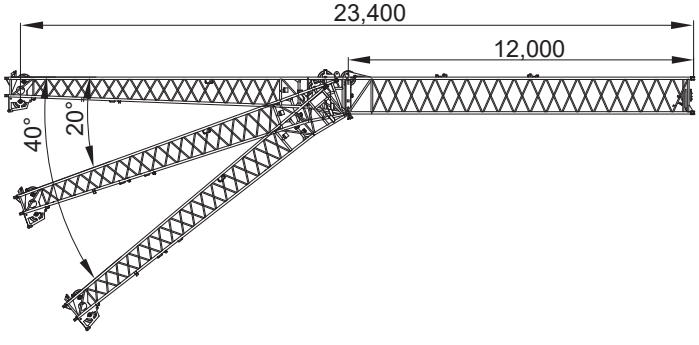
VA



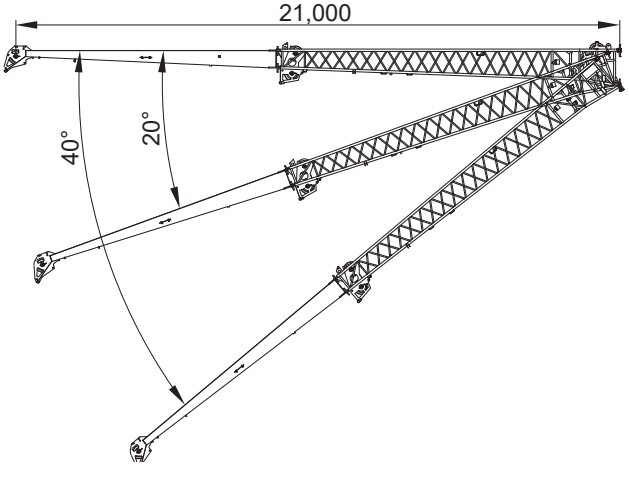
HAVHY-VA 33 m



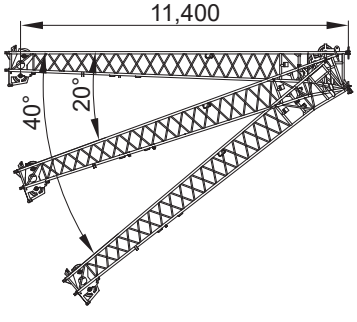
HAVHY-VA 23 m



HAVHY 21 m

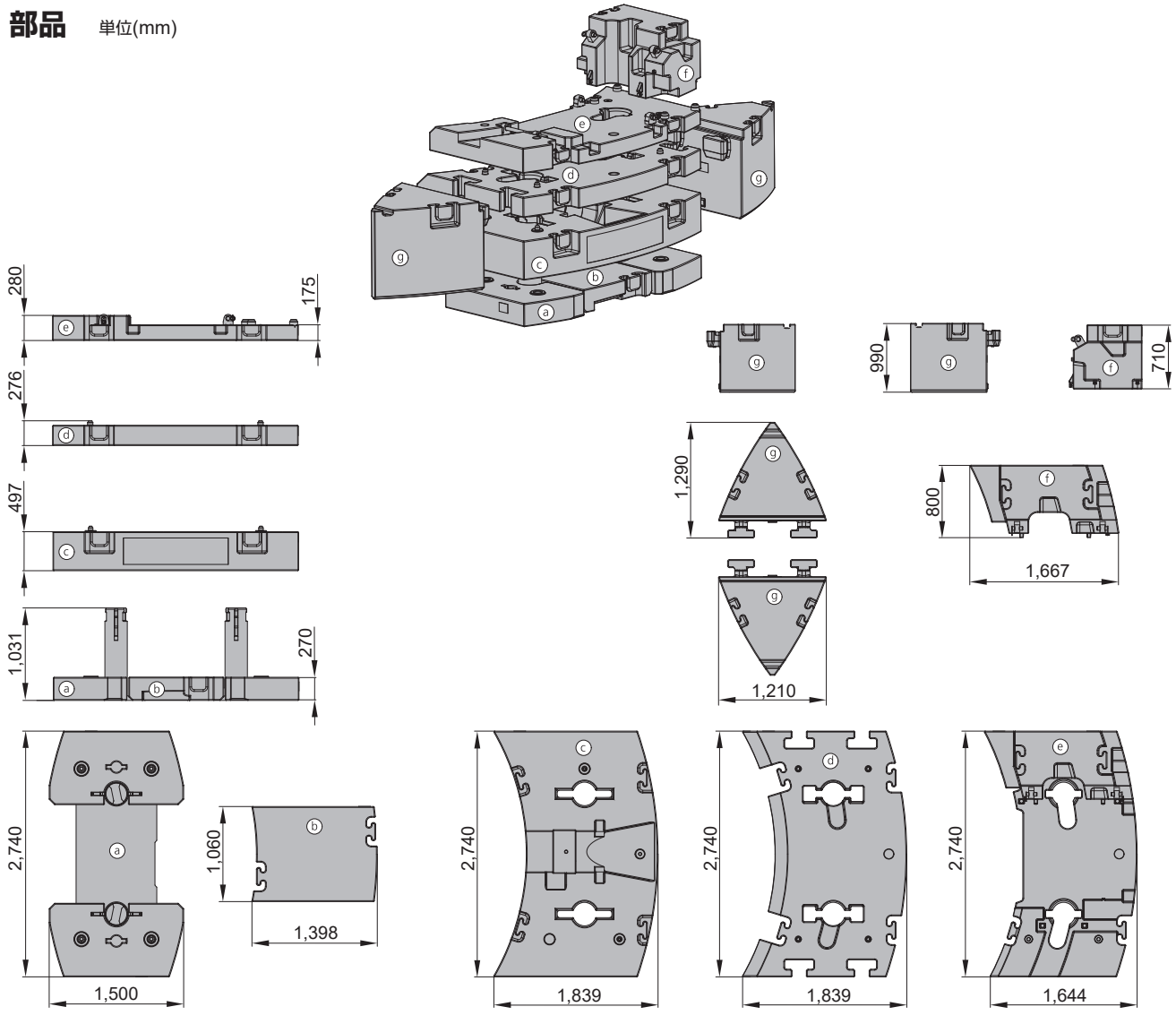


HAVHY 11 m



カウンタウエイト

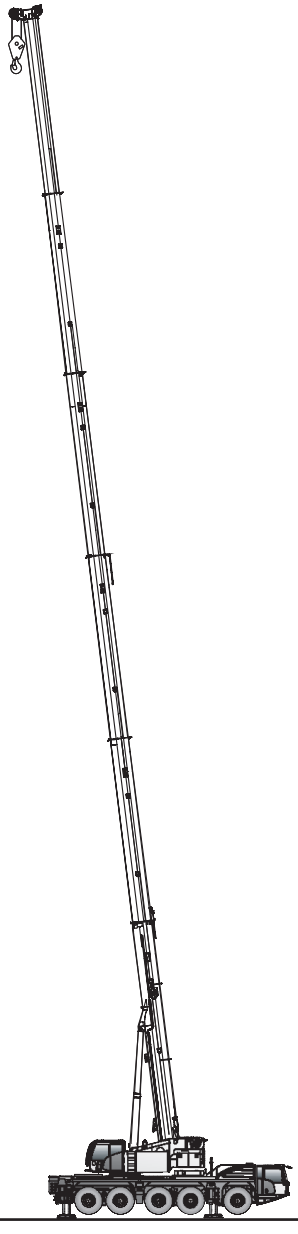
部品 単位(mm)



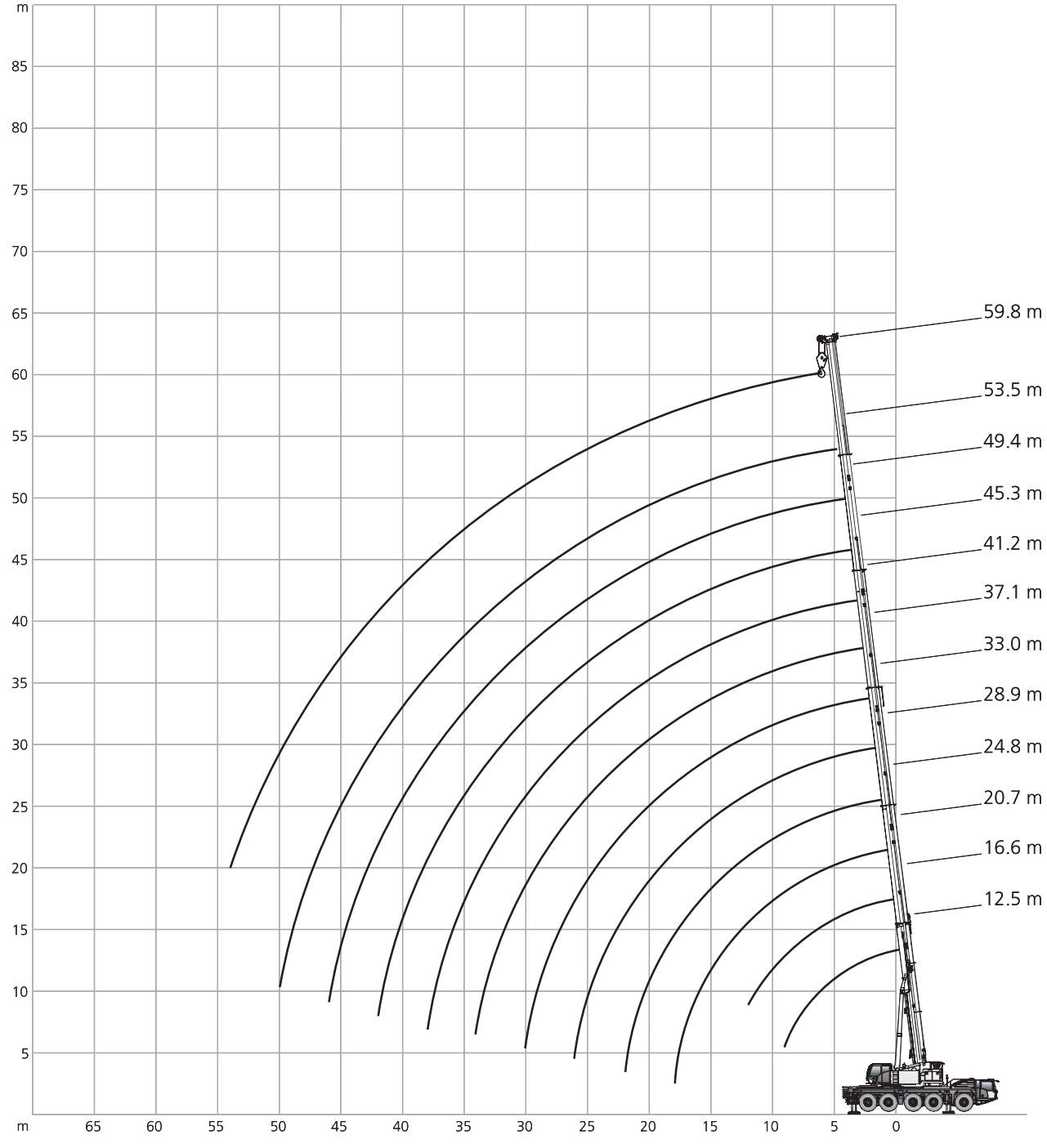
構成

	ⓐ 4.9 t	ⓑ 2.1 t	ⓒ 11.0 t	ⓓ 5.4 t	ⓔ 4.5 t	ⓕ 3.7 t	ⓖ 5.3 t	ⓖ 5.3 t
0 t								
3.7 t						X		
4.9 t	X							
7.0 t	X	X						
8.6 t	X					X		
10.7 t	X	X				X		
13.1 t	X				X	X		
15.2 t	X	X			X	X		
18.0 t	X	X	X					
21.7 t	X	X	X			X		
23.4 t	X	X	X	X				
27.1 t	X	X	X	X		X		
27.9 t	X	X	X	X	X			
31.6 t	X	X	X	X	X	X		
38.5 t	X	X	X	X	X		X	X
42.2 t	X	X	X	X	X	X	X	X

オールテレーンクレーン
AC130-5
ブーム



ブーム作業半径－揚程図


m
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
m
65
60
55
50
45
40
35
30
25
20
15
10
5
0
59.8 m
53.5 m
49.4 m
45.3 m
41.2 m
37.1 m
33.0 m
28.9 m
24.8 m
20.7 m
16.6 m
12.5 m

ブーム

HA（ブーム）定格総荷重表

■ 定格総荷重表注意事項

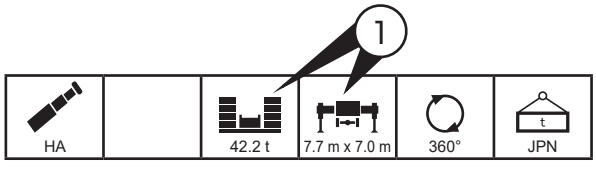
◆定格総荷重は、つり具質量とフック質量（91.8tフック:1,660kg、57.5tフック: 850kg、24.7tフック: 630kg、8.3tフック:350kg）を含んだ値を示します。
◆定格総荷重は、ブームのたわみを含んだ実際の作業半径に基づいています。
◆シングルトップ使用時の巻掛本数は1本（8.3tフック使用）で、定格総荷重はブームの定格総荷重からブームに取り付けられているフックの質量を差し引いた値とし、かつ上限は8.3tです。
◆定格総荷重表の標準巻掛本数は、主巻（300m）と補巻（330m）の巻掛本数です。
但し、ブーム長さ25.2mと24.8mは、補巻の標準巻掛本数は最大10本掛けですが、主巻の標準巻掛本数は最大9本掛けとなり、主巻使用時の定格総荷重の上限は72.0tになります。

定格総荷重表中のシンボル、記号の説明

HA	ブームの定格総荷重を示します。	m	ブーム長さを示します。
	カウンタウエイト（C/W）組合せを示します。	m	作業半径を示します。
	アウトリガ張出幅を示します。	%	ブーム伸縮状態 (伸縮割合 %) を示します。 LK-Codeはブーム伸縮状態に対応する番号を示します。
360 ° 0 °	吊上げ可能な旋回範囲を示します。 0°の場合、後方限定を示します。		標準巻掛本数を示します。

■ 定格総荷重表の見方

1. アウトリガ張出幅とカウンタウエイトの質量に応じた性能を選択します。
2. ブーム長さとLK-Codeの欄を見ます。
3. 作業半径の欄を見ます。
4. ブーム長さ、LK-Codeと作業半径が交差するところが定格総荷重です。



m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
3.0	91.7	87.7	88.4	88.8	89.2	58.7	85.1	86.3	86.9	63.1	42.5	39.4	74.9	76.4	65.5	44.3	3.0
3.5	84.8	80.9	81.7	82.1	82.5	55.7	79.0	79.9	80.5	60.0	39.7	36.7	74.6	75.6	62.9	41.3	3.5
4.0	78.6	75.2	75.9	76.3	76.7	52.9	73.2	74.1	74.8	57.3	37.4	34.5	71.9	73.1	60.4	38.7	4.0
4.5	72.8	70.1	70.9	71.3	71.7	50.3	68.3	69.2	69.8	54.8	35.2	32.5	67.2	68.2	58.0	36.3	4.5
5.0	67.6	65.7	66.5	66.9	67.3	47.8	63.9	64.8	65.5	52.6	33.5	30.7	62.9	63.9	55.8	34.2	5.0
6.0	59.2	58.3	59.0	59.5	59.8	43.7	56.7	57.6	58.3	48.5	30.3	27.9	55.8	56.8	52.0	30.7	6.0
7.0	52.4	51.7	52.3	52.7	53.1	40.4	50.9	51.8	52.5	44.6	27.5	25.3	50.0	51.1	48.7	28.1	7.0
8.0	46.9	46.2	46.8	47.2	47.6	37.6	46.1	47.0	47.7	41.1	25.1	23.0	45.3	46.4	45.5	25.6	8.0
9.0	39.1	41.7	43.2	42.7	43.1	35.3	41.6	42.5	43.1	38.1	23.2	21.2	41.4	42.4	42.3	23.4	9.0
10.0		37.8	38.4	38.8	39.2	33.1	37.8	38.6	39.3	35.4	21.6	19.7	38.0	39.0	39.4	21.6	10.0
12.0		30.7	31.2	31.6	32.1	30.2	30.8	31.8	32.6	30.9	19.1	17.4	31.2	32.4	33.3	18.8	12.0
14.0		20.2					24.8	25.9	26.9	27.3	17.0	15.4	25.2	26.6	27.7	16.7	14.0
16.0							20.0	21.1	22.0	22.9	15.5	13.9	20.4	21.7	22.8	14.9	16.0
18.0							14.6	11.8	12.6	13.2	13.5	12.9	16.9	18.1	19.2	13.5	18.0
20.0													14.2	15.4	16.4	12.4	20.0
22.0													11.2	10.1	10.9	11.2	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	12	12	12	12	12	8	11	11	11	8	6	5	10	10	9	6	

HA		表内参照	7.7 m x 7.0 m	0°	JPN

	m	12.5	12.5	12.5	12.5	12.5												m
	t	42.2	31.6	27.1	10.7	3.7												t
m	2.5	*130.0																2.5
	3.0	91.7	91.7	91.7	91.7	91.7												3.0
	3.5	84.8	84.8	84.8	84.8	84.8												3.5
	4.0	78.8	78.8	78.8	78.8	78.8												4.0
	4.5	73.6	73.6	73.6	73.6	73.6												4.5
	5.0	69.0	69.0	69.0	69.0	67.4												5.0
	6.0	60.9	60.9	60.9	58.5	48.0												6.0
	7.0	53.8	53.8	53.8	42.9	34.4												7.0
	8.0	47.0	47.0	47.0	33.1	26.3												8.0
	9.0	39.1	39.1	39.1	26.6	21.0												9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
	24.0																	24.0
	26.0																	26.0
	28.0																	28.0
	30.0																	30.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
%	1	0	0	0	0	0												1
	2	0	0	0	0	0												2
	3	0	0	0	0	0												3
	4	0	0	0	0	0												4
	5	0	0	0	0	0												5
	LK-Code	1	1	1	1	1												LK-Code
		12	12	12	12	12												

*吊り上げ性能クラス

ブーム

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
3.0	91.7	87.7	88.4	88.8	89.2	58.7	85.1	86.3	86.9	63.1	42.5	39.4	74.9	76.4	65.5	44.3	3.0
3.5	84.8	80.9	81.7	82.1	82.5	55.7	79.0	79.9	80.5	60.0	39.7	36.7	74.6	75.6	62.9	41.3	3.5
4.0	78.6	75.2	75.9	76.3	76.7	52.9	73.2	74.1	74.8	57.3	37.4	34.5	71.9	73.1	60.4	38.7	4.0
4.5	72.8	70.1	70.9	71.3	71.7	50.3	68.3	69.2	69.8	54.8	35.2	32.5	67.2	68.2	58.0	36.3	4.5
5.0	67.6	65.7	66.5	66.9	67.3	47.8	63.9	64.8	65.5	52.6	33.5	30.7	62.9	63.9	55.8	34.2	5.0
6.0	59.2	58.3	59.0	59.5	59.8	43.7	56.7	57.6	58.3	48.5	30.3	27.9	55.8	56.8	52.0	30.7	6.0
7.0	52.4	51.7	52.3	52.7	53.1	40.4	50.9	51.8	52.5	44.6	27.5	25.3	50.0	51.1	48.7	28.1	7.0
8.0	46.9	46.2	46.8	47.2	47.6	37.6	46.1	47.0	47.7	41.1	25.1	23.0	45.3	46.4	45.5	25.6	8.0
9.0	39.1	41.7	42.2	42.7	43.1	35.3	41.6	42.5	43.1	38.1	23.2	21.2	41.4	42.4	42.3	23.4	9.0
10.0		37.8	38.4	38.8	39.2	33.1	37.8	38.6	39.3	35.4	21.6	19.7	38.0	39.0	39.4	21.6	10.0
12.0		30.7	31.2	31.6	32.1	30.2	30.8	31.8	32.6	30.9	19.1	17.4	31.2	32.4	33.3	18.8	12.0
14.0		20.2					24.8	25.9	26.9	27.3	17.0	15.4	25.2	26.6	27.7	16.7	14.0
16.0							20.0	21.1	22.0	22.9	15.5	13.9	20.4	21.7	22.8	14.9	16.0
18.0							14.6	11.8	12.6	13.2	13.5	12.9	16.9	18.1	19.2	13.5	18.0
20.0													14.2	15.4	16.4	12.4	20.0
22.0													11.2	10.1	10.9	11.2	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	12	12	12	12	12	8	11	11	11	8	6	5	10	10	9	6	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
3.0	44.2	40.6															3.0
3.5	41.7	38.3	58.6	57.3	45.7	42.7	42.6										3.5
4.0	39.2	36.2	58.2	56.6	44.2	40.3	41.1	33.3	29.9								4.0
4.5	36.9	34.3	57.9	55.9	41.9	38.1	39.1	31.4	28.3	44.8	44.5	40.4	37.5	34.4	31.2		4.5
5.0	34.9	32.6	57.3	55.2	39.6	36.2	37.2	29.7	26.7	44.5	43.4	39.0	36.9	33.1	30.0	25.8	5.0
6.0	31.4	29.7	55.3	53.7	35.4	32.8	33.7	26.6	24.0	43.9	40.2	36.1	34.8	30.3	27.6	24.5	6.0
7.0	28.7	27.3	49.6	50.6	32.0	30.0	30.8	24.1	21.7	43.3	37.0	33.3	32.2	27.6	25.2	22.6	7.0
8.0	26.1	25.0	44.9	46.0	29.1	27.6	28.3	22.1	19.9	42.3	34.0	30.7	29.9	25.3	23.2	20.8	8.0
9.0	23.8	22.8	41.0	42.1	26.8	25.7	26.3	20.4	18.3	40.6	31.2	28.4	27.9	23.2	21.5	19.2	9.0
10.0	21.9	21.0	37.7	38.8	24.7	23.8	24.4	18.9	17.0	37.6	28.9	26.4	26.1	21.5	20.0	17.9	10.0
12.0	19.0	18.1	31.8	33.0	21.0	20.5	21.1	16.2	14.6	32.4	24.9	23.0	23.1	18.6	17.6	15.8	12.0
14.0	16.8	16.0	25.9	27.3	18.3	18.1	18.7	14.2	12.8	26.6	21.6	20.1	20.4	16.1	15.5	13.9	14.0
16.0	15.0	14.3	21.0	22.4	16.3	16.0	16.9	12.8	11.4	21.7	19.0	17.9	18.4	14.2	13.9	12.4	16.0
18.0	13.5	12.9	17.5	18.8	14.7	14.4	15.3	11.6	10.3	18.2	17.1	16.2	16.8	12.7	12.7	11.2	18.0
20.0	12.3	11.7	14.7	16.0	13.2	13.0	14.0	10.5	9.4	15.4	15.4	14.8	15.5	11.5	11.6	10.3	20.0
22.0	11.5	10.8	12.6	13.8	12.0	11.9	12.9	9.6	8.5	13.2	13.6	13.6	14.3	10.5	10.6	9.5	22.0
24.0			10.9	12.1	11.1	11.0	12.1	8.9	7.9	11.4	11.8	12.1	12.6	9.6	9.7	8.7	24.0
26.0			9.1	8.7	9.0	9.3	9.5	8.4	7.3	10.0	10.4	10.7	11.1	8.8	8.9	8.1	26.0
28.0									6.9	8.8	9.2	9.5	9.9	8.2	8.4	7.6	28.0
30.0										7.8	7.0	7.2	7.6	7.7	7.8	7.2	30.0
32.0																6.9	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	6	5	8	8	6	6	6	5	4	6	6	5	5	5	4	4	

HA		42.2 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	36.0	34.6	31.6	33.4	29.6	28.2	26.1										6.0
7.0	35.7	34.1	31.0	31.6	27.7	26.4	24.4	20.6	28.0	26.7	25.1	25.8	23.1				7.0
8.0	34.3	32.8	29.8	29.5	25.9	24.5	22.6	20.0	27.8	26.4	24.1	24.8	22.1	18.3	22.1	21.0	8.0
9.0	32.6	31.2	28.6	27.5	24.1	22.8	21.0	19.2	27.4	25.9	23.1	23.7	20.9	18.0	22.0	20.9	9.0
10.0	30.7	29.5	27.1	25.6	22.4	21.3	19.5	18.0	26.3	24.7	21.9	22.5	19.7	17.6	21.8	20.6	10.0
12.0	26.7	26.1	24.3	22.2	19.7	18.9	16.9	15.8	23.9	22.5	19.8	20.1	17.5	16.0	20.7	19.4	12.0
14.0	23.3	23.2	22.0	19.5	17.4	16.9	14.9	14.0	21.3	20.2	18.0	17.8	15.6	14.4	19.0	17.8	14.0
16.0	20.2	20.5	19.9	17.1	15.4	15.2	13.1	12.4	19.0	18.2	16.4	15.9	14.0	13.0	17.3	16.2	16.0
18.0	17.7	18.0	18.2	15.2	13.8	13.8	11.7	11.1	16.8	16.4	14.9	14.1	12.5	11.8	15.7	14.8	18.0
20.0	15.0	15.3	16.0	13.7	12.6	12.7	10.5	9.9	14.9	14.8	13.7	12.7	11.3	10.6	14.1	13.5	20.0
22.0	12.8	13.1	13.8	12.4	11.5	11.7	9.6	9.0	12.7	13.2	12.6	11.5	10.3	9.7	12.7	12.3	22.0
24.0	11.1	11.3	12.0	11.4	10.6	10.8	8.8	8.3	11.0	11.4	11.8	10.5	9.5	8.9	11.1	11.3	24.0
26.0	9.6	9.8	10.5	10.4	9.8	10.0	8.1	7.6	9.5	10.0	10.7	9.6	8.8	8.2	9.7	10.2	26.0
28.0	8.4	8.6	9.3	9.2	9.1	9.3	7.4	7.0	8.3	8.7	9.5	8.9	8.2	7.6	8.5	9.0	28.0
30.0	7.3	7.6	8.3	8.2	8.5	8.7	6.9	6.4	7.2	7.7	8.5	8.1	7.6	7.1	7.4	8.0	30.0
32.0	6.4	6.7	7.4	7.3	7.8	8.1	6.5	6.0	6.3	6.7	7.6	7.5	7.1	6.6	6.4	7.0	32.0
34.0	5.0	5.9	6.6	5.8	6.2	6.5	6.1	5.6	5.5	5.9	6.8	6.7	6.6	6.1	5.6	6.2	34.0
36.0								5.3	4.8	5.2	6.1	6.0	6.3	5.7	4.9	5.5	36.0
38.0									3.9	4.7	5.5	5.0	5.5	5.4	4.3	4.9	38.0
40.0														5.2	3.8	4.3	40.0
42.0															3.2	3.8	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	5	5	4	5	4	4	4	3	4	4	4	4	3	3	3	3	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	20.1	19.9															8.0
9.0	19.7	19.7	15.1	17.8	17.2												9.0
10.0	19.2	19.0	15.0	17.7	17.1	12.9	14.5										10.0
12.0	17.6	17.4	14.8	17.6	16.8	12.8	14.5	10.5									12.0
14.0	16.1	15.8	14.2	16.8	15.9	12.7	14.4	10.5									14.0
16.0	14.6	14.4	13.2	15.7	14.8	12.4	13.9	10.5									16.0
18.0	13.3	13.1	12.1	14.4	13.7	12.0	13.2	10.5									18.0
20.0	12.2	12.0	11.1	13.2	12.7	11.3	12.5	10.4									20.0
22.0	11.1	10.9	10.1	12.1	11.7	10.5	11.6	10.0									22.0
24.0	10.3	10.0	9.2	11.0	10.7	9.7	10.7	9.5									24.0
26.0	9.6	9.2	8.4	10.0	9.9	8.9	9.8	8.9									26.0
28.0	8.9	8.4	7.7	8.8	9.2	8.2	9.0	8.2									28.0
30.0	8.3	7.8	7.1	7.7	8.3	7.6	8.0	7.6									30.0
32.0	7.6	7.2	6.6	6.7	7.4	7.1	7.1	7.0									32.0
34.0	6.8	6.7	6.1	5.9	6.5	6.6	6.3	6.2									34.0
36.0	6.0	6.2	5.7	5.2	5.8	5.9	5.6	5.5									36.0
38.0	5.4	5.7	5.3	4.6	5.2	5.3	4.9	4.9									38.0
40.0	4.9	5.1	4.9	4.0	4.6	4.7	4.4	4.3									40.0
42.0	4.4	4.4	4.6	3.5	4.1	4.2	3.8	3.8									42.0
44.0			4.2	3.1	3.7	3.8	3.4	3.4									44.0
46.0			3.8	2.7	3.3	3.4	3.0	2.9									46.0
48.0						3.0	2.6	2.6									48.0
50.0						2.7	2.3	2.2									50.0
54.0								1.7									54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	3	3	2	3	3	2	2	2									

ブーム

HA		31.6 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
3.0	91.7	87.7	88.4	88.8	89.2	58.7	85.1	86.3	86.9	63.1	42.5	39.4	74.9	76.4	65.5	44.3	3.0
3.5	84.6	80.9	81.7	82.1	82.5	55.7	79.0	79.9	80.5	60.0	39.7	36.7	74.6	75.6	62.9	41.3	3.5
4.0	77.8	75.2	75.9	76.3	76.7	52.9	73.2	74.1	74.8	57.3	37.4	34.5	71.9	73.1	60.4	38.7	4.0
4.5	72.0	70.1	70.9	71.3	71.7	50.3	68.3	69.2	69.8	54.8	35.2	32.5	67.2	68.2	58.0	36.3	4.5
5.0	66.9	65.7	66.5	66.9	67.3	47.8	63.9	64.8	65.5	52.6	33.5	30.7	62.9	63.9	55.8	34.2	5.0
6.0	58.5	57.9	58.4	58.9	59.2	43.7	56.7	57.6	58.3	48.5	30.3	27.9	55.8	56.8	52.0	30.7	6.0
7.0	51.8	51.2	51.7	52.2	52.5	40.4	50.9	51.8	52.5	44.6	27.5	25.3	50.0	51.1	48.7	28.1	7.0
8.0	46.4	45.7	46.3	46.7	47.1	37.6	45.7	46.5	47.2	41.1	25.1	23.0	45.3	46.4	45.5	25.6	8.0
9.0	39.1	40.1	40.8	41.3	41.8	35.3	40.1	41.1	41.9	38.1	23.2	21.2	40.5	41.7	42.3	23.4	9.0
10.0		35.4	36.2	36.8	37.3	33.1	35.4	36.6	37.4	35.4	21.6	19.7	36.0	37.2	38.1	21.6	10.0
12.0		26.1	27.0	27.7	28.3	28.8	26.1	27.3	28.4	29.4	19.1	17.4	26.6	28.0	29.3	18.8	12.0
14.0		20.1					20.0	21.2	22.2	23.2	17.0	15.4	20.5	21.9	23.1	16.7	14.0
16.0							15.9	17.0	17.9	18.8	15.5	13.9	16.3	17.6	18.7	14.9	16.0
18.0							12.9	11.8	12.6	13.2	13.5	12.9	13.2	14.5	15.6	13.5	18.0
20.0													10.9	12.2	13.2	12.4	20.0
22.0													9.2	10.1	10.9	11.2	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	12	12	12	12	12	8	11	11	11	8	6	5	10	10	9	6	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
3.0	44.2	40.6															3.0
3.5	41.7	38.3	58.6	57.3	45.7	42.7	42.6										3.5
4.0	39.2	36.2	58.2	56.6	44.2	40.3	41.1	33.3	29.9								4.0
4.5	36.9	34.3	57.9	55.9	41.9	38.1	39.1	31.4	28.3	44.8	44.5	40.4	37.5	34.4	31.2		4.5
5.0	34.9	32.6	57.3	55.2	39.6	36.2	37.2	29.7	26.7	44.5	43.4	39.0	36.9	33.1	30.0	25.8	5.0
6.0	31.4	29.7	55.3	53.7	35.4	32.8	33.7	26.6	24.0	43.9	40.2	36.1	34.8	30.3	27.6	24.5	6.0
7.0	28.7	27.3	49.6	50.6	32.0	30.0	30.8	24.1	21.7	43.3	37.0	33.3	32.2	27.6	25.2	22.6	7.0
8.0	26.1	25.0	44.9	46.0	29.1	27.6	28.3	22.1	19.9	42.3	34.0	30.7	29.9	25.3	23.2	20.8	8.0
9.0	23.8	22.8	41.0	42.1	26.8	25.7	26.3	20.4	18.3	40.6	31.2	28.4	27.9	23.2	21.5	19.2	9.0
10.0	21.9	21.0	36.3	37.8	24.7	23.8	24.4	18.9	17.0	35.8	28.9	26.4	26.1	21.5	20.0	17.9	10.0
12.0	19.0	18.1	27.3	28.8	21.0	20.5	21.1	16.2	14.6	28.1	24.9	23.0	23.1	18.6	17.6	15.8	12.0
14.0	16.8	16.0	21.2	22.7	18.3	18.1	18.7	14.2	12.8	22.0	21.6	20.1	20.4	16.1	15.5	13.9	14.0
16.0	15.0	14.3	16.9	18.3	16.3	16.0	16.9	12.8	11.4	17.6	18.1	17.9	18.4	14.2	13.9	12.4	16.0
18.0	13.5	12.9	13.8	15.2	14.7	14.4	15.3	11.6	10.3	14.5	14.9	15.3	15.7	12.7	12.7	11.2	18.0
20.0	12.3	11.7	11.5	12.8	13.2	13.0	13.7	10.5	9.4	12.1	12.5	12.9	13.3	11.5	11.6	10.3	20.0
22.0	11.5	10.8	9.7	10.9	11.3	11.6	11.8	9.6	8.5	10.3	10.7	11.0	11.4	10.5	10.6	9.5	22.0
24.0			8.2	9.5	9.8	10.1	10.3	8.9	7.9	8.8	9.2	9.5	9.9	9.6	9.7	8.7	24.0
26.0			7.0	8.3	8.6	8.9	9.1	8.4	7.3	7.6	8.0	8.3	8.7	8.8	8.9	8.1	26.0
28.0									6.9	6.5	6.9	7.3	7.7	7.8	8.2	7.6	28.0
30.0										5.7	6.1	6.4	6.9	6.9	7.4	7.2	30.0
32.0																6.7	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	6	5	8	8	6	6	6	5	4	6	6	5	5	5	4	4	

HA		31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0	36.0	34.6	31.6	33.4	29.6	28.2	26.1										6.0
	7.0	35.7	34.1	31.0	31.6	27.7	26.4	24.4	20.6	28.0	26.7	25.1	25.8	23.1				7.0
	8.0	34.3	32.8	29.8	29.5	25.9	24.5	22.6	20.0	27.8	26.4	24.1	24.8	22.1	18.3	22.1	21.0	8.0
	9.0	32.6	31.2	28.6	27.5	24.1	22.8	21.0	19.2	27.4	25.9	23.1	23.7	20.9	18.0	22.0	20.9	9.0
	10.0	30.7	29.5	27.1	25.6	22.4	21.3	19.5	18.0	26.3	24.7	21.9	22.5	19.7	17.6	21.8	20.6	10.0
	12.0	26.7	26.1	24.3	22.2	19.7	18.9	16.9	15.8	23.9	22.5	19.8	20.1	17.5	16.0	20.7	19.4	12.0
	14.0	21.5	21.8	22.0	19.5	17.4	16.9	14.9	14.0	21.2	20.2	18.0	17.8	15.6	14.4	19.0	17.8	14.0
	16.0	17.2	17.5	18.3	17.1	15.4	15.2	13.1	12.4	17.2	17.6	16.4	15.9	14.0	13.0	17.3	16.2	16.0
	18.0	14.1	14.4	15.1	15.1	13.8	13.8	11.7	11.1	14.0	14.5	14.9	14.1	12.5	11.8	14.2	14.8	18.0
	20.0	11.8	12.0	12.7	12.7	12.6	12.7	10.5	9.9	11.7	12.1	13.0	12.7	11.3	10.6	11.9	12.4	20.0
	22.0	9.9	10.2	10.8	10.8	11.3	11.6	9.6	9.0	9.8	10.3	11.1	11.0	10.3	9.7	10.0	10.6	22.0
	24.0	8.4	8.7	9.3	9.3	9.8	10.1	8.8	8.3	8.3	8.8	9.6	9.5	9.5	8.9	8.5	9.1	24.0
	26.0	7.1	7.4	8.1	8.1	8.5	8.8	8.1	7.6	7.0	7.5	8.4	8.3	8.8	8.2	7.2	7.8	26.0
	28.0	6.1	6.3	7.1	7.0	7.5	7.8	7.4	7.0	6.0	6.4	7.3	7.2	7.8	7.6	6.1	6.7	28.0
	30.0	5.2	5.4	6.1	6.1	6.6	6.9	6.9	6.4	5.0	5.5	6.4	6.3	6.9	7.0	5.2	5.8	30.0
	32.0	4.4	4.7	5.4	5.3	5.8	6.2	6.5	6.0	4.3	4.7	5.6	5.5	6.1	6.2	4.4	5.0	32.0
	34.0	3.8	4.0	4.7	4.7	5.1	5.5	5.8	5.6	3.6	4.1	4.9	4.8	5.4	5.5	3.7	4.3	34.0
	36.0								5.3	3.0	3.5	4.3	4.2	4.8	4.9	3.2	3.7	36.0
	38.0									2.6	3.0	3.8	3.7	4.3	4.4	2.6	3.2	38.0
	40.0														3.9	2.2	2.8	40.0
	42.0															1.8	2.4	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		5	5	4	5	4	4	4	3	4	4	4	4	3	3	3	3	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	20.1	19.9															8.0
	9.0	19.7	19.7	15.1	17.8	17.2												9.0
	10.0	19.2	19.0	15.0	17.7	17.1	12.9	14.5										10.0
	12.0	17.6	17.4	14.8	17.6	16.8	12.8	14.5	10.5									12.0
	14.0	16.1	15.8	14.2	16.8	15.9	12.7	14.4	10.5									14.0
	16.0	14.6	14.4	13.2	15.7	14.8	12.4	13.9	10.5									16.0
	18.0	13.3	13.1	12.1	14.4	13.7	12.0	13.2	10.5									18.0
	20.0	12.2	12.0	11.1	12.2	12.7	11.3	12.5	10.4									20.0
	22.0	11.1	10.9	10.1	10.3	10.9	10.5	10.7	10.0									22.0
	24.0	9.6	9.9	9.2	8.8	9.4	9.5	9.2	9.1									24.0
	26.0	8.3	8.6	8.4	7.6	8.2	8.3	7.9	7.9									26.0
	28.0	7.3	7.6	7.6	6.5	7.1	7.2	6.8	6.8									28.0
	30.0	6.4	6.7	6.7	5.5	6.2	6.3	5.9	5.9									30.0
	32.0	5.6	5.9	5.9	4.7	5.4	5.5	5.1	5.1									32.0
	34.0	4.9	5.2	5.2	4.1	4.7	4.8	4.4	4.4									34.0
	36.0	4.3	4.6	4.6	3.4	4.1	4.2	3.8	3.8									36.0
	38.0	3.7	4.0	4.0	2.9	3.5	3.7	3.3	3.2									38.0
	40.0	3.3	3.6	3.6	2.5	3.1	3.2	2.8	2.8									40.0
	42.0	2.9	3.2	3.1	2.0	2.6	2.7	2.4	2.3									42.0
	44.0			2.8	1.7	2.3	2.4	2.0	1.9									44.0
	46.0			2.5	1.3	2.0	2.0	1.6	1.6									46.0
	48.0						1.7	1.3	1.3									48.0
	50.0						1.4	1.1	1.0									50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		3	3	2	3	3	2	2	2									

ブーム

HA		27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
3.0	91.7	87.7	88.4	88.8	89.2	58.7	85.1	86.3	86.9	63.1	42.5	39.4	74.9	76.4	65.5	44.3	3.0
3.5	84.2	80.9	81.7	82.1	82.5	55.7	79.0	79.9	80.5	60.0	39.7	36.7	74.6	75.6	62.9	41.3	3.5
4.0	77.5	75.2	75.9	76.3	76.7	52.9	73.2	74.1	74.8	57.3	37.4	34.5	71.9	73.1	60.4	38.7	4.0
4.5	71.7	70.1	70.9	71.3	71.7	50.3	68.3	69.2	69.8	54.8	35.2	32.5	67.2	68.2	58.0	36.3	4.5
5.0	66.6	65.7	66.5	66.9	67.3	47.8	63.9	64.8	65.5	52.6	33.5	30.7	62.9	63.9	55.8	34.2	5.0
6.0	58.3	57.6	58.2	58.6	59.0	43.7	56.7	57.6	58.3	48.5	30.3	27.9	55.8	56.8	52.0	30.7	6.0
7.0	51.6	50.9	51.5	51.9	52.3	40.4	50.9	51.7	52.4	44.6	27.5	25.3	50.0	51.1	48.7	28.1	7.0
8.0	45.1	44.4	45.0	45.6	46.1	37.6	44.4	45.4	46.2	41.1	25.1	23.0	44.8	46.0	45.5	25.6	8.0
9.0	39.1	38.6	39.6	40.1	40.6	35.3	38.6	39.9	40.7	38.1	23.2	21.2	39.0	40.5	41.5	23.4	9.0
10.0		32.1	33.1	33.9	34.5	33.1	32.1	33.5	34.7	35.4	21.6	19.7	32.7	34.3	35.7	21.6	10.0
12.0		23.4	24.3	25.0	25.6	26.2	23.3	24.6	25.7	26.8	19.1	17.4	23.8	25.4	26.7	18.8	12.0
14.0		17.8					17.7	18.9	19.9	20.9	17.0	15.4	18.2	19.6	20.8	16.7	14.0
16.0							13.9	15.1	16.0	16.9	15.5	13.9	14.3	15.6	16.7	14.9	16.0
18.0							11.2	11.8	12.6	13.2	13.5	12.9	11.5	12.8	13.9	13.5	18.0
20.0													9.4	10.7	11.7	12.1	20.0
22.0													7.8	9.1	10.1	10.4	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	12	12	12	12	12	8	11	11	11	8	6	5	10	10	9	6	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
3.0	44.2	40.6															3.0
3.5	41.7	38.3	58.6	57.3	45.7	42.7	42.6										3.5
4.0	39.2	36.2	58.2	56.6	44.2	40.3	41.1	33.3	29.9								4.0
4.5	36.9	34.3	57.9	55.9	41.9	38.1	39.1	31.4	28.3	44.8	44.5	40.4	37.5	34.4	31.2		4.5
5.0	34.9	32.6	57.3	55.2	39.6	36.2	37.2	29.7	26.7	44.5	43.4	39.0	36.9	33.1	30.0	25.8	5.0
6.0	31.4	29.7	55.3	53.7	35.4	32.8	33.7	26.6	24.0	43.9	40.2	36.1	34.8	30.3	27.6	24.5	6.0
7.0	28.7	27.3	49.6	50.6	32.0	30.0	30.8	24.1	21.7	43.3	37.0	33.3	32.2	27.6	25.2	22.6	7.0
8.0	26.1	25.0	44.3	46.0	29.1	27.6	28.3	22.1	19.9	42.3	34.0	30.7	29.9	25.3	23.2	20.8	8.0
9.0	23.8	22.8	38.1	40.2	26.8	25.7	26.3	20.4	18.3	37.4	31.2	28.4	27.9	23.2	21.5	19.2	9.0
10.0	21.9	21.0	33.1	35.2	24.7	23.8	24.4	18.9	17.0	32.7	28.9	26.4	26.1	21.5	20.0	17.9	10.0
12.0	19.0	18.1	24.6	26.2	21.0	20.5	21.1	16.2	14.6	25.5	24.9	23.0	23.1	18.6	17.6	15.8	12.0
14.0	16.8	16.0	18.9	20.3	18.3	18.1	18.7	14.2	12.8	19.6	20.1	20.1	20.4	16.1	15.5	13.9	14.0
16.0	15.0	14.3	14.9	16.3	16.3	16.0	16.9	12.8	11.4	15.7	16.1	16.5	17.0	14.2	13.9	12.4	16.0
18.0	13.5	12.9	12.1	13.5	13.9	14.2	14.4	11.6	10.3	12.8	13.2	13.6	14.1	12.7	12.7	11.2	18.0
20.0	12.3	11.7	10.0	11.3	11.7	12.0	12.2	10.5	9.4	10.7	11.1	11.4	11.9	11.5	11.6	10.3	20.0
22.0	10.7	10.8	8.3	9.6	10.0	10.3	10.5	9.6	8.5	9.0	9.4	9.7	10.1	10.2	10.6	9.5	22.0
24.0			6.9	8.3	8.6	8.9	9.1	8.9	7.9	7.6	8.0	8.3	8.7	8.8	9.3	8.7	24.0
26.0			5.8	7.2	7.6	7.8	8.0	8.3	7.3	6.4	6.8	7.2	7.6	7.7	8.2	8.1	26.0
28.0									6.9	5.5	5.9	6.2	6.7	6.8	7.2	7.3	28.0
30.0										4.7	5.1	5.4	5.9	6.0	6.4	6.5	30.0
32.0																5.8	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	6	5	8	8	6	6	6	5	4	6	6	5	5	5	4	4	

HA	27.1 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	36.0	34.6	31.6	33.4	29.6	28.2	26.1										6.0
7.0	35.7	34.1	31.0	31.6	27.7	26.4	24.4	20.6	28.0	26.7	25.1	25.8	23.1				7.0
8.0	34.3	32.8	29.8	29.5	25.9	24.5	22.6	20.0	27.8	26.4	24.1	24.8	22.1	18.3	22.1	21.0	8.0
9.0	32.6	31.2	28.6	27.5	24.1	22.8	21.0	19.2	27.4	25.9	23.1	23.7	20.9	18.0	22.0	20.9	9.0
10.0	30.7	29.5	27.1	25.6	22.4	21.3	19.5	18.0	26.3	24.7	21.9	22.5	19.7	17.6	21.8	20.6	10.0
12.0	24.3	24.6	24.3	22.2	19.7	18.9	16.9	15.8	23.3	22.5	19.8	20.1	17.5	16.0	20.7	19.4	12.0
14.0	19.2	19.5	20.3	19.5	17.4	16.9	14.9	14.0	18.9	19.5	18.0	17.8	15.6	14.4	18.6	17.8	14.0
16.0	15.3	15.5	16.3	16.3	15.4	15.2	13.1	12.4	15.2	15.7	16.4	15.9	14.0	13.0	15.4	16.0	16.0
18.0	12.4	12.7	13.4	13.4	13.8	13.8	11.7	11.1	12.4	12.8	13.7	13.6	12.5	11.8	12.5	13.1	18.0
20.0	10.3	10.5	11.2	11.2	11.7	12.0	10.5	9.9	10.2	10.7	11.5	11.4	11.3	10.6	10.4	11.0	20.0
22.0	8.6	8.8	9.5	9.5	9.9	10.3	9.6	9.0	8.5	9.0	9.8	9.7	10.3	9.7	8.7	9.3	22.0
24.0	7.1	7.4	8.2	8.1	8.6	8.9	8.8	8.3	7.1	7.5	8.4	8.3	8.9	8.9	7.2	7.9	24.0
26.0	6.0	6.2	7.0	6.9	7.4	7.8	8.0	7.6	5.9	6.4	7.3	7.2	7.7	7.9	6.1	6.7	26.0
28.0	5.0	5.3	6.0	5.9	6.4	6.8	7.1	7.0	4.9	5.4	6.3	6.2	6.8	6.9	5.1	5.7	28.0
30.0	4.2	4.4	5.2	5.1	5.6	6.0	6.3	6.4	4.1	4.5	5.4	5.3	5.9	6.1	4.2	4.8	30.0
32.0	3.5	3.7	4.4	4.4	4.9	5.3	5.6	5.6	3.4	3.8	4.7	4.6	5.2	5.3	3.5	4.1	32.0
34.0	2.9	3.2	3.9	3.8	4.3	4.7	5.0	5.0	2.8	3.2	4.0	4.0	4.6	4.7	2.9	3.5	34.0
36.0								4.5	2.2	2.7	3.5	3.4	4.0	4.1	2.4	2.9	36.0
38.0									1.8	2.2	3.0	3.0	3.6	3.6	1.9	2.5	38.0
40.0														3.2	1.5	2.0	40.0
42.0															1.1	1.7	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	5	5	4	5	4	4	4	3	4	4	4	4	3	3	3	3	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	20.1	19.9															8.0
9.0	19.7	19.7	15.1	17.8	17.2												9.0
10.0	19.2	19.0	15.0	17.7	17.1	12.9	14.5										10.0
12.0	17.6	17.4	14.8	17.6	16.8	12.8	14.5	10.5									12.0
14.0	16.1	15.8	14.2	16.8	15.9	12.7	14.4	10.5									14.0
16.0	14.6	14.4	13.2	15.3	14.8	12.4	13.9	10.5									16.0
18.0	13.3	13.1	12.1	12.9	13.5	12.0	13.1	10.5									18.0
20.0	11.5	11.8	11.1	10.7	11.3	11.3	11.1	10.4									20.0
22.0	9.8	10.1	10.1	9.0	9.6	9.7	9.4	9.2									22.0
24.0	8.4	8.7	8.7	7.6	8.2	8.3	8.0	7.9									24.0
26.0	7.2	7.5	7.5	6.4	7.0	7.2	6.8	6.7									26.0
28.0	6.2	6.5	6.6	5.4	6.0	6.2	5.8	5.7									28.0
30.0	5.4	5.7	5.7	4.6	5.2	5.3	4.9	4.9									30.0
32.0	4.7	5.0	5.0	3.8	4.4	4.6	4.2	4.2									32.0
34.0	4.0	4.3	4.3	3.2	3.8	3.9	3.5	3.5									34.0
36.0	3.5	3.8	3.8	2.6	3.3	3.4	3.0	3.0									36.0
38.0	3.0	3.3	3.3	2.2	2.8	2.9	2.5	2.5									38.0
40.0	2.6	2.9	2.9	1.7	2.3	2.5	2.1	2.0									40.0
42.0	2.2	2.5	2.5	1.4	2.0	2.1	1.7	1.6									42.0
44.0			2.1	1.0	1.6	1.7	1.3	1.3									44.0
46.0			1.8		1.4	1.4	1.0										46.0
48.0						1.1											48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	3	3	2	3	3	2	2	2									

ブーム

HA		10.7 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
3.0	90.6	87.7	88.4	88.8	89.2	58.7	85.1	86.3	86.9	63.1	42.5	39.4	74.9	76.4	65.5	44.3	3.0
3.5	82.9	80.9	81.7	82.1	82.5	55.7	79.0	79.9	80.5	60.0	39.7	36.7	74.6	75.6	62.9	41.3	3.5
4.0	76.2	75.2	75.9	76.3	76.7	52.9	73.2	74.1	74.8	57.3	37.4	34.5	71.9	73.1	60.4	38.7	4.0
4.5	70.5	69.9	70.4	70.8	71.2	50.3	68.3	69.2	69.8	54.8	35.2	32.5	67.2	68.2	58.0	36.3	4.5
5.0	65.6	64.9	65.4	65.9	66.2	47.8	63.9	64.8	65.5	52.6	33.5	30.7	59.4	62.3	55.8	34.2	5.0
6.0	54.8	52.7	54.6	55.3	55.8	43.7	48.2	50.8	52.7	48.5	30.3	27.9	45.2	48.0	50.0	30.7	6.0
7.0	42.9	40.4	42.1	43.3	44.3	40.4	37.5	39.7	41.4	42.7	27.5	25.3	35.7	38.1	39.9	28.1	7.0
8.0	32.4	30.9	32.1	33.1	34.0	34.8	30.2	32.2	33.7	35.0	25.1	23.0	29.0	31.3	33.0	25.6	8.0
9.0	25.5	24.1	25.2	26.1	26.9	27.6	24.1	25.7	27.1	28.3	23.2	21.2	24.0	26.3	27.9	23.4	9.0
10.0		19.4	20.5	21.3	22.0	22.7	19.4	20.9	22.1	23.3	21.6	19.7	20.0	21.8	23.2	21.6	10.0
12.0		13.4	14.3	15.1	15.7	16.3	13.4	14.7	15.8	16.8	17.3	17.4	13.9	15.4	16.7	17.2	12.0
14.0		9.7					9.6	10.9	11.9	12.8	13.2	13.4	10.1	11.5	12.7	13.2	14.0
16.0							6.9	8.2	9.2	10.1	10.5	10.7	7.4	8.9	10.0	10.4	16.0
18.0							5.1	6.4	7.4	8.2	8.6	8.7	5.4	6.9	8.0	8.5	18.0
20.0													4.0	5.4	6.5	7.0	20.0
22.0													2.9	4.3	5.4	5.8	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	12	12	12	12	12	8	11	11	11	8	6	5	10	10	9	6	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
3.0	44.2	40.6															3.0
3.5	41.7	38.3	58.6	57.3	45.7	42.7	42.6										3.5
4.0	39.2	36.2	58.2	56.6	44.2	40.3	41.1	33.3	29.9								4.0
4.5	36.9	34.3	57.9	55.9	41.9	38.1	39.1	31.4	28.3	44.8	44.5	40.4	37.5	34.4	31.2		4.5
5.0	34.9	32.6	55.8	55.2	39.6	36.2	37.2	29.7	26.7	44.5	43.4	39.0	36.9	33.1	30.0	25.8	5.0
6.0	31.4	29.7	43.0	45.8	35.4	32.8	33.7	26.6	24.0	41.3	40.2	36.1	34.8	30.3	27.6	24.5	6.0
7.0	28.7	27.3	34.4	36.9	32.0	30.0	30.8	24.1	21.7	33.5	34.3	33.3	32.2	27.6	25.2	22.6	7.0
8.0	26.1	25.0	28.3	30.6	29.1	27.6	28.3	22.1	19.9	27.9	28.6	29.1	29.9	25.3	23.2	20.8	8.0
9.0	23.8	22.8	23.7	26.0	26.5	25.7	26.3	20.4	18.3	23.6	24.4	24.8	25.5	23.2	21.5	19.2	9.0
10.0	21.9	21.0	20.1	22.4	22.9	23.3	23.7	18.9	17.0	20.2	21.0	21.5	22.1	21.5	20.0	17.9	10.0
12.0	17.6	17.8	14.7	16.3	16.8	17.1	17.4	16.2	14.6	15.3	15.9	16.4	17.0	17.1	17.6	15.8	12.0
14.0	13.5	13.7	10.8	12.3	12.8	13.1	13.4	13.7	12.8	11.6	12.0	12.4	12.9	13.1	13.6	13.8	14.0
16.0	10.7	10.9	8.1	9.6	10.0	10.3	10.6	10.9	11.1	8.9	9.3	9.7	10.2	10.3	10.8	11.0	16.0
18.0	8.7	8.9	6.1	7.6	8.1	8.4	8.6	8.9	9.1	6.9	7.3	7.7	8.2	8.3	8.8	8.9	18.0
20.0	7.3	7.4	4.6	6.1	6.5	6.9	7.1	7.4	7.6	5.4	5.8	6.2	6.7	6.8	7.3	7.4	20.0
22.0	6.1	6.2	3.4	4.9	5.3	5.6	5.9	6.2	6.4	4.1	4.6	5.0	5.5	5.6	6.1	6.2	22.0
24.0			2.5	3.9	4.3	4.7	4.9	5.2	5.4	3.2	3.6	4.0	4.5	4.6	5.1	5.2	24.0
26.0			1.8	3.2	3.6	3.9	4.2	4.5	4.6	2.4	2.8	3.2	3.7	3.8	4.3	4.4	26.0
28.0									3.9	1.8	2.2	2.5	3.0	3.1	3.6	3.7	28.0
30.0										1.3	1.7	2.0	2.5	2.6	3.1	3.1	30.0
32.0																2.7	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	6	5	8	8	6	6	6	5	4	6	6	5	5	5	4	4	

HA		10.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	36.0	34.6	31.6	33.4	29.6	28.2	26.1										6.0
7.0	31.1	31.4	31.0	31.6	27.7	26.4	24.4	20.6	28.0	26.7	25.1	25.8	23.1				7.0
8.0	26.0	26.2	27.3	27.3	25.9	24.5	22.6	20.0	24.5	25.1	24.1	24.8	22.1	18.3	22.1	21.0	8.0
9.0	22.0	22.3	23.3	23.3	24.1	22.8	21.0	19.2	20.8	21.4	22.7	22.7	20.9	18.0	20.1	20.9	9.0
10.0	18.8	19.1	20.2	20.2	20.9	21.3	19.5	18.0	17.8	18.5	19.8	19.7	19.7	17.6	17.3	18.2	10.0
12.0	14.1	14.4	15.5	15.5	16.2	16.8	16.9	15.8	13.4	14.1	15.3	15.2	16.1	15.9	13.2	14.0	12.0
14.0	10.9	11.2	12.2	12.2	12.7	13.1	13.5	13.6	10.4	11.0	12.2	12.1	12.9	12.8	10.2	11.0	14.0
16.0	8.5	8.8	9.5	9.5	10.0	10.4	10.7	10.9	8.1	8.7	9.8	9.7	10.4	10.5	8.1	8.8	16.0
18.0	6.4	6.7	7.6	7.5	8.0	8.4	8.7	8.9	6.4	6.9	7.9	7.8	8.4	8.5	6.4	7.1	18.0
20.0	4.9	5.2	6.0	5.9	6.5	6.9	7.2	7.3	4.8	5.3	6.3	6.2	6.9	7.0	5.0	5.7	20.0
22.0	3.7	4.0	4.8	4.7	5.2	5.6	6.0	6.1	3.6	4.1	5.1	5.0	5.6	5.8	3.8	4.5	22.0
24.0	2.8	3.0	3.8	3.7	4.3	4.6	5.0	5.1	2.7	3.2	4.1	4.0	4.6	4.8	2.9	3.5	24.0
26.0	2.0	2.2	3.0	2.9	3.4	3.8	4.1	4.3	1.9	2.4	3.3	3.2	3.8	3.9	2.1	2.7	26.0
28.0	1.3	1.6	2.3	2.3	2.8	3.1	3.5	3.6	1.2	1.7	2.6	2.5	3.1	3.3	1.4	2.0	28.0
30.0		1.0	1.8	1.7	2.2	2.6	2.9	3.0		1.1	2.0	1.9	2.5	2.7		1.4	30.0
32.0			1.3	1.2	1.7	2.1	2.4	2.5			1.5	1.4	2.0	2.2			32.0
34.0					1.3	1.7	2.0	2.1			1.1	1.0	1.6	1.7			34.0
36.0								1.7					1.3	1.4			36.0
38.0														1.0			38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	5	5	4	5	4	4	4	3	4	4	4	4	3	3	3	3	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	20.1	19.9															8.0
9.0	19.7	19.7	15.1	17.8	17.2												9.0
10.0	19.0	19.0	15.0	17.1	17.1	12.9	14.5										10.0
12.0	14.8	15.3	14.7	13.1	14.0	12.8	13.1	10.5									12.0
14.0	11.8	12.2	11.8	10.3	11.1	10.9	10.4	9.9									14.0
16.0	9.5	10.0	9.6	8.2	9.0	8.8	8.4	7.9									16.0
18.0	7.8	8.2	8.0	6.6	7.3	7.2	6.8	6.4									18.0
20.0	6.3	6.6	6.6	5.2	6.0	5.9	5.5	5.1									20.0
22.0	5.1	5.4	5.4	4.2	4.8	4.7	4.4	4.0									22.0
24.0	4.1	4.4	4.4	3.2	3.8	3.8	3.5	3.1									24.0
26.0	3.2	3.6	3.6	2.4	3.0	3.1	2.7	2.4									26.0
28.0	2.6	2.9	2.9	1.7	2.4	2.5	2.1	1.8									28.0
30.0	2.0	2.3	2.3	1.2	1.8	1.9	1.5	1.3									30.0
32.0	1.5	1.8	1.8		1.3	1.4	1.0										32.0
34.0	1.1	1.4	1.4														34.0
36.0			1.0														36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	3	3	2	3	3	2	2	2									

ブーム

HA		3.7 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
3.0	90.0	87.7	88.4	88.8	89.2	58.7	85.1	86.3	86.9	63.1	42.5	39.4	74.9	76.4	65.5	44.3	3.0
3.5	82.3	80.9	81.7	82.1	82.5	55.7	79.0	79.9	80.5	60.0	39.7	36.7	74.6	75.6	62.9	41.3	3.5
4.0	75.7	75.1	75.6	76.0	76.3	52.9	73.2	74.1	74.8	57.3	37.4	34.5	66.9	70.6	60.4	38.7	4.0
4.5	69.8	68.7	69.6	70.2	70.7	50.3	61.3	64.4	66.4	54.8	35.2	32.5	55.6	59.3	58.0	36.3	4.5
5.0	62.8	57.0	59.6	60.9	62.0	47.8	50.8	53.9	56.0	52.6	33.5	30.7	46.6	49.9	52.2	34.2	5.0
6.0	47.6	40.4	42.4	43.7	44.7	43.7	36.8	39.3	41.2	42.7	30.3	27.9	34.6	37.4	39.4	30.7	6.0
7.0	33.0	30.5	32.2	33.4	34.3	35.1	28.1	30.4	32.1	33.4	27.5	25.3	26.8	29.4	31.2	28.1	7.0
8.0	24.4	22.9	24.1	25.1	25.9	26.8	22.0	24.3	25.9	27.2	25.1	23.0	21.2	23.7	25.6	25.6	8.0
9.0	19.0	17.6	18.7	19.6	20.3	21.1	17.6	19.2	20.5	21.8	22.3	21.2	17.2	19.5	21.4	22.0	9.0
10.0		13.9	14.9	15.7	16.4	17.1	13.9	15.4	16.6	17.7	18.3	18.5	14.2	16.2	17.7	18.2	10.0
12.0		9.1	10.1	10.8	11.4	12.0	9.0	10.4	11.5	12.6	13.0	13.2	9.6	11.2	12.5	13.0	12.0
14.0		6.0					5.9	7.3	8.4	9.4	9.8	10.0	6.4	8.0	9.3	9.7	14.0
16.0							3.9	5.2	6.2	7.2	7.6	7.8	4.3	5.8	7.1	7.5	16.0
18.0							2.4	3.7	4.7	5.6	6.0	6.2	2.8	4.2	5.4	5.9	18.0
20.0													1.6	3.0	4.2	4.7	20.0
22.0														2.2	3.3	3.7	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	12	12	12	12	12	8	11	11	11	8	6	5	10	10	9	6	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
3.0	44.2	40.6															3.0
3.5	41.7	38.3	58.6	57.3	45.7	42.7	42.6										3.5
4.0	39.2	36.2	58.2	56.6	44.2	40.3	41.1	33.3	29.9								4.0
4.5	36.9	34.3	51.3	54.9	41.9	38.1	39.1	31.4	28.3	44.8	44.5	40.4	37.5	34.4	31.2		4.5
5.0	34.9	32.6	43.6	46.8	39.6	36.2	37.2	29.7	26.7	41.3	42.4	39.0	36.9	33.1	30.0	25.8	5.0
6.0	31.4	29.7	33.1	35.8	35.4	32.8	33.7	26.6	24.0	31.9	32.9	33.4	34.3	30.3	27.6	24.5	6.0
7.0	28.7	27.3	26.1	28.6	29.2	29.7	30.2	24.1	21.7	25.7	26.5	27.0	27.8	27.6	25.2	22.6	7.0
8.0	26.1	25.0	20.9	23.5	24.1	24.6	25.0	22.1	19.9	20.9	21.8	22.4	23.1	23.3	23.2	20.8	8.0
9.0	22.4	22.3	17.2	19.6	20.3	20.8	21.2	20.4	18.3	17.4	18.2	18.7	19.5	19.7	20.4	19.2	9.0
10.0	18.6	18.8	14.3	16.6	17.3	17.7	18.1	18.6	17.0	14.7	15.4	15.9	16.7	16.8	17.7	17.4	10.0
12.0	13.3	13.5	10.2	12.0	12.5	12.9	13.2	13.6	13.8	10.7	11.4	11.9	12.6	12.7	13.5	13.4	12.0
14.0	10.1	10.2	7.2	8.8	9.3	9.6	9.9	10.3	10.5	8.0	8.6	9.0	9.5	9.6	10.2	10.3	14.0
16.0	7.8	8.0	5.0	6.6	7.1	7.4	7.7	8.1	8.2	5.9	6.3	6.8	7.3	7.4	8.0	8.1	16.0
18.0	6.2	6.4	3.5	5.0	5.5	5.8	6.1	6.4	6.6	4.2	4.7	5.1	5.6	5.8	6.3	6.5	18.0
20.0	5.0	5.1	2.3	3.7	4.2	4.5	4.8	5.2	5.3	3.0	3.5	3.9	4.4	4.5	5.0	5.2	20.0
22.0	4.0	4.1	1.4	2.8	3.2	3.5	3.8	4.2	4.3	2.1	2.5	2.9	3.4	3.5	4.0	4.2	22.0
24.0				2.1	2.5	2.8	3.0	3.4	3.5	1.3	1.7	2.1	2.6	2.7	3.2	3.3	24.0
26.0				1.5	1.9	2.2	2.4	2.8	2.9		1.1	1.5	2.0	2.1	2.6	2.7	26.0
28.0									2.3				1.4	1.5	2.0	2.1	28.0
30.0													1.0	1.1	1.6	1.7	30.0
32.0																1.3	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	6	5	8	8	6	6	6	5	4	6	6	5	5	5	4	4	

HA		3.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	29.3	29.6	30.8	30.8	29.6	28.2	26.1										6.0
7.0	23.5	23.8	25.0	25.1	25.9	26.4	24.4	20.6	21.9	22.6	24.0	24.1	23.1				7.0
8.0	19.2	19.5	20.8	20.8	21.6	22.3	22.6	20.0	17.9	18.7	20.1	20.1	21.1	18.3	17.3	18.2	8.0
9.0	15.9	16.2	17.5	17.4	18.3	18.9	19.4	18.8	14.9	15.6	17.1	17.0	18.0	17.5	14.5	15.4	9.0
10.0	13.4	13.7	14.9	14.8	15.6	16.2	16.7	16.3	12.6	13.3	14.6	14.5	15.5	15.2	12.3	13.1	10.0
12.0	9.7	10.0	11.1	11.1	11.8	12.3	12.8	12.6	9.1	9.8	11.0	10.9	11.8	11.7	9.0	9.8	12.0
14.0	7.2	7.5	8.5	8.5	9.1	9.6	10.1	10.0	6.7	7.3	8.5	8.4	9.3	9.2	6.6	7.4	14.0
16.0	5.3	5.6	6.6	6.5	7.1	7.5	7.8	8.0	4.9	5.5	6.7	6.6	7.4	7.4	4.9	5.7	16.0
18.0	3.8	4.1	4.9	4.9	5.4	5.8	6.2	6.4	3.6	4.1	5.2	5.1	5.8	5.9	3.6	4.3	18.0
20.0	2.6	2.9	3.7	3.6	4.2	4.6	4.9	5.1	2.5	3.0	4.0	3.9	4.5	4.7	2.5	3.3	20.0
22.0	1.6	1.9	2.7	2.6	3.2	3.6	3.9	4.0	1.5	2.1	3.0	2.9	3.5	3.7	1.7	2.4	22.0
24.0		1.1	1.9	1.9	2.4	2.8	3.1	3.2		1.3	2.2	2.1	2.7	2.9		1.6	24.0
26.0			1.3	1.2	1.7	2.1	2.4	2.6			1.6	1.4	2.1	2.2			26.0
28.0					1.2	1.6	1.9	2.0			1.0		1.5	1.7			28.0
30.0						1.1	1.4	1.5					1.1	1.2			30.0
32.0							1.1	1.1									32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	19.1	19.7															8.0
9.0	16.3	16.8	15.1	14.3	15.2												9.0
10.0	14.0	14.5	13.8	12.2	13.1	12.6	12.2										10.0
12.0	10.6	11.1	10.6	9.0	9.9	9.6	9.2	8.6									12.0
14.0	8.2	8.6	8.3	6.8	7.6	7.5	7.0	6.5									14.0
16.0	6.4	6.8	6.6	5.1	5.9	5.8	5.4	4.9									16.0
18.0	5.0	5.4	5.2	3.8	4.6	4.4	4.0	3.6									18.0
20.0	3.9	4.3	4.0	2.8	3.5	3.3	3.0	2.5									20.0
22.0	3.0	3.3	3.1	1.9	2.6	2.5	2.1	1.7									22.0
24.0	2.2	2.5	2.4	1.2	1.8	1.8	1.4	1.1									24.0
26.0	1.5	1.9	1.8		1.3	1.2											26.0
28.0		1.3	1.3														28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	3	3	2	2	2	2	2	2									

ブーム

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
3.0																	3.0
3.5	75.9	75.2	75.8	76.2	76.6	55.7	75.2	76.0	76.7	60.0	39.7	36.7	74.6	75.6	62.9	41.3	3.5
4.0	69.1	68.4	69.0	69.5	69.8	52.9	68.4	69.2	69.9	57.3	37.4	34.5	68.8	69.7	60.4	38.7	4.0
4.5	63.4	62.7	63.2	63.7	64.1	50.3	62.7	63.5	64.2	54.8	35.2	32.5	60.8	64.0	58.0	36.3	4.5
5.0	58.4	57.6	58.3	58.7	59.1	47.8	57.6	58.5	59.2	52.6	33.5	30.7	53.7	56.6	55.8	34.2	5.0
6.0	48.5	47.2	48.3	49.2	49.9	43.7	46.1	48.5	50.1	48.5	30.3	27.9	43.2	45.8	47.6	30.7	6.0
7.0	37.0	35.8	36.8	37.5	38.2	38.9	35.8	37.2	38.4	39.5	27.5	25.3	35.8	38.0	39.4	28.1	7.0
8.0	29.6	28.5	29.3	30.1	30.6	31.2	28.5	29.7	30.8	31.8	25.1	23.0	29.0	30.5	31.7	25.6	8.0
9.0	24.4	23.3	24.2	24.8	25.4	25.9	23.3	24.5	25.5	26.4	23.2	21.2	23.8	25.2	26.4	23.4	9.0
10.0		19.6	20.3	21.0	21.5	22.0	19.5	20.7	21.6	22.5	21.6	19.7	20.0	21.3	22.4	21.6	10.0
12.0		14.4	15.1	15.7	16.1	16.6	14.3	15.4	16.2	17.0	17.4	17.4	14.7	15.9	16.9	17.4	12.0
14.0		11.0					10.9	11.9	12.7	13.5	13.8	14.0	11.3	12.4	13.4	13.8	14.0
16.0							8.6	9.5	10.3	11.0	11.3	11.4	8.9	10.0	10.9	11.2	16.0
18.0							6.8	7.8	8.5	9.2	9.5	9.6	7.1	8.1	9.0	9.4	18.0
20.0													5.7	6.7	7.6	7.9	20.0
22.0													4.7	5.7	6.5	6.8	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	11	11	11	11	11	8	11	11	11	8	6	5	10	10	9	6	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
3.0																	3.0
3.5	41.7	38.3	58.6	57.3	45.7	42.7	42.6										3.5
4.0	39.2	36.2	58.2	56.6	44.2	40.3	41.1	33.3	29.9								4.0
4.5	36.9	34.3	56.5	55.9	41.9	38.1	39.1	31.4	28.3	44.8	44.5	40.4	37.5	34.4	31.2		4.5
5.0	34.9	32.6	50.4	53.3	39.6	36.2	37.2	29.7	26.7	44.5	43.4	39.0	36.9	33.1	30.0	25.8	5.0
6.0	31.4	29.7	41.1	43.7	35.4	32.8	33.7	26.6	24.0	39.5	40.2	36.1	34.8	30.3	27.6	24.5	6.0
7.0	28.7	27.3	34.4	36.7	32.0	30.0	30.8	24.1	21.7	33.4	34.2	33.3	32.2	27.6	25.2	22.6	7.0
8.0	26.1	25.0	29.3	31.3	29.1	27.6	28.3	22.1	19.9	28.7	29.5	30.0	29.9	25.3	23.2	20.8	8.0
9.0	23.8	22.8	24.5	26.0	26.4	25.7	26.3	20.4	18.3	25.1	25.7	26.1	26.6	23.2	21.5	19.2	9.0
10.0	21.9	21.0	20.7	22.0	22.5	22.8	23.0	18.9	17.0	21.4	21.8	22.2	22.6	21.5	20.0	17.9	10.0
12.0	17.6	17.8	15.3	16.6	17.0	17.3	17.5	16.2	14.6	16.0	16.4	16.7	17.2	17.3	17.6	15.8	12.0
14.0	14.0	14.2	11.9	13.0	13.4	13.7	13.9	14.2	12.8	12.5	12.8	13.2	13.6	13.7	14.1	13.9	14.0
16.0	11.5	11.6	9.4	10.5	10.9	11.2	11.4	11.6	11.4	10.0	10.3	10.6	11.0	11.1	11.6	11.7	16.0
18.0	9.6	9.7	7.6	8.7	9.0	9.3	9.5	9.7	9.9	8.2	8.5	8.8	9.2	9.2	9.7	9.8	18.0
20.0	8.2	8.3	6.2	7.2	7.6	7.8	8.0	8.3	8.4	6.7	7.0	7.3	7.7	7.8	8.2	8.3	20.0
22.0	7.0	7.1	5.1	6.1	6.4	6.7	6.9	7.1	7.2	5.6	5.9	6.2	6.6	6.6	7.0	7.1	22.0
24.0			4.2	5.2	5.5	5.8	5.9	6.2	6.3	4.7	5.0	5.3	5.6	5.7	6.1	6.2	24.0
26.0			3.5	4.5	4.8	5.0	5.2	5.4	5.5	3.9	4.2	4.5	4.9	4.9	5.3	5.4	26.0
28.0									4.9	3.3	3.6	3.9	4.2	4.3	4.7	4.7	28.0
30.0										2.8	3.1	3.4	3.7	3.8	4.1	4.2	30.0
32.0																3.7	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	6	5	8	8	6	6	6	5	4	6	6	5	5	5	4	4	

HA		31.6 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	36.0	34.6	31.6	33.4	29.6	28.2	26.1										6.0
7.0	31.1	31.3	31.0	31.6	27.7	26.4	24.4	20.6	28.0	26.7	25.1	25.8	23.1				7.0
8.0	26.8	27.0	28.1	28.2	25.9	24.5	22.6	20.0	25.3	25.8	24.1	24.8	22.1	18.3	22.1	21.0	8.0
9.0	23.4	23.6	24.7	24.7	24.1	22.8	21.0	19.2	22.1	22.7	23.1	23.7	20.9	18.0	21.4	20.9	9.0
10.0	20.6	20.9	21.9	21.9	22.4	21.3	19.5	18.0	19.6	20.1	21.3	21.2	19.7	17.6	18.9	19.7	10.0
12.0	15.6	15.9	16.6	16.5	17.0	17.3	16.9	15.8	15.6	16.0	16.9	16.8	17.3	16.0	15.2	15.9	12.0
14.0	12.1	12.4	13.0	13.0	13.4	13.7	14.0	14.0	12.1	12.5	13.3	13.2	13.7	13.9	12.2	12.8	14.0
16.0	9.7	9.9	10.5	10.5	10.9	11.2	11.5	11.6	9.6	10.0	10.8	10.7	11.2	11.3	9.8	10.3	16.0
18.0	7.8	8.0	8.6	8.6	9.0	9.3	9.6	9.7	7.8	8.2	8.9	8.8	9.3	9.4	7.9	8.4	18.0
20.0	6.4	6.6	7.2	7.2	7.6	7.8	8.1	8.2	6.3	6.7	7.4	7.3	7.8	8.0	6.5	7.0	20.0
22.0	5.3	5.5	6.1	6.0	6.4	6.7	6.9	7.0	5.2	5.6	6.3	6.2	6.7	6.8	5.4	5.8	22.0
24.0	4.4	4.6	5.1	5.1	5.5	5.7	6.0	6.1	4.3	4.7	5.3	5.3	5.7	5.8	4.4	4.9	24.0
26.0	3.6	3.8	4.4	4.3	4.7	5.0	5.2	5.3	3.5	3.9	4.6	4.5	4.9	5.1	3.7	4.1	26.0
28.0	3.0	3.2	3.7	3.7	4.0	4.3	4.6	4.6	2.9	3.3	3.9	3.8	4.3	4.4	3.0	3.5	28.0
30.0	2.4	2.6	3.2	3.1	3.5	3.8	4.0	4.1	2.3	2.7	3.3	3.3	3.7	3.8	2.4	2.9	30.0
32.0	1.8	2.1	2.7	2.7	3.0	3.3	3.5	3.6	1.7	2.1	2.9	2.8	3.3	3.3	1.8	2.4	32.0
34.0	1.4	1.6	2.3	2.2	2.6	2.9	3.1	3.2	1.2	1.7	2.5	2.4	2.8	2.9	1.4	1.9	34.0
36.0								2.8		1.2	2.0	2.0	2.5	2.6		1.5	36.0
38.0											1.7	1.6	2.2	2.2		1.1	38.0
40.0														1.9			40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	5	5	4	5	4	4	4	3	4	4	4	4	3	3	3	3	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	20.1	19.9															8.0
9.0	19.7	19.7	15.1	17.8	17.2												9.0
10.0	19.2	19.0	15.0	17.7	17.1	12.9	14.5										10.0
12.0	16.6	17.0	14.8	15.0	15.7	12.8	14.5	10.5									12.0
14.0	13.3	13.5	13.6	12.3	13.0	12.7	12.3	10.5									14.0
16.0	10.8	11.0	11.0	10.1	10.6	10.7	10.3	9.8									16.0
18.0	8.9	9.1	9.1	8.2	8.7	8.8	8.5	8.2									18.0
20.0	7.4	7.7	7.7	6.8	7.3	7.4	7.1	7.0									20.0
22.0	6.3	6.5	6.5	5.6	6.1	6.2	5.9	5.9									22.0
24.0	5.3	5.6	5.6	4.7	5.2	5.3	5.0	5.0									24.0
26.0	4.5	4.8	4.8	3.9	4.4	4.5	4.2	4.2									26.0
28.0	3.9	4.1	4.1	3.3	3.7	3.8	3.5	3.5									28.0
30.0	3.3	3.6	3.6	2.7	3.2	3.3	3.0	3.0									30.0
32.0	2.9	3.1	3.1	2.2	2.7	2.8	2.5	2.5									32.0
34.0	2.4	2.7	2.7	1.7	2.2	2.4	2.0	2.0									34.0
36.0	2.0	2.3	2.3	1.2	1.8	1.9	1.5	1.5									36.0
38.0	1.6	1.9	1.9		1.4	1.5	1.2	1.1									38.0
40.0	1.3	1.6	1.6		1.1	1.2											40.0
42.0	1.0	1.3	1.3														42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	3	3	2	3	3	2	2	2									

ブーム

HA		27.1 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
3.0	83.1	82.4	82.9	83.4	83.7	58.7	82.3	83.2	83.8	63.1	42.5	39.4	74.9	76.4	65.5	44.3	3.0
3.5	75.0	74.3	74.9	75.3	75.7	55.7	74.3	75.1	75.8	60.0	39.7	36.7	73.1	75.6	62.9	41.3	3.5
4.0	68.3	67.6	68.2	68.6	69.0	52.9	67.6	68.4	69.1	57.3	37.4	34.5	62.5	66.0	60.4	38.7	4.0
4.5	62.6	61.8	62.5	62.9	63.3	50.3	59.6	62.6	63.4	54.8	35.2	32.5	54.4	57.5	58.0	36.3	4.5
5.0	57.6	56.9	57.5	58.0	58.4	47.8	52.0	54.7	56.5	52.6	33.5	30.7	48.0	50.9	52.9	34.2	5.0
6.0	43.6	42.2	43.3	44.2	45.0	43.7	41.0	43.3	45.0	46.4	30.3	27.9	38.4	41.0	42.8	30.7	6.0
7.0	33.1	31.9	32.9	33.7	34.3	35.0	31.9	33.3	34.5	35.6	27.5	25.3	31.7	34.0	35.5	28.1	7.0
8.0	26.4	25.3	26.1	26.9	27.5	28.1	25.3	26.5	27.6	28.6	25.1	23.0	25.8	27.3	28.5	25.6	8.0
9.0	21.7	20.6	21.4	22.1	22.7	23.2	20.6	21.8	22.8	23.7	23.2	21.2	21.1	22.5	23.6	23.4	9.0
10.0		17.2	18.0	18.6	19.1	19.6	17.2	18.3	19.2	20.1	20.5	19.7	17.6	18.9	20.0	20.5	10.0
12.0		12.5	13.2	13.8	14.3	14.7	12.5	13.5	14.3	15.2	15.5	15.7	12.9	14.1	15.1	15.5	12.0
14.0		9.5					9.4	10.4	11.2	11.9	12.3	12.4	9.7	10.9	11.8	12.2	14.0
16.0							7.2	8.2	8.9	9.6	10.0	10.1	7.6	8.6	9.5	9.9	16.0
18.0							5.7	6.6	7.4	8.0	8.3	8.4	5.9	7.0	7.9	8.2	18.0
20.0													4.7	5.7	6.6	6.9	20.0
22.0													3.8	4.8	5.6	5.9	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	11	11	11	11	11	8	11	11	11	8	6	5	10	10	9	6	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
3.0	44.2	40.6															3.0
3.5	41.7	38.3	58.6	57.3	45.7	42.7	42.6										3.5
4.0	39.2	36.2	57.5	56.6	44.2	40.3	41.1	33.3	29.9								4.0
4.5	36.9	34.3	50.6	53.7	41.9	38.1	39.1	31.4	28.3	44.8	44.5	40.4	37.5	34.4	31.2		4.5
5.0	34.9	32.6	45.1	47.9	39.6	36.2	37.2	29.7	26.7	42.8	43.4	39.0	36.9	33.1	30.0	25.8	5.0
6.0	31.4	29.7	36.6	39.2	35.4	32.8	33.7	26.6	24.0	35.3	36.2	36.1	34.8	30.3	27.6	24.5	6.0
7.0	28.7	27.3	30.5	32.9	32.0	30.0	30.8	24.1	21.7	29.7	30.5	31.1	31.8	27.6	25.2	22.6	7.0
8.0	26.1	25.0	26.0	28.1	28.6	27.6	28.3	22.1	19.9	25.5	26.2	26.8	27.5	25.3	23.2	20.8	8.0
9.0	23.8	22.8	21.8	23.3	23.7	24.0	24.3	20.4	18.3	22.2	22.8	23.4	23.9	23.2	21.5	19.2	9.0
10.0	20.8	20.9	18.3	19.7	20.1	20.4	20.7	18.9	17.0	19.0	19.4	19.8	20.3	20.4	20.0	17.9	10.0
12.0	15.8	15.9	13.5	14.7	15.1	15.4	15.6	16.0	14.6	14.1	14.5	14.9	15.3	15.4	15.9	15.8	12.0
14.0	12.5	12.6	10.3	11.5	11.9	12.1	12.4	12.7	12.8	10.9	11.3	11.6	12.0	12.1	12.6	12.7	14.0
16.0	10.2	10.3	8.1	9.2	9.6	9.8	10.0	10.3	10.5	8.7	9.0	9.3	9.7	9.8	10.2	10.3	16.0
18.0	8.4	8.6	6.4	7.5	7.9	8.1	8.3	8.6	8.7	7.0	7.3	7.6	8.0	8.1	8.5	8.6	18.0
20.0	7.1	7.2	5.2	6.2	6.6	6.8	7.0	7.3	7.4	5.7	6.0	6.3	6.7	6.8	7.2	7.3	20.0
22.0	6.1	6.2	4.2	5.2	5.5	5.8	6.0	6.2	6.3	4.7	5.0	5.3	5.6	5.7	6.1	6.2	22.0
24.0			3.4	4.4	4.7	4.9	5.1	5.4	5.5	3.9	4.2	4.4	4.8	4.9	5.3	5.3	24.0
26.0			2.7	3.8	4.0	4.3	4.5	4.7	4.8	3.2	3.5	3.7	4.1	4.2	4.5	4.6	26.0
28.0									4.2	2.6	2.9	3.2	3.5	3.6	4.0	4.0	28.0
30.0										2.1	2.5	2.7	3.0	3.1	3.5	3.5	30.0
32.0																3.1	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	6	5	8	8	6	6	6	5	4	6	6	5	5	5	4	4	

HA		27.1 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	32.6	32.8	31.6	33.4	29.6	28.2	26.1										6.0
7.0	27.6	27.8	28.9	29.0	27.7	26.4	24.4	20.6	25.9	26.4	25.1	25.8	23.1				7.0
8.0	23.7	23.9	25.0	25.1	25.8	24.5	22.6	20.0	22.3	22.9	24.1	24.1	22.1	18.3	21.4	21.0	8.0
9.0	20.6	20.8	21.9	21.9	22.6	22.8	21.0	19.2	19.5	20.0	21.2	21.2	20.9	18.0	18.8	19.5	9.0
10.0	18.1	18.3	19.3	19.4	20.0	20.5	19.5	18.0	17.1	17.7	18.9	18.8	19.6	17.6	16.6	17.3	10.0
12.0	13.8	14.0	14.7	14.7	15.1	15.5	15.8	15.8	13.5	14.0	15.0	14.9	15.5	15.6	13.1	13.9	12.0
14.0	10.6	10.8	11.5	11.4	11.9	12.2	12.5	12.6	10.5	10.9	11.7	11.6	12.2	12.3	10.6	11.2	14.0
16.0	8.3	8.6	9.2	9.1	9.6	9.9	10.2	10.3	8.3	8.7	9.4	9.3	9.9	10.0	8.4	9.0	16.0
18.0	6.7	6.9	7.5	7.4	7.9	8.1	8.4	8.5	6.6	7.0	7.7	7.6	8.1	8.3	6.8	7.3	18.0
20.0	5.4	5.6	6.2	6.1	6.5	6.8	7.1	7.2	5.3	5.7	6.4	6.3	6.8	6.9	5.5	6.0	20.0
22.0	4.4	4.6	5.1	5.1	5.5	5.8	6.0	6.1	4.3	4.7	5.4	5.3	5.8	5.9	4.4	4.9	22.0
24.0	3.5	3.7	4.3	4.2	4.6	4.9	5.2	5.3	3.5	3.8	4.5	4.4	4.9	5.0	3.6	4.1	24.0
26.0	2.8	3.0	3.6	3.5	3.9	4.2	4.5	4.5	2.8	3.1	3.8	3.7	4.2	4.3	2.9	3.4	26.0
28.0	2.2	2.4	3.0	3.0	3.3	3.6	3.9	3.9	2.1	2.5	3.2	3.1	3.6	3.7	2.2	2.8	28.0
30.0	1.6	1.8	2.5	2.5	2.8	3.1	3.3	3.4	1.5	1.9	2.7	2.6	3.1	3.2	1.6	2.2	30.0
32.0	1.1	1.3	2.0	2.0	2.4	2.7	2.9	3.0		1.4	2.2	2.2	2.6	2.7	1.1	1.7	32.0
34.0			1.6	1.6	2.0	2.4	2.6	2.6			1.8	1.7	2.3	2.4		1.2	34.0
36.0								2.3			1.4	1.3	1.9	2.0			36.0
38.0											1.1	1.0	1.6	1.7			38.0
40.0														1.4			40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	4	4	4	5	4	4	4	3	4	4	4	4	3	3	3	3	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	20.1	19.9															8.0
9.0	19.7	19.7	15.1	17.8	17.2												9.0
10.0	18.1	18.5	15.0	16.3	17.0	12.9	14.5										10.0
12.0	14.6	15.0	14.4	13.0	13.8	12.8	13.0	10.5									12.0
14.0	11.7	12.0	11.9	10.6	11.3	11.0	10.6	10.0									14.0
16.0	9.4	9.7	9.7	8.7	9.3	9.2	8.8	8.3									16.0
18.0	7.7	8.0	8.0	7.0	7.6	7.7	7.3	6.9									18.0
20.0	6.4	6.6	6.7	5.7	6.2	6.4	6.0	5.8									20.0
22.0	5.4	5.6	5.6	4.7	5.2	5.3	5.0	4.8									22.0
24.0	4.5	4.7	4.7	3.9	4.3	4.5	4.1	4.0									24.0
26.0	3.8	4.0	4.0	3.2	3.6	3.7	3.4	3.3									26.0
28.0	3.2	3.4	3.4	2.5	3.0	3.1	2.8	2.7									28.0
30.0	2.7	2.9	2.9	1.9	2.5	2.6	2.3	2.2									30.0
32.0	2.2	2.5	2.5	1.4	2.0	2.2	1.8	1.7									32.0
34.0	1.8	2.1	2.1		1.6	1.7	1.3	1.3									34.0
36.0	1.4	1.7	1.7		1.2	1.3											36.0
38.0	1.0	1.3	1.3														38.0
40.0		1.0															40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	3	3	2	3	3	2	2	2									

ブーム

HA		10.7 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
3.0	79.3	74.7	78.6	79.6	80.0	58.7	61.8	66.0	68.6	63.1	42.5	39.4	53.6	57.8	60.5	44.3	3.0
3.5	71.6	58.7	61.8	63.5	64.9	55.7	50.0	53.5	55.8	57.9	39.7	36.7	44.4	48.0	50.5	41.3	3.5
4.0	59.6	47.9	50.5	52.0	53.3	52.9	41.6	44.6	46.7	48.7	37.4	34.5	37.5	40.7	43.1	38.7	4.0
4.5	48.5	40.1	42.3	43.7	44.9	46.0	35.3	38.0	40.0	41.8	35.2	32.5	32.3	35.2	37.4	36.3	4.5
5.0	38.4	34.2	36.2	37.5	38.6	39.7	30.4	32.9	34.7	36.4	33.5	30.7	28.1	30.8	32.9	33.7	5.0
6.0	26.5	25.1	26.2	27.1	27.9	28.6	23.3	25.5	27.2	28.7	29.4	27.9	22.0	24.4	26.2	27.0	6.0
7.0	19.7	18.5	19.5	20.2	20.9	21.6	18.5	19.9	21.1	22.2	22.7	22.9	17.6	19.8	21.6	22.3	7.0
8.0	15.3	14.2	15.1	15.8	16.4	17.0	14.2	15.5	16.6	17.6	18.0	18.2	14.4	16.2	17.5	18.0	8.0
9.0	12.3	11.2	12.1	12.7	13.3	13.8	11.2	12.4	13.4	14.3	14.8	15.0	11.7	13.1	14.3	14.7	9.0
10.0		9.0	9.8	10.4	11.0	11.5	9.0	10.1	11.1	12.0	12.4	12.6	9.5	10.8	11.9	12.3	10.0
12.0		6.0	6.8	7.3	7.8	8.3	6.0	7.0	7.9	8.7	9.1	9.2	6.4	7.6	8.6	9.0	12.0
14.0		4.1					4.0	5.0	5.8	6.6	6.9	7.1	4.4	5.5	6.5	6.9	14.0
16.0							2.5	3.6	4.4	5.1	5.4	5.5	2.9	4.1	5.0	5.3	16.0
18.0							1.4	2.6	3.4	4.0	4.3	4.4	1.7	3.0	3.9	4.2	18.0
20.0														2.1	3.0	3.4	20.0
22.0														1.4	2.4	2.7	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	10	10	10	10	11	8	8	9	9	8	6	5	7	8	8	6	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
3.0	44.2	40.6															3.0
3.5	41.7	38.3	40.5	43.9	44.8	42.7	42.6										3.5
4.0	39.2	36.2	34.8	37.9	38.7	39.4	39.9	33.3	29.9								4.0
4.5	36.9	34.3	30.3	33.2	34.0	34.6	35.0	31.4	28.3	28.8	29.8	30.5	31.4	31.5	31.2		4.5
5.0	34.3	32.6	26.7	29.4	30.1	30.7	31.1	29.7	26.7	25.6	26.5	27.2	28.0	28.2	29.1	25.8	5.0
6.0	27.5	27.3	21.2	23.6	24.3	24.8	25.3	25.8	24.0	20.7	21.5	22.1	22.9	23.0	23.9	23.3	6.0
7.0	22.8	22.6	17.2	19.5	20.2	20.6	21.0	21.6	21.1	17.1	17.8	18.4	19.1	19.3	20.1	19.6	7.0
8.0	18.3	18.5	14.2	16.4	17.0	17.5	17.8	18.3	18.0	14.3	15.0	15.5	16.2	16.4	17.2	16.8	8.0
9.0	15.0	15.2	11.9	13.9	14.3	14.6	14.9	15.3	15.5	12.1	12.8	13.3	14.0	14.1	14.8	14.6	9.0
10.0	12.6	12.8	10.0	11.5	11.9	12.2	12.5	12.8	13.0	10.4	11.0	11.5	12.1	12.2	12.8	12.8	10.0
12.0	9.3	9.4	7.0	8.3	8.7	8.9	9.2	9.5	9.7	7.7	8.1	8.4	8.8	8.9	9.4	9.5	12.0
14.0	7.1	7.3	4.9	6.1	6.5	6.8	7.0	7.3	7.5	5.6	5.9	6.3	6.7	6.8	7.2	7.3	14.0
16.0	5.6	5.7	3.5	4.6	5.0	5.3	5.5	5.8	5.9	4.1	4.4	4.8	5.2	5.2	5.7	5.8	16.0
18.0	4.5	4.6	2.3	3.5	3.9	4.1	4.3	4.6	4.7	3.0	3.3	3.6	4.0	4.1	4.5	4.6	18.0
20.0	3.6	3.7	1.3	2.7	3.0	3.3	3.5	3.7	3.9	2.1	2.5	2.8	3.2	3.2	3.6	3.7	20.0
22.0	2.9	3.0		1.9	2.4	2.6	2.8	3.0	3.2	1.3	1.7	2.0	2.5	2.5	2.9	3.0	22.0
24.0				1.3	1.7	2.0	2.2	2.5	2.6		1.0	1.4	1.8	1.9	2.4	2.5	24.0
26.0					1.2	1.5	1.8	2.0	2.1				1.3	1.4	1.9	2.0	26.0
28.0									1.7						1.4	1.5	28.0
30.0															1.1	1.1	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	6	5	5	6	6	6	6	5	4	4	4	4	4	4	4	4	

HA		10.7 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	18.7	19.0	20.2	20.2	21.0	21.6	22.2										6.0
7.0	15.5	15.7	16.9	16.9	17.7	18.2	18.7	18.0	14.3	14.9	16.3	16.2	17.1				7.0
8.0	12.9	13.2	14.3	14.3	15.0	15.6	16.0	15.5	12.0	12.6	13.9	13.8	14.7	14.3	11.5	12.3	8.0
9.0	10.9	11.2	12.2	12.2	12.9	13.5	13.9	13.5	10.1	10.7	12.0	11.9	12.7	12.4	9.8	10.6	9.0
10.0	9.3	9.6	10.6	10.6	11.2	11.7	12.2	11.9	8.6	9.2	10.4	10.3	11.1	10.9	8.3	9.1	10.0
12.0	6.8	7.0	8.0	8.0	8.6	9.0	9.3	9.3	6.2	6.8	8.0	7.9	8.7	8.5	6.1	6.9	12.0
14.0	4.9	5.2	6.1	6.1	6.5	6.8	7.1	7.3	4.5	5.1	6.2	6.1	6.8	6.8	4.5	5.2	14.0
16.0	3.5	3.8	4.6	4.6	5.0	5.3	5.6	5.7	3.2	3.7	4.8	4.7	5.3	5.4	3.2	3.9	16.0
18.0	2.4	2.7	3.5	3.5	3.9	4.2	4.4	4.5	2.1	2.7	3.7	3.6	4.2	4.3	2.2	2.9	18.0
20.0	1.6	1.8	2.6	2.6	3.0	3.3	3.6	3.7	1.3	1.8	2.8	2.7	3.3	3.4	1.3	2.0	20.0
22.0		1.1	1.9	1.8	2.3	2.6	2.8	2.9		1.1	2.1	2.0	2.6	2.7		1.3	22.0
24.0			1.2	1.1	1.6	2.0	2.3	2.4			1.5	1.4	2.0	2.1			24.0
26.0					1.1	1.4	1.8	1.9					1.4	1.6			26.0
28.0							1.3	1.4						1.1			28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	3	3	3	3	3	3	3	3	2	2	2	2	3	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	13.1	13.6															8.0
9.0	11.3	11.8	11.1	9.7	10.5												9.0
10.0	9.9	10.3	9.8	8.3	9.1	8.8	8.3										10.0
12.0	7.6	8.0	7.6	6.2	6.9	6.7	6.3	5.8									12.0
14.0	5.9	6.3	6.0	4.6	5.3	5.2	4.8	4.4									14.0
16.0	4.6	4.9	4.7	3.4	4.1	4.0	3.6	3.2									16.0
18.0	3.5	3.9	3.7	2.4	3.1	3.0	2.6	2.3									18.0
20.0	2.7	3.0	2.9	1.6	2.3	2.3	1.8	1.6									20.0
22.0	2.0	2.3	2.2		1.6	1.6	1.2										22.0
24.0	1.4	1.7	1.6		1.0	1.0											24.0
26.0		1.2	1.1														26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

ブーム

HA		3.7 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
3.0	74.9	55.0	58.6	60.6	62.3	58.7	45.2	49.2	51.8	54.2	42.5	39.4	39.3	43.2	46.0	44.3	3.0
3.5	56.3	42.8	45.7	47.4	48.8	50.2	36.2	39.5	41.8	43.9	39.7	36.7	32.2	35.6	38.1	39.1	3.5
4.0	44.5	34.6	37.0	38.5	39.8	41.0	29.8	32.7	34.8	36.7	37.4	34.5	26.9	30.0	32.3	33.2	4.0
4.5	36.1	28.6	30.7	32.1	33.3	34.4	24.9	27.6	29.5	31.3	32.2	31.7	22.9	25.7	27.9	28.8	4.5
5.0	28.4	24.1	26.0	27.3	28.4	29.5	21.2	23.7	25.5	27.2	28.0	27.7	19.7	22.3	24.4	25.2	5.0
6.0	19.2	17.8	18.9	19.8	20.6	21.3	15.8	18.0	19.6	21.2	21.9	21.8	14.9	17.3	19.2	20.0	6.0
7.0	14.0	12.8	13.8	14.5	15.2	15.8	12.1	14.1	15.4	16.5	17.0	17.2	11.6	13.8	15.5	16.3	7.0
8.0	10.6	9.5	10.4	11.1	11.7	12.3	9.4	10.8	11.9	12.9	13.3	13.5	9.1	11.2	12.8	13.3	8.0
9.0	8.3	7.3	8.1	8.7	9.3	9.8	7.2	8.4	9.4	10.3	10.8	11.0	7.2	9.1	10.3	10.7	9.0
10.0		5.6	6.3	7.0	7.5	8.0	5.6	6.7	7.6	8.5	8.9	9.1	5.7	7.3	8.4	8.9	10.0
12.0		3.3	4.0	4.6	5.1	5.5	3.2	4.3	5.1	5.9	6.3	6.5	3.4	4.8	5.9	6.3	12.0
14.0		1.5					1.4	2.7	3.5	4.3	4.6	4.8	1.8	3.2	4.2	4.6	14.0
16.0								1.4	2.4	3.1	3.5	3.6		2.0	3.0	3.4	16.0
18.0									1.5	2.3	2.6	2.7		1.0	2.1	2.5	18.0
20.0															1.4	1.8	20.0
22.0																1.2	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	10	7	8	8	8	8	6	7	7	7	6	5	5	6	6	6	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
3.0	44.2	40.6															3.0
3.5	39.8	38.3	29.5	32.8	33.7	34.4	34.9										3.5
4.0	33.9	33.3	25.1	28.1	29.0	29.6	30.1	30.8	29.5								4.0
4.5	29.3	29.0	21.6	24.4	25.3	25.8	26.3	26.9	26.0	20.8	21.7	22.4	23.3	23.5	24.4		4.5
5.0	25.8	25.5	18.8	21.5	22.3	22.8	23.3	23.9	23.1	18.3	19.2	19.8	20.7	20.8	21.7	21.1	5.0
6.0	20.5	20.3	14.6	17.0	17.7	18.2	18.7	19.2	18.8	14.5	15.3	15.9	16.7	16.8	17.7	17.2	6.0
7.0	16.7	16.7	11.5	13.8	14.5	14.9	15.3	15.9	15.6	11.7	12.4	13.0	13.7	13.9	14.7	14.4	7.0
8.0	13.6	13.8	9.2	11.4	12.0	12.5	12.8	13.3	13.2	9.6	10.2	10.8	11.5	11.6	12.4	12.2	8.0
9.0	11.1	11.2	7.4	9.5	10.1	10.5	10.9	11.3	11.3	7.9	8.5	9.0	9.7	9.8	10.6	10.4	9.0
10.0	9.2	9.3	6.0	7.9	8.5	8.8	9.0	9.4	9.6	6.5	7.1	7.6	8.2	8.4	9.1	9.0	10.0
12.0	6.5	6.7	3.8	5.5	5.9	6.2	6.4	6.7	6.9	4.4	5.0	5.4	6.1	6.2	6.7	6.8	12.0
14.0	4.8	5.0	2.3	3.9	4.2	4.5	4.7	5.0	5.2	2.9	3.4	3.9	4.4	4.5	4.9	5.0	14.0
16.0	3.6	3.8	1.2	2.7	3.1	3.3	3.5	3.8	4.0	1.8	2.3	2.7	3.2	3.3	3.7	3.8	16.0
18.0	2.8	2.9		1.7	2.2	2.4	2.6	2.9	3.0		1.4	1.8	2.3	2.4	2.8	2.9	18.0
20.0	2.1	2.2			1.4	1.7	1.9	2.2	2.3			1.0	1.5	1.6	2.1	2.2	20.0
22.0	1.5	1.6				1.0	1.3	1.6	1.8						1.5	1.6	22.0
24.0								1.1	1.2							1.1	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	6	5	4	4	5	5	5	4	4	3	3	3	3	3	3	3	

HA		3.7 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	12.8	13.1	14.3	14.3	15.1	15.7	16.3										6.0
7.0	10.3	10.6	11.7	11.7	12.5	13.1	13.6	13.0	9.4	10.0	11.4	11.3	12.2				7.0
8.0	8.4	8.7	9.7	9.7	10.5	11.0	11.5	11.1	7.6	8.2	9.5	9.4	10.3	10.0	7.3	8.1	8.0
9.0	6.8	7.1	8.1	8.1	8.8	9.3	9.8	9.5	6.2	6.8	8.0	7.9	8.8	8.6	6.0	6.8	9.0
10.0	5.5	5.8	6.8	6.8	7.5	8.0	8.4	8.2	5.0	5.6	6.8	6.7	7.5	7.4	4.9	5.6	10.0
12.0	3.6	3.9	4.9	4.8	5.5	5.9	6.4	6.3	3.2	3.8	4.9	4.8	5.6	5.5	3.1	3.9	12.0
14.0	2.2	2.5	3.4	3.4	4.0	4.4	4.8	4.8	1.8	2.4	3.5	3.4	4.2	4.2	1.8	2.6	14.0
16.0	1.1	1.4	2.3	2.2	2.9	3.3	3.6	3.7		1.4	2.4	2.3	3.1	3.1		1.6	16.0
18.0			1.4	1.4	2.0	2.4	2.7	2.8			1.6	1.5	2.2	2.3			18.0
20.0					1.3	1.7	2.0	2.1					1.5	1.6			20.0
22.0						1.0	1.4	1.5						1.0			22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	8.9	9.4															8.0
9.0	7.5	8.0	7.5	6.0	6.8												9.0
10.0	6.4	6.8	6.4	4.9	5.7	5.5	5.1										10.0
12.0	4.6	5.0	4.7	3.3	4.0	3.9	3.5	3.1									12.0
14.0	3.3	3.7	3.4	2.0	2.8	2.7	2.3	2.0									14.0
16.0	2.2	2.6	2.4	1.1	1.8	1.8	1.4	1.0									16.0
18.0	1.4	1.8	1.6		1.0	1.0											18.0
20.0		1.1															20.0
22.0																	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

ブーム

HA		3.7 t	7.7 m x 2.55 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
3.0	24.7	19.0	21.0	22.2	23.0	23.7	16.1	18.5	20.3	21.8	22.3	22.0	14.6	17.2	19.2	20.0	3.0
3.5	20.1	15.3	17.0	18.2	19.2	19.8	13.1	15.3	17.0	18.5	19.0	18.8	12.0	14.4	16.3	17.1	3.5
4.0	15.6	12.5	14.1	15.2	16.1	16.9	10.7	12.8	14.4	15.9	16.4	16.3	10.0	12.3	14.1	14.8	4.0
4.5	12.4	10.3	11.7	12.8	13.7	14.3	8.8	10.8	12.3	13.7	14.3	14.3	8.3	10.5	12.2	13.0	4.5
5.0	10.1	8.5	9.9	10.6	11.2	11.9	7.3	9.1	10.6	12.0	12.6	12.6	6.9	9.0	10.7	11.4	5.0
6.0	7.0	5.8	6.8	7.4	8.0	8.5	4.9	6.6	8.0	9.0	9.5	9.6	4.8	6.7	8.3	9.0	6.0
7.0	4.9	3.9	4.7	5.3	5.8	6.4	3.1	4.8	6.0	6.8	7.2	7.4	3.2	5.0	6.5	7.2	7.0
8.0	3.5	2.3	3.3	3.9	4.3	4.8	1.8	3.4	4.4	5.3	5.6	5.8	1.9	3.7	5.1	5.6	8.0
9.0	2.3	1.0	2.0	2.7	3.2	3.7		2.3	3.3	4.1	4.5	4.6		2.6	4.0	4.4	9.0
10.0				1.7	2.3	2.8		1.3	2.4	3.2	3.6	3.7		1.8	3.1	3.5	10.0
12.0						1.3				1.8	2.3	2.4			1.7	2.2	12.0
14.0											1.2	1.3				1.1	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0																	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	

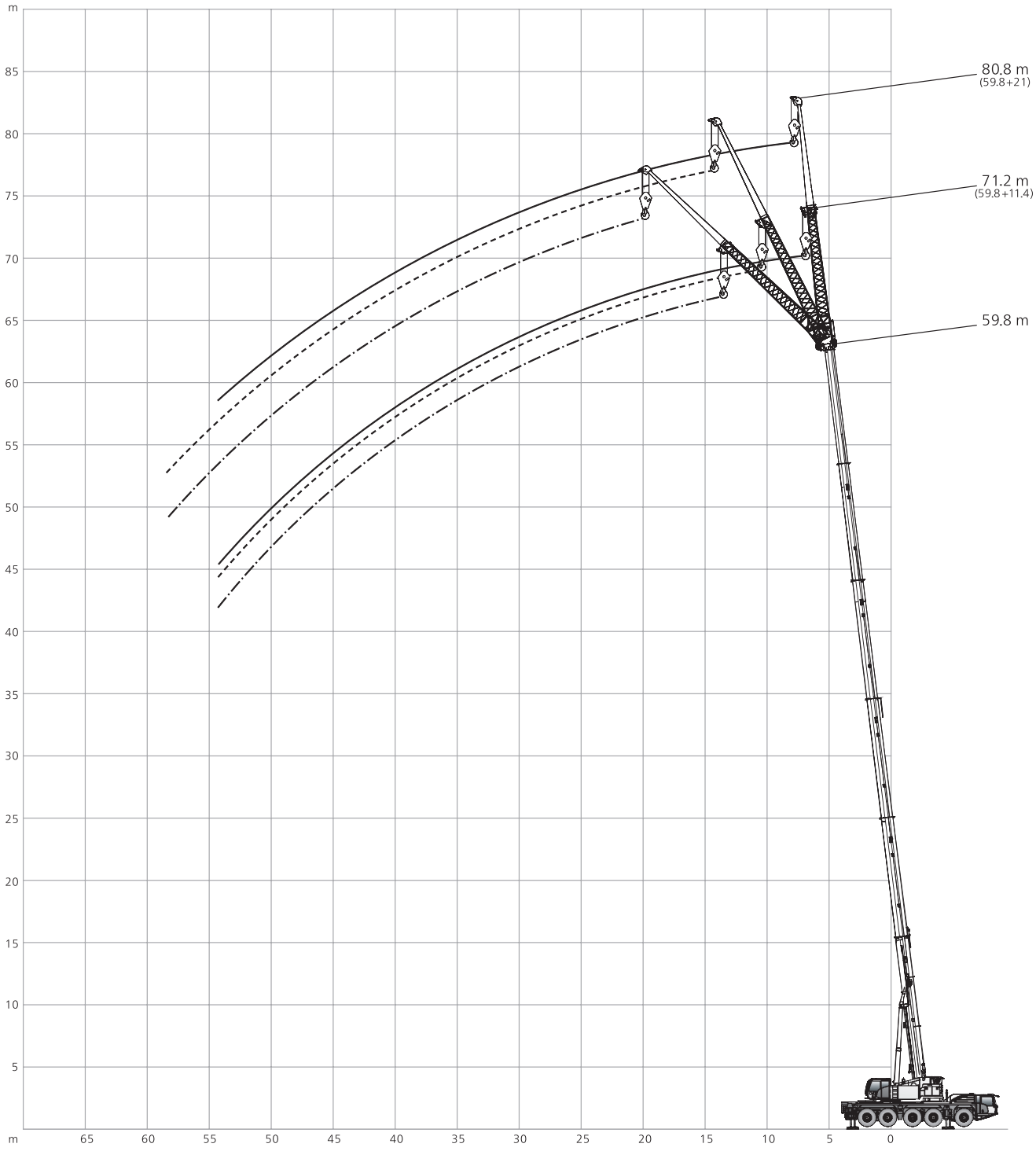
m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
3.0	20.5	20.2															3.0
3.5	17.6	17.4	11.5	14.0	14.7	15.2	15.6										3.5
4.0	15.3	15.2	9.7	12.1	12.8	13.2	13.7	14.2	13.8								4.0
4.5	13.4	13.4	8.3	10.5	11.1	11.6	12.0	12.5	12.2	8.4	9.1	9.7	10.4	10.5	11.3		4.5
5.0	11.8	11.8	7.0	9.1	9.8	10.3	10.6	11.1	10.9	7.3	7.9	8.5	9.2	9.3	10.1	9.9	5.0
6.0	9.4	9.4	5.0	7.0	7.7	8.1	8.4	8.9	8.8	5.4	6.1	6.6	7.2	7.4	8.1	8.0	6.0
7.0	7.5	7.6	3.5	5.4	6.0	6.4	6.8	7.3	7.2	4.0	4.6	5.1	5.8	5.9	6.6	6.5	7.0
8.0	5.9	6.0	2.4	4.2	4.8	5.2	5.5	6.0	6.0	2.9	3.5	4.0	4.6	4.7	5.4	5.3	8.0
9.0	4.7	4.8	1.4	3.2	3.8	4.1	4.5	4.9	4.9	2.0	2.6	3.0	3.6	3.8	4.4	4.4	9.0
10.0	3.8	3.9		2.4	2.9	3.3	3.6	4.0	4.1	1.3	1.8	2.3	2.8	3.0	3.6	3.6	10.0
12.0	2.5	2.6		1.1	1.6	2.0	2.3	2.6	2.8			1.1	1.6	1.7	2.4	2.4	12.0
14.0	1.4	1.6					1.3	1.6	1.8						1.5	1.5	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0																	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HA		3.7 t	7.7 m x 2.55 m	360°	JPN

m	37.5	37.1	37.1	37.1	37.1	40.6	41.6	41.2	41.2	44.7							m
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	5.7	5.7	6.4	6.9	7.4												6.0
7.0	4.4	4.4	5.0	5.5	6.0	5.8	4.4	4.2	5.1								7.0
8.0	3.3	3.3	4.0	4.4	4.9	4.7	3.4	3.3	4.1	4.0							8.0
9.0	2.5	2.4	3.1	3.5	4.0	3.9	2.6	2.4	3.2	3.2							9.0
10.0	1.8	1.7	2.3	2.8	3.2	3.2	1.9	1.8	2.5	2.5							10.0
12.0			1.2	1.6	2.0	2.0			1.4	1.5							12.0
14.0					1.2	1.2											14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0																	22.0
24.0																	24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0							1
2	45	90	45	45	0	0	45	90	45	45							2
3	45	90	90	45	90	100	45	90	90	100							3
4	45	45	90	90	90	100	90	90	90	100							4
5	90	45	45	90	90	100	90	45	90	100							5
LK-Code	35	36	37	38	39	40	43	44	45	46							LK-Code
	2	2	2	2	2	2	2	2	2	2							

オールテレーンクレーン
AC130-5
HAVHY

油圧チルトジブ (HAVHY) 作業半径－揚程図



油圧チルトジブ

HAVHY（油圧チルトジブ）定格総荷重表

■ 定格総荷重表注意事項

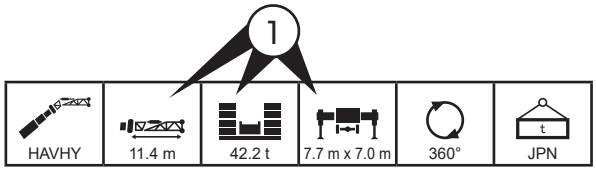
◆定格総荷重は、つり具質量とフック質量（91.8tフック:1,660kg、57.5tフック: 850kg、24.7tフック: 630kg、8.3tフック:350kg）を含んだ値を示します。
◆定格総荷重は、ブームのたわみを含んだ実際の作業半径に基づいています。
◆シングルトップ使用時の巻掛本数は1本（8.3tフック使用）で、定格総荷重はブームの定格総荷重からブームに取り付けられているフックの質量を差し引いた値とし、かつ上限は8.3tです。

定格総荷重表中のシンボル、記号の説明

	ブームの定格総荷重を示します。	m	ブーム長さを示します。
	油圧チルトジブ (HAVHY) の定格総荷重を示します。		ジブのオフセット角度を示し、ブームの中心線とジブの中心線のなす角度を示します。
	油圧チルトジブ (HAVHY) のジブ長さを示します。		作業半径を示します。
	カウンタウエイト（C/W）組合せを示します。		ブーム伸縮状態 (伸縮割合 %) を示します。LK-Codeはブーム伸縮状態に対応する番号を示します。
	アウトリガ張出幅を示します。		標準巻掛本数を示します。
	吊上げ可能な旋回範囲を示します。		

■ 定格総荷重表の見方

1. アウトリガ張出幅とカウンタウエイトの質量とジブ長さに応じた性能を選択します。
2. ブーム長さとLK-Codeの欄を見ます。
3. 作業半径の欄を見ます。
4. オフセット角度と作業半径が交差するところが定格総荷重です。



	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6								3.0
	3.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6						3.5
	4.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6		4.0
	4.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	4.5
	5.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	6.0
	7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	7.0
	8.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.0	15.2	16.6	16.6	16.6	16.6	8.0
	9.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	14.7	13.9	16.6	16.6	16.6	16.6	9.0
	10.0	15.9	16.6	16.6	16.6	16.6	15.7	16.6	16.6	16.6	16.6	13.6	12.9	16.6	16.6	16.6	15.5	10.0
	12.0	13.7	15.9	15.7	15.7	15.7	13.5	16.6	16.6	16.6	15.0	11.7	11.1	16.6	16.6	16.3	13.5	12.0
	14.0	12.1	14.1	13.9	13.9	13.9	11.9	15.6	15.5	15.4	13.2	10.2	9.6	16.6	16.6	14.5	11.7	14.0
	16.0	10.7	12.6	12.5	12.5	12.5	10.7	14.1	14.0	13.9	11.9	9.1	8.6	15.2	15.1	12.9	10.3	16.0
	18.0	9.6	11.5	11.3	11.3	11.3	9.7	12.8	12.7	12.6	10.8	8.2	7.7	13.9	13.8	11.8	9.3	18.0
	20.0	8.8	10.4	10.2	10.2	10.2	8.8	11.8	11.7	11.6	9.9	7.4	7.0	12.8	12.7	10.8	8.4	20.0
	22.0		9.5	9.4	9.4	9.4	8.1	10.8	10.7	10.7	9.1	6.8	6.4	11.9	11.7	10.0	7.7	22.0
	24.0		8.9	8.8	8.8	8.7	7.6	10.0	9.9	9.9	8.4	6.2	5.9	11.1	10.9	9.4	7.1	24.0
	26.0							9.3	9.3	9.2	7.9	5.8	5.4	10.2	10.2	8.7	6.5	26.0
	28.0							8.8	8.7	8.7	7.5	5.4	5.1	9.0	9.6	8.2	6.0	28.0
	30.0												4.7	8.0	8.7	7.8	5.6	30.0
	32.0													7.0	7.9	7.5	5.2	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
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	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY	11.4 m	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6								3.0
	3.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6						3.5
	4.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6		4.0
	4.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	4.5
	5.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	6.0
	7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	7.0
	8.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.0	15.2	16.6	16.6	16.6	16.6	8.0
	9.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	14.7	13.9	16.6	16.6	16.6	16.6	9.0
	10.0	15.9	16.6	16.6	16.6	16.6	15.7	16.6	16.6	16.6	16.6	13.6	12.9	16.6	16.6	16.6	15.5	10.0
	12.0	13.7	15.9	15.7	15.7	15.7	13.5	16.6	16.6	16.6	15.0	11.7	11.1	16.6	16.6	16.3	13.5	12.0
	14.0	12.1	14.1	13.9	13.9	13.9	11.9	15.6	15.5	15.4	13.2	10.2	9.6	16.6	16.6	14.5	11.7	14.0
	16.0	10.7	12.6	12.5	12.5	12.5	10.7	14.1	14.0	13.9	11.9	9.1	8.6	15.2	15.1	12.9	10.3	16.0
	18.0	9.6	11.5	11.3	11.3	11.3	9.7	12.8	12.7	12.6	10.8	8.2	7.7	13.9	13.8	11.8	9.3	18.0
	20.0	8.8	10.4	10.2	10.2	10.2	8.8	11.8	11.7	11.6	9.9	7.4	7.0	12.8	12.7	10.8	8.4	20.0
	22.0		9.5	9.4	9.4	9.4	8.1	10.8	10.7	10.7	9.1	6.8	6.4	11.9	11.7	10.0	7.7	22.0
	24.0		8.9	8.8	8.8	8.7	7.6	10.0	9.9	9.9	8.4	6.2	5.9	11.1	10.9	9.4	7.1	24.0
	26.0							9.3	9.3	9.2	7.9	5.8	5.4	10.2	10.2	8.7	6.5	26.0
	28.0							8.8	8.7	8.7	7.5	5.4	5.1	9.0	9.6	8.2	6.0	28.0
	30.0												4.7	8.0	8.7	7.8	5.6	30.0
	32.0													7.0	7.9	7.5	5.2	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5	16.6																4.5
	5.0	16.6	16.6	16.6	16.6	16.6												5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.4		16.6	16.6						6.0
	7.0	16.6	16.4	16.6	16.6	16.6	16.6	16.6	15.4	13.4	16.6	16.6	16.6	15.9	15.2	13.6		7.0
	8.0	16.6	15.6	16.6	16.6	16.6	16.6	16.6	15.2	13.3	16.6	16.6	16.6	15.8	15.2	13.6	11.8	8.0
	9.0	15.5	14.6	16.6	16.6	16.6	16.6	15.9	14.6	13.0	16.6	16.6	16.6	15.6	15.2	13.6	11.8	9.0
	10.0	14.4	13.6	16.6	16.6	16.6	16.2	15.1	13.9	12.6	16.6	16.6	16.6	15.3	14.9	13.3	11.8	10.0
	12.0	12.6	11.9	16.6	16.6	15.9	14.1	13.2	12.2	11.3	16.6	16.6	15.9	14.0	14.0	12.3	11.3	12.0
	14.0	11.1	10.5	16.6	15.5	14.1	12.6	11.9	10.8	9.9	16.3	16.0	14.6	12.4	12.6	11.1	10.3	14.0
	16.0	9.8	9.3	16.1	14.0	12.5	11.2	10.7	9.5	8.8	15.0	14.7	13.2	11.3	11.3	10.0	9.2	16.0
	18.0	8.9	8.4	14.8	12.7	11.1	10.0	9.6	8.5	7.8	13.7	13.5	11.8	10.3	10.1	9.1	8.3	18.0
	20.0	8.1	7.6	13.7	11.7	10.0	9.1	8.8	7.6	7.0	12.6	12.4	10.7	9.4	9.0	8.2	7.5	20.0
	22.0	7.5	7.0	12.7	10.8	9.0	8.3	8.1	7.0	6.3	11.7	11.3	9.7	8.7	8.1	7.4	6.8	22.0
	24.0	6.9	6.5	11.8	10.1	8.2	7.7	7.5	6.3	5.8	10.9	10.3	8.9	8.1	7.4	6.8	6.2	24.0
	26.0	6.4	6.0	10.3	9.5	7.6	7.1	7.0	5.8	5.3	10.2	9.5	8.2	7.6	6.8	6.3	5.7	26.0
	28.0	5.9	5.6	9.1	8.9	7.0	6.6	6.6	5.4	4.9	9.3	8.7	7.6	7.1	6.2	5.8	5.3	28.0
	30.0	5.5	5.2	8.0	8.4	6.4	6.2	6.1	4.9	4.5	8.3	8.0	7.1	6.7	5.8	5.4	4.9	30.0
	32.0	5.2	5.0	7.1	8.0	5.9	5.8	5.7	4.6	4.1	7.4	7.4	6.6	6.3	5.3	5.0	4.5	32.0
	34.0		4.7	6.3	7.2	5.5	5.4	5.4	4.3	3.8	6.5	6.8	6.1	5.9	4.9	4.7	4.2	34.0
	36.0			5.6	6.6	5.2	5.1	5.1	4.0	3.6	5.8	6.1	5.7	5.6	4.5	4.4	3.9	36.0
	38.0									3.4	5.2	5.5	5.4	5.3	4.2	4.2	3.7	38.0
	40.0										4.6	4.9	5.1	5.1	4.0	4.0	3.5	40.0
	42.0																3.3	42.0
	44.0																	44.0
	46.0																	46.0
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	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	16.4	15.9	14.7	15.4	14.1	13.3	12.1										8.0
	9.0	16.3	15.9	14.6	15.4	14.1	13.3	12.1	10.0	13.7	13.0	11.8	12.2	11.0				9.0
	10.0	16.2	15.8	14.5	15.4	14.1	13.3	12.1	10.0	13.7	13.0	11.8	12.2	11.0	9.0	11.1	10.4	10.0
	12.0	15.8	15.5	14.2	15.1	13.7	12.5	12.0	10.0	13.7	13.0	11.8	12.2	11.0	9.0	11.1	10.4	12.0
	14.0	15.4	15.1	13.1	14.4	12.8	11.5	11.2	10.0	13.7	13.0	11.3	12.2	10.9	9.0	11.1	10.4	14.0
	16.0	15.0	14.7	11.8	13.4	11.6	10.5	10.3	9.6	13.4	12.8	10.6	11.6	10.3	9.0	11.1	10.4	16.0
	18.0	14.2	14.0	10.9	12.3	10.6	9.6	9.4	8.7	13.2	12.2	9.8	10.8	9.6	8.8	11.1	10.4	18.0
	20.0	13.2	12.9	10.1	11.2	9.6	8.8	8.5	8.0	12.7	11.5	9.1	9.9	8.8	8.2	10.9	9.9	20.0
	22.0	12.2	11.9	9.3	10.3	8.7	8.0	7.6	7.3	11.7	10.6	8.4	9.1	8.1	7.6	10.6	9.3	22.0
	24.0	11.3	11.0	8.6	9.4	7.9	7.3	6.9	6.7	10.7	9.8	7.8	8.4	7.4	7.0	9.8	8.7	24.0
	26.0	10.1	10.2	8.1	8.6	7.3	6.8	6.3	6.1	9.8	9.1	7.2	7.7	6.7	6.4	9.1	8.1	26.0
	28.0	8.9	9.1	7.6	7.9	6.7	6.3	5.8	5.6	8.7	8.4	6.7	7.1	6.2	5.9	8.4	7.5	28.0
	30.0	7.8	8.0	7.2	7.2	6.2	5.9	5.3	5.1	7.6	7.8	6.3	6.6	5.7	5.4	7.5	7.0	30.0
	32.0	6.9	7.1	6.8	6.7	5.8	5.5	4.9	4.7	6.6	7.0	5.9	6.2	5.3	5.0	6.6	6.6	32.0
	34.0	6.0	6.2	6.4	6.2	5.4	5.2	4.6	4.3	5.8	6.1	5.5	5.7	4.9	4.7	5.7	6.1	34.0
	36.0	5.3	5.5	6.0	5.7	5.0	4.8	4.2	4.0	5.1	5.4	5.2	5.3	4.6	4.3	5.0	5.5	36.0
	38.0	4.7	4.9	5.4	5.3	4.7	4.6	3.9	3.7	4.4	4.8	4.9	4.9	4.3	4.0	4.4	4.8	38.0
	40.0	4.1	4.3	4.8	4.8	4.4	4.3	3.6	3.4	3.9	4.2	4.7	4.6	4.0	3.7	3.8	4.3	40.0
	42.0	3.6	3.8	4.3	4.3	4.2	4.1	3.4	3.2	3.4	3.7	4.3	4.2	3.7	3.5	3.3	3.8	42.0
	44.0	3.2	3.4	3.8	3.8	4.0	4.0	3.2	3.0	2.9	3.2	3.8	3.8	3.5	3.2	2.9	3.3	44.0
	46.0		1.7	2.2					2.8	2.5	2.8	3.4	3.4	3.3	3.0	2.5	2.9	46.0
	48.0								2.6	2.2	2.5	3.1	3.1	3.2	2.9	2.1	2.5	48.0
	50.0											1.8			2.7	1.8	2.2	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	0	0	0	0	0	0	0	0									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0	9.7	9.6															10.0
	12.0	9.7	9.6	7.6	9.0	8.3		7.2										12.0
	14.0	9.7	9.6	7.6	9.0	8.3	6.4	7.2	5.2									14.0
	16.0	9.7	9.6	7.6	9.0	8.3	6.4	7.2	5.2									16.0
	18.0	9.4	9.3	7.6	9.0	8.3	6.4	7.2	5.2									18.0
	20.0	8.9	8.8	7.6	9.0	8.3	6.4	7.2	5.2									20.0
	22.0	8.3	8.2	7.4	9.0	8.1	6.4	7.2	5.2									22.0
	24.0	7.7	7.6	7.0	8.6	7.7	6.4	7.2	5.2									24.0
	26.0	7.1	7.1	6.6	8.2	7.2	6.4	7.1	5.2									26.0
	28.0	6.6	6.5	6.2	7.7	6.8	6.2	6.8	5.2									28.0
	30.0	6.1	6.1	5.8	7.2	6.3	5.9	6.4	5.2									30.0
	32.0	5.7	5.6	5.4	6.7	5.9	5.5	6.1	5.2									32.0
	34.0	5.3	5.3	5.0	5.8	5.6	5.2	5.7	5.1									34.0
	36.0	5.0	4.9	4.6	5.1	5.2	4.9	5.3	4.9									36.0
	38.0	4.7	4.6	4.3	4.5	4.9	4.6	4.7	4.5									38.0
	40.0	4.4	4.3	4.0	3.9	4.4	4.3	4.1	3.9									40.0
	42.0	4.1	4.0	3.7	3.4	3.9	3.9	3.6	3.4									42.0
	44.0	3.7	3.7	3.4	2.9	3.5	3.4	3.1	3.0									44.0
	46.0	3.3	3.5	3.2	2.5	3.1	3.0	2.7	2.6									46.0
	48.0	2.9	3.2	2.9	2.2	2.7	2.6	2.3	2.2									48.0
	50.0	2.6	2.8	2.7	1.8	2.3	2.3	2.0	1.8									50.0
	54.0			2.1	1.2	1.7	1.7	1.4	1.2									54.0
	58.0			1.6			1.2											58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	11.4 m	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0	16.6																4.0
4.5	16.6	16.6	16.6	16.6	16.6												4.5
5.0	16.6	16.6	16.6	16.6	16.6	16.6											5.0
6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6			16.6			6.0
7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.8	15.1	16.6	16.6	16.6	16.6	7.0
8.0	16.1	16.6	16.6	16.6	16.6	16.5	16.6	16.6	16.6	16.6	14.5	13.9	16.6	16.6	16.6	16.6	8.0
9.0	14.9	16.3	16.3	16.2	16.2	15.3	16.6	16.6	16.6	16.2	13.4	12.8	16.6	16.6	16.6	15.7	9.0
10.0	13.8	15.4	15.3	15.3	15.2	14.3	16.3	16.2	16.2	15.2	12.5	11.9	16.6	16.6	15.9	14.5	10.0
12.0	12.2	13.6	13.5	13.5	13.5	12.5	14.7	14.6	14.6	13.5	11.0	10.4	15.5	15.4	14.2	12.7	12.0
14.0	11.0	12.3	12.2	12.2	12.2	11.2	13.3	13.2	13.2	12.1	9.7	9.2	14.2	14.1	12.9	11.3	14.0
16.0	10.0	11.2	11.1	11.1	11.1	10.1	12.2	12.1	12.1	11.0	8.7	8.2	13.0	12.9	11.8	10.0	16.0
18.0	9.2	10.4	10.3	10.3	10.3	9.2	11.3	11.2	11.2	10.1	7.9	7.4	12.1	12.0	10.8	9.0	18.0
20.0	8.6	9.6	9.5	9.5	9.5	8.5	10.5	10.4	10.4	9.3	7.2	6.8	11.3	11.2	10.1	8.2	20.0
22.0		9.0	8.9	8.9	8.9	7.9	9.9	9.8	9.7	8.7	6.6	6.2	10.6	10.5	9.4	7.5	22.0
24.0		8.6	8.6	8.6	8.6	7.5	9.3	9.2	9.2	8.1	6.1	5.7	10.0	9.9	8.8	6.9	24.0
26.0							8.9	8.8	8.8	7.7	5.7	5.3	9.5	9.4	8.3	6.4	26.0
28.0							8.6	8.5	8.5	7.4	5.4	5.0	9.0	9.0	7.9	5.9	28.0
30.0												4.7	8.1	8.7	7.6	5.5	30.0
32.0													7.2	7.9	7.4	5.2	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	16.0																7.0
8.0	14.9	14.1	16.6	16.6	16.6		15.2										8.0
9.0	13.9	13.2	16.6	16.6	16.6	16.0	14.2	13.9	13.0	16.6	16.6	16.4	14.5				9.0
10.0	13.0	12.3	16.6	16.5	16.2	14.9	13.4	13.1	12.3	16.5	16.4	16.0	13.7	14.6	13.0		10.0
12.0	11.5	10.9	15.9	14.8	14.6	13.1	12.0	11.7	10.8	15.4	15.2	15.0	12.4	13.3	11.8	11.0	12.0
14.0	10.3	9.8	14.7	13.6	13.3	11.7	10.8	10.3	9.5	14.1	13.9	13.7	11.2	12.0	10.6	9.8	14.0
16.0	9.3	8.8	13.6	12.5	12.1	10.6	9.9	9.3	8.5	13.0	12.9	12.6	10.3	10.9	9.6	8.8	16.0
18.0	8.4	8.0	12.7	11.5	10.8	9.6	9.0	8.3	7.7	12.2	12.0	11.4	9.5	9.9	8.7	8.0	18.0
20.0	7.8	7.3	11.8	10.7	9.8	8.8	8.3	7.5	6.9	11.3	11.2	10.4	8.8	8.9	7.9	7.3	20.0
22.0	7.2	6.7	11.2	10.0	8.9	8.1	7.7	6.8	6.2	10.6	10.5	9.5	8.1	8.0	7.2	6.6	22.0
24.0	6.7	6.3	10.6	9.4	8.1	7.5	7.2	6.3	5.7	10.0	9.8	8.7	7.6	7.3	6.7	6.1	24.0
26.0	6.2	5.8	10.0	8.9	7.5	6.9	6.7	5.7	5.2	9.5	9.2	8.0	7.2	6.7	6.2	5.6	26.0
28.0	5.8	5.5	9.3	8.4	6.9	6.5	6.3	5.3	4.8	9.0	8.6	7.5	6.8	6.2	5.7	5.2	28.0
30.0	5.5	5.1	8.2	8.0	6.4	6.1	6.0	4.9	4.4	8.5	8.0	7.0	6.4	5.7	5.3	4.8	30.0
32.0	5.2	4.9	7.3	7.7	5.9	5.7	5.6	4.5	4.1	7.6	7.4	6.5	6.1	5.3	5.0	4.5	32.0
34.0		4.7	6.4	7.3	5.5	5.4	5.3	4.3	3.8	6.7	6.8	6.1	5.8	4.9	4.6	4.2	34.0
36.0			5.7	6.6	5.2	5.1	5.1	4.0	3.6	6.0	6.3	5.7	5.5	4.5	4.4	3.9	36.0
38.0									3.4	5.3	5.6	5.4	5.2	4.2	4.1	3.7	38.0
40.0										4.7	5.0	5.1	5.0	4.0	3.9	3.5	40.0
42.0																3.3	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	42.2 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	15.7		13.9														10.0
12.0	15.1	14.9	12.7	14.6	13.3	12.1	11.7	10.0	13.6	13.0	11.7	12.2	11.0				12.0
14.0	14.3	14.1	11.6	13.8	12.3	11.0	10.7	10.0	13.3	12.9	10.9	12.0	10.7	9.0	11.1	10.4	14.0
16.0	13.3	13.3	10.7	12.9	11.2	10.0	9.8	9.1	13.0	12.5	10.1	11.3	9.9	9.0	11.1	10.4	16.0
18.0	12.4	12.4	9.9	11.7	10.2	9.1	9.0	8.3	12.5	11.9	9.4	10.5	9.2	8.5	11.1	10.3	18.0
20.0	11.7	11.7	9.2	10.8	9.4	8.4	8.2	7.6	11.9	11.1	8.7	9.6	8.5	7.9	10.8	9.7	20.0
22.0	11.0	11.0	8.6	10.0	8.5	7.7	7.5	7.1	11.2	10.3	8.1	8.9	7.9	7.3	10.3	9.1	22.0
24.0	10.4	10.3	8.1	9.2	7.8	7.1	6.9	6.5	10.5	9.6	7.5	8.2	7.2	6.8	9.7	8.5	24.0
26.0	9.8	9.8	7.6	8.5	7.2	6.6	6.3	6.0	9.7	9.0	7.0	7.6	6.7	6.3	9.0	7.9	26.0
28.0	9.2	9.2	7.2	7.8	6.6	6.1	5.8	5.6	9.0	8.3	6.5	7.0	6.2	5.8	8.3	7.4	28.0
30.0	8.1	8.2	6.8	7.2	6.2	5.8	5.3	5.1	7.9	7.8	6.1	6.5	5.7	5.4	7.7	6.9	30.0
32.0	7.1	7.3	6.5	6.7	5.7	5.4	4.9	4.7	6.9	7.2	5.7	6.1	5.3	5.0	6.9	6.4	32.0
34.0	6.3	6.4	6.2	6.2	5.3	5.1	4.6	4.4	6.0	6.4	5.4	5.7	4.9	4.7	6.0	6.0	34.0
36.0	5.5	5.7	5.9	5.7	5.0	4.8	4.2	4.0	5.3	5.6	5.1	5.3	4.6	4.3	5.3	5.7	36.0
38.0	4.8	5.0	5.5	5.3	4.7	4.5	3.9	3.7	4.6	5.0	4.8	4.9	4.3	4.0	4.6	5.0	38.0
40.0	4.3	4.4	4.9	4.9	4.4	4.3	3.6	3.4	4.0	4.4	4.6	4.6	4.0	3.7	4.0	4.4	40.0
42.0	3.7	3.9	4.4	4.4	4.1	4.1	3.4	3.2	3.5	3.8	4.4	4.2	3.7	3.5	3.5	3.9	42.0
44.0	3.3	3.4	3.9	3.9	3.9	4.0	3.2	3.0	3.0	3.4	4.0	3.9	3.5	3.2	3.0	3.4	44.0
46.0								2.8	2.6	2.9	3.5	3.5	3.3	3.0	2.6	3.0	46.0
48.0								2.6	2.2	2.6	3.1	3.1	3.2	2.9	2.2	2.6	48.0
50.0														2.7	1.8	2.3	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	10	10	10	10	10	10	10	10									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	9.7	9.6		9.0	8.3												14.0
16.0	9.7	9.6	7.6	9.0	8.3	6.4	7.2										16.0
18.0	9.1	9.0	7.6	9.0	8.3	6.4	7.2	5.2									18.0
20.0	8.6	8.5	7.6	9.0	8.3	6.4	7.2	5.2									20.0
22.0	8.0	8.0	7.4	8.9	7.9	6.4	7.2	5.2									22.0
24.0	7.5	7.4	6.9	8.4	7.5	6.4	7.2	5.2									24.0
26.0	7.0	6.9	6.5	8.0	7.1	6.4	7.0	5.2									26.0
28.0	6.5	6.4	6.1	7.5	6.7	6.1	6.7	5.2									28.0
30.0	6.0	6.0	5.7	7.1	6.2	5.8	6.3	5.2									30.0
32.0	5.6	5.6	5.3	6.7	5.8	5.5	6.0	5.2									32.0
34.0	5.3	5.2	4.9	6.1	5.5	5.1	5.6	5.1									34.0
36.0	4.9	4.9	4.6	5.4	5.1	4.8	5.3	4.9									36.0
38.0	4.6	4.6	4.3	4.7	4.9	4.5	4.9	4.6									38.0
40.0	4.3	4.3	4.0	4.1	4.6	4.3	4.3	4.2									40.0
42.0	4.1	4.0	3.7	3.6	4.1	4.0	3.8	3.6									42.0
44.0	3.8	3.8	3.5	3.1	3.6	3.6	3.3	3.2									44.0
46.0	3.4	3.5	3.2	2.7	3.2	3.1	2.9	2.7									46.0
48.0	3.0	3.3	3.0	2.3	2.8	2.8	2.5	2.3									48.0
50.0	2.7	2.9	2.7	1.9	2.4	2.4	2.1	2.0									50.0
54.0			2.2	1.3	1.8	1.8	1.5	1.4									54.0
58.0			1.7			1.2											58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0	15.8																6.0
	7.0	14.8	15.4	15.4	15.4	15.4	15.1											7.0
	8.0	13.8	14.6	14.5	14.5	14.5	14.3	15.0	15.0	14.9	14.6	13.4	12.8		15.3			8.0
	9.0	13.0	13.8	13.8	13.7	13.7	13.5	14.3	14.3	14.2	13.9	12.5	11.9	14.7	14.6	14.2	14.0	9.0
	10.0	12.3	13.1	13.1	13.1	13.0	12.8	13.7	13.6	13.6	13.3	11.7	11.1	14.1	14.0	13.6	13.4	10.0
	12.0	11.1	12.0	11.9	11.9	11.9	11.6	12.6	12.5	12.5	12.2	10.3	9.8	13.0	12.9	12.6	12.1	12.0
	14.0	10.1	11.0	10.9	10.9	10.9	10.5	11.6	11.6	11.5	11.2	9.2	8.8	12.1	12.1	11.7	10.8	14.0
	16.0	9.3	10.2	10.1	10.1	10.1	9.6	10.8	10.8	10.8	10.3	8.3	7.9	11.4	11.3	10.8	9.7	16.0
	18.0	8.8	9.6	9.5	9.5	9.5	8.9	10.2	10.1	10.1	9.5	7.6	7.2	10.7	10.6	10.1	8.7	18.0
	20.0	8.5	9.0	8.9	8.9	8.9	8.2	9.6	9.6	9.6	8.9	7.0	6.6	10.1	10.1	9.4	8.0	20.0
	22.0		8.6	8.6	8.6	8.6	7.7	9.1	9.1	9.1	8.3	6.4	6.1	9.7	9.6	8.9	7.3	22.0
	24.0		8.5	8.4	8.4	8.4	7.4	8.8	8.7	8.7	7.9	6.0	5.6	9.2	9.2	8.4	6.8	24.0
	26.0							8.5	8.5	8.5	7.6	5.6	5.3	8.9	8.8	8.0	6.3	26.0
	28.0							8.4	8.4	8.4	7.3	5.3	5.0	8.6	8.6	7.7	5.9	28.0
	30.0													8.2	8.5	7.5	5.5	30.0
	32.0													7.2	8.0	7.3	5.2	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0	12.6	12.1	14.9														9.0
	10.0	11.9	11.3	14.3	13.9	13.7	13.5	12.1										10.0
	12.0	10.7	10.1	13.3	12.9	12.8	12.4	11.0	10.8	10.2	13.1	13.0	12.9	11.2	12.4	10.9	10.2	12.0
	14.0	9.6	9.1	12.5	12.1	12.0	11.1	10.0	9.8	9.3	12.4	12.3	12.2	10.3	11.3	10.0	9.4	14.0
	16.0	8.8	8.3	11.8	11.3	11.2	10.1	9.2	8.9	8.3	11.7	11.6	11.5	9.5	10.3	9.2	8.5	16.0
	18.0	8.0	7.6	11.1	10.6	10.4	9.2	8.5	8.1	7.5	11.0	10.9	10.7	8.8	9.5	8.4	7.7	18.0
	20.0	7.4	7.0	10.5	9.9	9.6	8.5	7.9	7.4	6.8	10.4	10.3	10.0	8.2	8.8	7.7	7.1	20.0
	22.0	6.9	6.5	10.1	9.4	8.8	7.8	7.3	6.7	6.2	9.8	9.7	9.2	7.7	8.0	7.1	6.5	22.0
	24.0	6.5	6.1	9.6	8.9	8.1	7.3	6.9	6.2	5.6	9.3	9.2	8.6	7.3	7.3	6.5	6.0	24.0
	26.0	6.1	5.7	9.2	8.5	7.4	6.8	6.5	5.7	5.2	8.9	8.8	7.9	6.9	6.7	6.1	5.5	26.0
	28.0	5.7	5.4	8.9	8.1	6.8	6.4	6.2	5.3	4.8	8.5	8.4	7.4	6.5	6.1	5.6	5.1	28.0
	30.0	5.4	5.1	8.4	7.8	6.3	6.0	5.8	4.9	4.4	8.2	7.9	6.9	6.2	5.7	5.3	4.8	30.0
	32.0	5.2	4.9	7.4	7.4	7.5	5.9	5.6	4.5	4.1	7.7	7.4	6.4	5.9	5.3	4.9	4.4	32.0
	34.0			6.6	7.4	5.5	5.4	5.3	4.3	3.8	6.9	6.8	6.0	5.7	4.9	4.6	4.1	34.0
	36.0			5.8	6.7	5.2	5.1	5.1	4.0	3.6	6.1	6.4	5.7	5.4	4.5	4.4	3.9	36.0
	38.0									3.3	5.4	5.7	5.4	5.2	4.2	4.1	3.7	38.0
	40.0										4.8	5.0	5.1	5.0	4.0	3.9	3.5	40.0
	42.0																3.3	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	13.1	13.0	11.4														12.0
	14.0	12.4	12.3	10.5	12.2	11.5	10.2	10.1		12.2	11.9	10.4	11.5	10.2				14.0
	16.0	11.8	11.7	9.8	11.6	10.6	9.5	9.4	8.7	11.6	11.5	9.7	10.7	9.5	8.8	11.1	10.4	16.0
	18.0	11.2	11.2	9.1	11.0	9.8	8.8	8.7	8.0	11.1	11.0	9.0	10.0	8.8	8.2	10.7	10.0	18.0
	20.0	10.6	10.5	8.6	10.4	9.1	8.1	8.0	7.4	10.7	10.5	8.3	9.3	8.2	7.6	10.4	9.4	20.0
	22.0	10.1	10.0	8.1	9.7	8.4	7.5	7.4	6.8	10.2	9.9	7.7	8.6	7.6	7.0	10.0	8.9	22.0
	24.0	9.6	9.6	7.6	9.0	7.7	6.9	6.8	6.4	9.8	9.3	7.2	8.0	7.1	6.6	9.4	8.3	24.0
	26.0	9.1	9.1	7.2	8.3	7.1	6.4	6.3	5.9	9.4	8.7	6.8	7.4	6.6	6.1	8.8	7.7	26.0
	28.0	8.8	8.8	6.9	7.7	6.6	6.0	5.8	5.5	9.0	8.2	6.3	6.9	6.1	5.8	8.3	7.2	28.0
	30.0	8.3	8.4	6.5	7.2	6.1	5.6	5.3	5.1	8.1	7.6	6.0	6.5	5.7	5.4	7.7	6.8	30.0
	32.0	7.3	7.5	6.3	6.7	5.7	5.3	4.9	4.7	7.1	7.1	5.6	6.0	5.3	5.0	7.1	6.3	32.0
	34.0	6.5	6.6	6.0	6.2	5.3	5.0	4.6	4.4	6.3	6.6	5.3	5.7	4.9	4.7	6.3	6.0	34.0
	36.0	5.7	5.8	5.8	5.7	5.0	4.7	4.2	4.0	5.5	5.8	5.0	5.3	4.6	4.3	5.5	5.6	36.0
	38.0	5.0	5.2	5.6	5.3	4.7	4.5	3.9	3.7	4.8	5.1	4.8	4.9	4.3	4.0	4.8	5.2	38.0
	40.0	4.4	4.5	5.0	4.9	4.4	4.3	3.6	3.4	4.2	4.5	4.6	4.6	4.0	3.8	4.2	4.6	40.0
	42.0	3.8	4.0	4.5	4.4	4.1	4.1	3.4	3.2	3.6	4.0	4.4	4.3	3.7	3.5	3.6	4.1	42.0
	44.0	3.3	3.5	4.0	3.9	3.9	3.9	3.2	3.0	3.1	3.5	4.0	4.0	3.5	3.3	3.1	3.6	44.0
	46.0								2.8	2.7	3.0	3.6	3.6	3.3	3.1	2.7	3.1	46.0
	48.0									2.3	2.6	3.2	3.1	3.1	2.9	2.3	2.7	48.0
	50.0														2.7	1.9	2.3	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	20	20	20	20	20	20	20	20									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	9.4	9.3															16.0
	18.0	8.8	8.7	7.6	9.0	8.3		7.2										18.0
	20.0	8.2	8.2	7.6	9.0	8.1	6.4	7.2	5.2									20.0
	22.0	7.7	7.7	7.1	8.8	7.7	6.4	7.2	5.2									22.0
	24.0	7.2	7.2	6.7	8.3	7.3	6.4	7.2	5.2									24.0
	26.0	6.8	6.7	6.3	7.8	6.9	6.4	6.9	5.2									26.0
	28.0	6.4	6.3	5.9	7.4	6.5	6.0	6.6	5.2									28.0
	30.0	6.0	5.9	5.6	7.0	6.1	5.7	6.2	5.2									30.0
	32.0	5.6	5.5	5.2	6.6	5.8	5.4	5.9	5.2									32.0
	34.0	5.3	5.2	4.9	6.2	5.4	5.1	5.6	5.1									34.0
	36.0	4.9	4.9	4.6	5.6	5.1	4.8	5.2	4.9									36.0
	38.0	4.6	4.5	4.3	4.9	4.8	4.5	5.0	4.6									38.0
	40.0	4.3	4.3	4.0	4.3	4.5	4.2	4.5	4.4									40.0
	42.0	4.1	4.0	3.8	3.7	4.2	4.0	3.9	3.8									42.0
	44.0	3.8	3.8	3.5	3.2	3.7	3.7	3.4	3.3									44.0
	46.0	3.5	3.5	3.2	2.8	3.3	3.3	3.0	2.9									46.0
	48.0	3.1	3.3	3.0	2.4	2.9	2.9	2.6	2.5									48.0
	50.0	2.7	3.0	2.8	2.0	2.5	2.5	2.2	2.1									50.0
	54.0			2.2	1.4	1.9	1.8	1.6	1.5									54.0
	58.0						1.3	1.0										58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	11.4 m	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	12.2	12.6	12.6	12.6	12.5												8.0
	9.0	11.6	12.0	12.0	12.0	12.0	11.8	12.3	12.3	12.2	12.0							9.0
	10.0	11.1	11.5	11.5	11.5	11.5	11.4	11.8	11.8	11.8	11.6	11.0	10.5	12.1	12.0	11.8		10.0
	12.0	10.1	10.7	10.7	10.7	10.6	10.5	11.1	11.0	11.0	10.8	9.8	9.4	11.3	11.3	11.1	11.0	12.0
	14.0	9.4	10.0	9.9	9.9	9.9	9.9	10.4	10.4	10.4	10.2	8.9	8.4	10.7	10.6	10.5	10.3	14.0
	16.0	8.8	9.4	9.4	9.4	9.4	9.2	9.8	9.8	9.8	9.7	8.0	7.7	10.2	10.1	10.0	9.4	16.0
	18.0	8.4	9.0	8.9	8.9	8.9	8.6	9.4	9.3	9.3	9.1	7.4	7.0	9.7	9.6	9.5	8.6	18.0
	20.0		8.6	8.5	8.5	8.5	8.0	9.0	8.9	8.9	8.5	6.8	6.4	9.3	9.3	9.0	7.8	20.0
	22.0		8.4	8.4	8.4	8.4	7.6	8.7	8.6	8.6	8.1	6.3	6.0	9.0	8.9	8.5	7.2	22.0
	24.0							8.4	8.4	8.4	7.7	5.9	5.6	8.7	8.6	8.1	6.7	24.0
	26.0							8.3	8.4	8.4	7.5	5.6	5.2	8.5	8.4	7.8	6.2	26.0
	28.0												5.0	8.3	8.3	7.5	5.8	28.0
	30.0													8.3	8.3	7.4	5.5	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	10.0	9.5	11.5	11.2	11.2	11.1	10.2	10.0		11.3	11.3		10.3				12.0
	14.0	9.1	8.7	10.9	10.7	10.6	10.5	9.4	9.2	8.8	10.8	10.8	10.7	9.6	10.5	9.3	8.8	14.0
	16.0	8.4	8.0	10.4	10.2	10.1	9.7	8.7	8.5	8.1	10.4	10.3	10.3	8.9	9.9	8.7	8.2	16.0
	18.0	7.7	7.3	9.9	9.7	9.7	8.9	8.1	7.9	7.4	10.0	9.9	9.9	8.3	9.1	8.1	7.6	18.0
	20.0	7.2	6.8	9.6	9.3	9.2	8.2	7.5	7.2	6.7	9.6	9.5	9.4	7.8	8.5	7.5	6.9	20.0
	22.0	6.7	6.3	9.2	8.9	8.7	7.6	7.1	6.6	6.1	9.2	9.1	9.0	7.4	7.9	6.9	6.4	22.0
	24.0	6.3	5.9	8.9	8.5	8.0	7.1	6.7	6.1	5.6	8.8	8.7	8.4	7.0	7.2	6.4	5.9	24.0
	26.0	6.0	5.6	8.7	8.1	7.3	6.7	6.3	5.6	5.2	8.5	8.4	7.9	6.6	6.7	6.0	5.4	26.0
	28.0	5.7	5.3	8.5	7.8	6.8	6.3	6.0	5.2	4.8	8.2	8.1	7.3	6.3	6.1	5.6	5.1	28.0
	30.0	5.4	5.1	8.3	7.6	6.3	5.9	5.8	4.9	4.4	7.9	7.7	6.8	6.1	5.7	5.2	4.7	30.0
	32.0			7.5	7.4	5.9	5.6	5.5	4.5	4.1	7.7	7.3	6.4	5.8	5.3	4.9	4.4	32.0
	34.0			6.6	7.4	5.5	5.4	5.3	4.3	3.8	7.0	6.8	6.0	5.6	4.9	4.6	4.1	34.0
	36.0									3.6	6.2	6.4	5.7	5.4	4.5	4.4	3.9	36.0
	38.0										5.4	5.7	5.4	5.2	4.2	4.1	3.7	38.0
	40.0																3.5	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	42.2 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	10.9	10.8	9.7	10.7	10.6	9.5											14.0
16.0	10.4	10.4	9.1	10.3	10.0	8.9	8.8	8.3	10.4	10.3	9.0	10.1	8.9				16.0
18.0	10.1	10.0	8.5	9.9	9.3	8.3	8.3	7.8	10.0	10.0	8.5	9.5	8.4	7.9	9.8	9.6	18.0
20.0	9.7	9.7	8.1	9.6	8.7	7.8	7.8	7.2	9.7	9.6	8.0	8.9	7.9	7.3	9.5	9.1	20.0
22.0	9.3	9.3	7.6	9.2	8.2	7.3	7.2	6.7	9.4	9.3	7.5	8.4	7.4	6.8	9.3	8.6	22.0
24.0	9.0	9.0	7.3	8.7	7.6	6.8	6.7	6.2	9.1	9.0	7.0	7.9	6.9	6.4	8.9	8.1	24.0
26.0	8.6	8.6	6.9	8.2	7.0	6.3	6.3	5.8	8.8	8.5	6.6	7.3	6.5	6.0	8.6	7.6	26.0
28.0	8.4	8.3	6.6	7.7	6.5	5.9	5.8	5.4	8.5	8.0	6.2	6.8	6.1	5.7	8.1	7.1	28.0
30.0	8.1	8.1	6.3	7.2	6.1	5.6	5.4	5.0	8.2	7.6	5.9	6.4	5.7	5.3	7.7	6.7	30.0
32.0	7.5	7.7	6.1	6.7	5.7	5.3	4.9	4.7	7.4	7.1	5.5	6.0	5.3	5.0	7.2	6.3	32.0
34.0	6.6	6.8	5.9	6.2	5.3	5.0	4.6	4.4	6.4	6.7	5.3	5.6	4.9	4.7	6.5	5.9	34.0
36.0	5.8	6.0	5.7	5.7	5.0	4.7	4.2	4.0	5.6	6.0	5.0	5.3	4.6	4.3	5.7	5.6	36.0
38.0	5.1	5.2	5.5	5.3	4.7	4.5	3.9	3.7	4.9	5.2	4.8	4.9	4.3	4.0	4.9	5.3	38.0
40.0	4.4	4.6	5.1	5.0	4.4	4.3	3.7	3.5	4.3	4.6	4.5	4.6	4.0	3.8	4.3	4.7	40.0
42.0	3.8	4.0	4.5	4.5	4.1	4.1	3.4	3.2	3.7	4.0	4.3	4.3	3.7	3.5	3.7	4.2	42.0
44.0								3.0	3.2	3.5	4.1	4.0	3.5	3.3	3.2	3.6	44.0
46.0									2.7	3.0	3.6	3.6	3.3	3.1	2.7	3.2	46.0
48.0														2.9	2.3	2.7	48.0
50.0															1.9	2.4	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	30	30	30	30	30	30	30	30									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	8.5	8.4															18.0
20.0	8.0	7.9	7.4	9.0	8.0		7.2										20.0
22.0	7.5	7.4	6.9	8.6	7.5	6.4	7.2	5.2									22.0
24.0	7.0	7.0	6.5	8.1	7.1	6.4	7.1	5.2									24.0
26.0	6.7	6.6	6.1	7.7	6.7	6.2	6.8	5.2									26.0
28.0	6.3	6.2	5.8	7.2	6.4	5.9	6.5	5.2									28.0
30.0	5.9	5.9	5.5	6.9	6.0	5.6	6.2	5.2									30.0
32.0	5.6	5.5	5.2	6.5	5.7	5.3	5.8	5.2									32.0
34.0	5.2	5.2	4.9	6.1	5.4	5.0	5.5	5.1									34.0
36.0	4.9	4.9	4.6	5.7	5.1	4.8	5.2	4.9									36.0
38.0	4.6	4.5	4.3	5.1	4.8	4.5	4.9	4.6									38.0
40.0	4.3	4.3	4.1	4.4	4.5	4.2	4.6	4.4									40.0
42.0	4.1	4.0	3.8	3.9	4.3	4.0	4.1	4.0									42.0
44.0	3.8	3.8	3.5	3.3	3.8	3.8	3.6	3.5									44.0
46.0	3.6	3.6	3.2	2.9	3.4	3.4	3.1	3.0									46.0
48.0	3.1	3.3	3.0	2.5	3.0	3.0	2.7	2.6									48.0
50.0	2.8	3.0	2.8	2.1	2.6	2.6	2.3	2.2									50.0
54.0			2.3	1.4	1.9	1.9	1.6	1.5									54.0
58.0						1.3	1.0										58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	10.5																9.0
10.0	10.1	10.4	10.4	10.4	10.4	10.3		10.5									10.0
12.0	9.4	9.8	9.7	9.7	9.7	9.6	10.0	9.9	9.9	9.8	9.4	9.0	10.1	10.1	9.9	9.9	12.0
14.0	8.9	9.3	9.2	9.2	9.2	9.2	9.5	9.5	9.5	9.4	8.5	8.2	9.7	9.6	9.5	9.5	14.0
16.0	8.5	8.8	8.8	8.8	8.8	8.7	9.1	9.1	9.1	9.0	7.8	7.4	9.3	9.3	9.2	9.1	16.0
18.0	8.4	8.5	8.5	8.5	8.5	8.4	8.8	8.8	8.7	8.6	7.2	6.8	9.0	9.0	8.9	8.4	18.0
20.0		8.4	8.4	8.4	8.4	8.0	8.5	8.5	8.5	8.3	6.7	6.3	8.7	8.7	8.6	7.7	20.0
22.0		8.4	8.3	8.3	8.4	7.6	8.4	8.4	8.4	8.0	6.3	5.9	8.5	8.5	8.2	7.1	22.0
24.0							8.4	8.4	8.4	7.7	5.9	5.6	8.4	8.4	8.0	6.6	24.0
26.0												5.2	8.3	8.3	7.8	6.2	26.0
28.0													8.3	8.3	7.6	5.8	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	9.5	9.1	10.2	10.0													12.0
14.0	8.7	8.3	9.8	9.6	9.6	9.5	8.9	8.8	8.3	9.7	9.7	9.7	9.0	9.5	8.8		14.0
16.0	8.1	7.7	9.4	9.3	9.3	9.2	8.3	8.2	7.8	9.4	9.4	9.3	8.4	9.2	8.3	7.8	16.0
18.0	7.5	7.1	9.1	9.0	9.0	8.7	7.7	7.6	7.2	9.1	9.1	9.1	7.9	8.8	7.8	7.4	18.0
20.0	7.0	6.6	8.9	8.8	8.7	8.1	7.3	7.1	6.7	8.9	8.9	8.8	7.5	8.2	7.4	6.8	20.0
22.0	6.6	6.2	8.7	8.5	8.4	7.5	6.9	6.6	6.1	8.7	8.6	8.6	7.1	7.7	6.9	6.3	22.0
24.0	6.2	5.9	8.5	8.2	7.9	7.0	6.5	6.1	5.6	8.4	8.4	8.3	6.8	7.2	6.4	5.8	24.0
26.0	6.0	5.6	8.4	8.0	7.3	6.6	6.2	5.6	5.1	8.2	8.1	7.8	6.5	6.6	5.9	5.4	26.0
28.0	5.7	5.3	8.3	7.8	6.8	6.2	6.0	5.2	4.7	8.0	7.9	7.2	6.2	6.1	5.5	5.0	28.0
30.0			8.3	7.6	6.4	5.9	5.8	4.9	4.4	7.8	7.6	6.8	6.0	5.7	5.2	4.7	30.0
32.0			7.6	7.5	5.9	5.6	5.6	4.6	4.1	7.7	7.2	6.4	5.8	5.3	4.9	4.4	32.0
34.0									3.8	7.0	6.8	6.0	5.6	4.9	4.6	4.1	34.0
36.0										6.2						3.9	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	42.2 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	9.4	9.4	8.6	9.4	9.3	8.4	8.4		9.4	9.4	8.5						16.0
18.0	9.2	9.2	8.1	9.1	8.9	8.0	7.9	7.5	9.2	9.1	8.1	9.0	8.0	7.5	9.1	9.0	18.0
20.0	9.0	9.0	7.7	8.9	8.5	7.6	7.5	7.1	9.0	8.9	7.7	8.6	7.6	7.2	8.9	8.7	20.0
22.0	8.7	8.7	7.3	8.7	8.0	7.2	7.1	6.6	8.8	8.7	7.3	8.1	7.3	6.7	8.7	8.3	22.0
24.0	8.5	8.5	7.0	8.4	7.5	6.7	6.6	6.1	8.6	8.6	6.9	7.7	6.8	6.3	8.5	7.9	24.0
26.0	8.3	8.3	6.7	8.1	7.0	6.3	6.2	5.7	8.4	8.2	6.5	7.3	6.4	5.9	8.3	7.5	26.0
28.0	8.1	8.1	6.5	7.6	6.5	5.9	5.8	5.4	8.2	7.9	6.1	6.8	6.0	5.6	8.0	7.1	28.0
30.0	7.9	7.9	6.2	7.2	6.1	5.5	5.3	5.0	8.0	7.5	5.8	6.4	5.6	5.3	7.6	6.7	30.0
32.0	7.6	7.7	6.0	6.7	5.7	5.2	4.9	4.7	7.5	7.1	5.5	6.0	5.3	4.9	7.2	6.3	32.0
34.0	6.7	6.9	5.9	6.3	5.3	5.0	4.6	4.4	6.6	6.6	5.2	5.6	4.9	4.6	6.6	5.9	34.0
36.0	5.9	6.0	5.7	5.8	5.0	4.7	4.3	4.1	5.7	6.1	5.0	5.3	4.6	4.3	5.8	5.6	36.0
38.0	5.1	5.3	5.6	5.4	4.7	4.5	3.9	3.8	5.0	5.3	4.8	4.9	4.3	4.0	5.1	5.3	38.0
40.0								3.5	4.3	4.7	4.6	4.6	4.0	3.8	4.4	4.8	40.0
42.0								3.2	3.7	4.1	4.4	4.3	3.8	3.5	3.8	4.2	42.0
44.0														3.3	3.3	3.7	44.0
46.0														3.1	2.8	3.2	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	40	40	40	40	40	40	40	40									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	8.0	8.0															18.0
20.0	7.7	7.6		8.6	7.8												20.0
22.0	7.3	7.3	6.7	8.4	7.4	6.7	7.4										22.0
24.0	6.9	6.9	6.4	8.0	7.0	6.4	7.0	5.9									24.0
26.0	6.5	6.5	6.0	7.6	6.6	6.1	6.7	5.9									26.0
28.0	6.2	6.1	5.7	7.2	6.3	5.8	6.4	5.9									28.0
30.0	5.9	5.8	5.4	6.8	6.0	5.5	6.1	5.6									30.0
32.0	5.5	5.5	5.1	6.4	5.7	5.2	5.8	5.4									32.0
34.0	5.2	5.2	4.9	6.1	5.4	5.0	5.5	5.1									34.0
36.0	4.9	4.8	4.6	5.7	5.1	4.7	5.2	4.9									36.0
38.0	4.6	4.5	4.3	5.2	4.8	4.5	4.9	4.6									38.0
40.0	4.3	4.3	4.1	4.5	4.5	4.3	4.7	4.4									40.0
42.0	4.1	4.0	3.8	3.9	4.3	4.0	4.2	4.1									42.0
44.0	3.9	3.8	3.5	3.4	3.9	3.8	3.6	3.6									44.0
46.0	3.6	3.5	3.3	2.9	3.4	3.5	3.2	3.1									46.0
48.0			3.0	2.5	3.0	3.0	2.7	2.7									48.0
50.0			2.8	2.1	2.6	2.6	2.3	2.3									50.0
54.0						1.9	1.6	1.6									54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6								3.0
	3.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6						3.5
	4.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6		4.0
	4.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	4.5
	5.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	6.0
	7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	7.0
	8.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.0	15.2	16.6	16.6	16.6	16.6	8.0
	9.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	14.7	13.9	16.6	16.6	16.6	16.6	9.0
	10.0	15.9	16.6	16.6	16.6	16.6	15.7	16.6	16.6	16.6	16.6	13.6	12.9	16.6	16.6	16.6	15.5	10.0
	12.0	13.7	15.9	15.7	15.7	15.7	13.5	16.6	16.6	16.6	15.0	11.7	11.1	16.6	16.6	16.3	13.5	12.0
	14.0	12.1	14.1	13.9	13.9	13.9	11.9	15.6	15.5	15.4	13.2	10.2	9.6	16.6	16.6	14.5	11.7	14.0
	16.0	10.7	12.6	12.5	12.5	12.5	10.7	14.1	14.0	13.9	11.9	9.1	8.6	15.2	15.1	12.9	10.3	16.0
	18.0	9.6	11.5	11.3	11.3	11.3	9.7	12.8	12.7	12.6	10.8	8.2	7.7	13.9	13.8	11.8	9.3	18.0
	20.0	8.8	10.4	10.2	10.2	10.2	8.8	11.8	11.7	11.6	9.9	7.4	7.0	12.4	12.7	10.8	8.4	20.0
	22.0		9.5	9.4	9.4	9.4	8.1	10.6	10.7	10.7	9.1	6.8	6.4	10.6	11.4	10.0	7.7	22.0
	24.0		8.9	8.8	8.8	8.7	7.6	9.1	9.8	9.9	8.4	6.2	5.9	9.0	9.9	9.4	7.1	24.0
	26.0							7.9	8.6	9.1	7.9	5.8	5.4	7.8	8.6	8.7	6.5	26.0
	28.0							6.9	7.6	8.1	7.5	5.4	5.1	6.7	7.6	8.2	6.0	28.0
	30.0												4.7	5.8	6.7	7.3	5.6	30.0
	32.0													5.0	5.9	6.6	5.2	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5	16.6																4.5
	5.0	16.6	16.6	16.6	16.6	16.6												5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.4		16.6	16.6						6.0
	7.0	16.6	16.4	16.6	16.6	16.6	16.6	16.6	15.4	13.4	16.6	16.6	16.6	15.9	15.2	13.6		7.0
	8.0	16.6	15.6	16.6	16.6	16.6	16.6	16.6	15.2	13.3	16.6	16.6	16.6	15.8	15.2	13.6	11.8	8.0
	9.0	15.5	14.6	16.6	16.6	16.6	16.6	15.9	14.6	13.0	16.6	16.6	16.6	15.6	15.2	13.6	11.8	9.0
	10.0	14.4	13.6	16.6	16.6	16.6	16.2	15.1	13.9	12.6	16.6	16.6	16.6	15.3	14.9	13.3	11.8	10.0
	12.0	12.6	11.9	16.6	16.6	15.9	14.1	13.2	12.2	11.3	16.6	16.6	15.9	14.0	14.0	12.3	11.3	12.0
	14.0	11.1	10.5	16.6	15.5	14.1	12.6	11.9	10.8	9.9	16.3	16.0	14.6	12.4	12.6	11.1	10.3	14.0
	16.0	9.8	9.3	16.1	14.0	12.5	11.2	10.7	9.5	8.8	15.0	14.7	13.2	11.3	11.3	10.0	9.2	16.0
	18.0	8.9	8.4	14.8	12.7	11.1	10.0	9.6	8.5	7.8	13.7	13.5	11.8	10.3	10.1	9.1	8.3	18.0
	20.0	8.1	7.6	12.6	11.7	10.0	9.1	8.8	7.6	7.0	12.6	12.4	10.7	9.4	9.0	8.2	7.5	20.0
	22.0	7.5	7.0	10.7	10.8	9.0	8.3	8.1	7.0	6.3	10.9	11.2	9.7	8.7	8.1	7.4	6.8	22.0
	24.0	6.9	6.5	9.2	10.1	8.2	7.7	7.5	6.3	5.8	9.4	9.7	8.9	8.1	7.4	6.8	6.2	24.0
	26.0	6.4	6.0	7.9	8.8	7.6	7.1	7.0	5.8	5.3	8.2	8.5	8.2	7.6	6.8	6.3	5.7	26.0
	28.0	5.9	5.6	6.8	7.8	7.0	6.6	6.6	5.4	4.9	7.1	7.4	7.6	7.1	6.2	5.8	5.3	28.0
	30.0	5.5	5.2	5.9	6.9	6.4	6.2	6.1	4.9	4.5	6.2	6.5	6.7	6.7	5.8	5.4	4.9	30.0
	32.0	5.2	5.0	5.1	6.1	5.9	5.8	5.7	4.6	4.1	5.4	5.7	5.9	6.2	5.3	5.0	4.5	32.0
	34.0		4.7	4.4	5.4	5.5	5.4	5.4	4.3	3.8	4.7	5.0	5.2	5.5	4.9	4.7	4.2	34.0
	36.0			3.8	4.8	5.0	5.1	5.1	4.0	3.6	4.1	4.4	4.6	4.9	4.5	4.4	3.9	36.0
	38.0									3.4	3.5	3.8	4.0	4.4	4.2	4.2	3.7	38.0
	40.0										3.1	3.4	3.6	3.9	4.0	4.0	3.5	40.0
	42.0																3.3	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	16.4	15.9	14.7	15.4	14.1	13.3	12.1										8.0
	9.0	16.3	15.9	14.6	15.4	14.1	13.3	12.1	10.0	13.7	13.0	11.8	12.2	11.0				9.0
	10.0	16.2	15.8	14.5	15.4	14.1	13.3	12.1	10.0	13.7	13.0	11.8	12.2	11.0	9.0	11.1	10.4	10.0
	12.0	15.8	15.5	14.2	15.1	13.7	12.5	12.0	10.0	13.7	13.0	11.8	12.2	11.0	9.0	11.1	10.4	12.0
	14.0	15.4	15.1	13.1	14.4	12.8	11.5	11.2	10.0	13.7	13.0	11.3	12.2	10.9	9.0	11.1	10.4	14.0
	16.0	15.0	14.7	11.8	13.4	11.6	10.5	10.3	9.6	13.4	12.8	10.6	11.6	10.3	9.0	11.1	10.4	16.0
	18.0	14.2	14.0	10.9	12.3	10.6	9.6	9.4	8.7	13.2	12.2	9.8	10.8	9.6	8.8	11.1	10.4	18.0
	20.0	12.4	12.6	10.1	11.2	9.6	8.8	8.5	8.0	12.1	11.5	9.1	9.9	8.8	8.2	10.9	9.9	20.0
	22.0	10.5	10.7	9.3	10.3	8.7	8.0	7.6	7.3	10.3	10.6	8.4	9.1	8.1	7.6	10.2	9.3	22.0
	24.0	9.0	9.1	8.6	9.4	7.9	7.3	6.9	6.7	8.7	9.1	7.8	8.4	7.4	7.0	8.7	8.7	24.0
	26.0	7.7	7.9	8.1	8.3	7.3	6.8	6.3	6.1	7.4	7.8	7.2	7.7	6.7	6.4	7.4	7.9	26.0
	28.0	6.6	6.8	7.3	7.3	6.7	6.3	5.8	5.6	6.3	6.7	6.7	7.1	6.2	5.9	6.3	6.8	28.0
	30.0	5.7	5.9	6.4	6.3	6.2	5.9	5.3	5.1	5.4	5.8	6.3	6.4	5.7	5.4	5.4	5.9	30.0
	32.0	4.9	5.0	5.6	5.5	5.8	5.5	4.9	4.7	4.6	5.0	5.6	5.6	5.3	5.0	4.6	5.0	32.0
	34.0	4.2	4.3	4.9	4.8	5.2	5.2	4.6	4.3	3.9	4.3	4.9	4.9	4.9	4.7	3.9	4.3	34.0
	36.0	3.6	3.7	4.2	4.2	4.6	4.8	4.2	4.0	3.3	3.7	4.3	4.3	4.6	4.3	3.3	3.7	36.0
	38.0	3.0	3.2	3.7	3.7	4.0	4.4	3.9	3.7	2.8	3.1	3.7	3.7	4.2	4.0	2.7	3.2	38.0
	40.0	2.6	2.7	3.2	3.2	3.6	3.9	3.6	3.4	2.3	2.6	3.2	3.2	3.7	3.7	2.3	2.7	40.0
	42.0	2.1	2.3	2.8	2.8	3.1	3.4	3.4	3.2	1.9	2.2	2.8	2.8	3.3	3.2	1.8	2.3	42.0
	44.0	1.8	1.9	2.4	2.4	2.8	3.1	3.2	3.0	1.5	1.8	2.4	2.4	2.9	2.8	1.4	1.9	44.0
	46.0		1.6	2.1					2.8	1.2	1.5	2.1	2.1	2.5	2.5	1.1	1.5	46.0
	48.0								2.5		1.2	1.8	1.8	2.2	2.2		1.2	48.0
	50.0											1.5			1.9			50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	0	0	0	0	0	0	0	0									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0	9.7	9.6															10.0
	12.0	9.7	9.6	7.6	9.0	8.3		7.2										12.0
	14.0	9.7	9.6	7.6	9.0	8.3	6.4	7.2	5.2									14.0
	16.0	9.7	9.6	7.6	9.0	8.3	6.4	7.2	5.2									16.0
	18.0	9.4	9.3	7.6	9.0	8.3	6.4	7.2	5.2									18.0
	20.0	8.9	8.8	7.6	9.0	8.3	6.4	7.2	5.2									20.0
	22.0	8.3	8.2	7.4	9.0	8.1	6.4	7.2	5.2									22.0
	24.0	7.7	7.6	7.0	8.6	7.7	6.4	7.2	5.2									24.0
	26.0	7.1	7.1	6.6	7.5	7.2	6.4	7.1	5.2									26.0
	28.0	6.6	6.5	6.2	6.4	6.8	6.2	6.6	5.2									28.0
	30.0	6.1	6.1	5.8	5.5	6.0	5.9	5.7	5.2									30.0
	32.0	5.5	5.6	5.4	4.7	5.2	5.2	4.9	4.5									32.0
	34.0	4.8	5.0	4.9	4.0	4.5	4.5	4.2	3.9									34.0
	36.0	4.2	4.4	4.3	3.4	3.9	3.9	3.5	3.3									36.0
	38.0	3.6	3.9	3.8	2.8	3.4	3.3	3.0	2.8									38.0
	40.0	3.1	3.4	3.3	2.3	2.9	2.8	2.5	2.4									40.0
	42.0	2.7	2.9	2.8	1.9	2.4	2.4	2.1	1.9									42.0
	44.0	2.3	2.6	2.5	1.5	2.1	2.0	1.7	1.6									44.0
	46.0	2.0	2.2	2.1	1.2	1.7	1.7	1.4	1.2									46.0
	48.0	1.7	1.9	1.8		1.4	1.3	1.0										48.0
	50.0	1.4	1.6	1.5		1.1	1.0											50.0
	54.0			1.0														54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	11.4 m	31.6 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0	16.6																4.0
4.5	16.6	16.6	16.6	16.6	16.6												4.5
5.0	16.6	16.6	16.6	16.6	16.6	16.6											5.0
6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6			16.6			6.0
7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.8	15.1	16.6	16.6	16.6	16.6	7.0
8.0	16.1	16.6	16.6	16.6	16.6	16.5	16.6	16.6	16.6	16.6	14.5	13.9	16.6	16.6	16.6	16.6	8.0
9.0	14.9	16.3	16.3	16.2	16.2	15.3	16.6	16.6	16.6	16.2	13.4	12.8	16.6	16.6	16.6	15.7	9.0
10.0	13.8	15.4	15.3	15.3	15.2	14.3	16.3	16.2	16.2	15.2	12.5	11.9	16.6	16.6	15.9	14.5	10.0
12.0	12.2	13.6	13.5	13.5	13.5	12.5	14.7	14.6	14.6	13.5	11.0	10.4	15.5	15.4	14.2	12.7	12.0
14.0	11.0	12.3	12.2	12.2	12.2	11.2	13.3	13.2	13.2	12.1	9.7	9.2	14.2	14.1	12.9	11.3	14.0
16.0	10.0	11.2	11.1	11.1	11.1	10.1	12.2	12.1	12.1	11.0	8.7	8.2	13.0	12.9	11.8	10.0	16.0
18.0	9.2	10.4	10.3	10.3	10.3	9.2	11.3	11.2	11.2	10.1	7.9	7.4	12.1	12.0	10.8	9.0	18.0
20.0	8.6	9.6	9.5	9.5	9.5	8.5	10.5	10.4	10.4	9.3	7.2	6.8	11.3	11.2	10.1	8.2	20.0
22.0		9.0	8.9	8.9	8.9	7.9	9.9	9.8	9.7	8.7	6.6	6.2	10.6	10.5	9.4	7.5	22.0
24.0		8.6	8.6	8.6	8.6	7.5	9.3	9.2	9.2	8.1	6.1	5.7	9.3	9.9	8.8	6.9	24.0
26.0							8.1	8.8	8.8	7.7	5.7	5.3	8.1	8.8	8.3	6.4	26.0
28.0							7.0	7.7	8.2	7.4	5.4	5.0	7.0	7.8	7.9	5.9	28.0
30.0												4.7	6.0	6.8	7.4	5.5	30.0
32.0													5.1	6.0	6.6	5.2	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	16.0																7.0
8.0	14.9	14.1	16.6	16.6	16.6		15.2										8.0
9.0	13.9	13.2	16.6	16.6	16.6	16.0	14.2	13.9	13.0	16.6	16.6	16.4	14.5				9.0
10.0	13.0	12.3	16.6	16.5	16.2	14.9	13.4	13.1	12.3	16.5	16.4	16.0	13.7	14.6	13.0		10.0
12.0	11.5	10.9	15.9	14.8	14.6	13.1	12.0	11.7	10.8	15.4	15.2	15.0	12.4	13.3	11.8	11.0	12.0
14.0	10.3	9.8	14.7	13.6	13.3	11.7	10.8	10.3	9.5	14.1	13.9	13.7	11.2	12.0	10.6	9.8	14.0
16.0	9.3	8.8	13.6	12.5	12.1	10.6	9.9	9.3	8.5	13.0	12.9	12.6	10.3	10.9	9.6	8.8	16.0
18.0	8.4	8.0	12.7	11.5	10.8	9.6	9.0	8.3	7.7	12.2	12.0	11.4	9.5	9.9	8.7	8.0	18.0
20.0	7.8	7.3	11.8	10.7	9.8	8.8	8.3	7.5	6.9	11.3	11.2	10.4	8.8	8.9	7.9	7.3	20.0
22.0	7.2	6.7	11.1	10.0	8.9	8.1	7.7	6.8	6.2	10.6	10.5	9.5	8.1	8.0	7.2	6.6	22.0
24.0	6.7	6.3	9.5	9.4	8.1	7.5	7.2	6.3	5.7	9.7	9.8	8.7	7.6	7.3	6.7	6.1	24.0
26.0	6.2	5.8	8.2	8.9	7.5	6.9	6.7	5.7	5.2	8.5	8.7	8.0	7.2	6.7	6.2	5.6	26.0
28.0	5.8	5.5	7.1	8.0	6.9	6.5	6.3	5.3	4.8	7.4	7.6	7.5	6.8	6.2	5.7	5.2	28.0
30.0	5.5	5.1	6.1	7.0	6.4	6.1	6.0	4.9	4.4	6.4	6.7	6.9	6.4	5.7	5.3	4.8	30.0
32.0	5.2	4.9	5.3	6.2	5.9	5.7	5.6	4.5	4.1	5.6	5.9	6.1	6.1	5.3	5.0	4.5	32.0
34.0		4.7	4.6	5.5	5.5	5.4	5.3	4.3	3.8	4.8	5.1	5.4	5.7	4.9	4.6	4.2	34.0
36.0			3.9	4.9	5.1	5.1	5.1	4.0	3.6	4.2	4.5	4.7	5.0	4.5	4.4	3.9	36.0
38.0									3.4	3.6	3.9	4.1	4.5	4.2	4.1	3.7	38.0
40.0										3.1	3.4	3.6	4.0	4.0	3.9	3.5	40.0
42.0																3.3	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
↑ m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0	15.7		13.9														10.0
	12.0	15.1	14.9	12.7	14.6	13.3	12.1	11.7	10.0	13.6	13.0	11.7	12.2	11.0				12.0
	14.0	14.3	14.1	11.6	13.8	12.3	11.0	10.7	10.0	13.3	12.9	10.9	12.0	10.7	9.0	11.1	10.4	14.0
	16.0	13.3	13.3	10.7	12.9	11.2	10.0	9.8	9.1	13.0	12.5	10.1	11.3	9.9	9.0	11.1	10.4	16.0
	18.0	12.4	12.4	9.9	11.7	10.2	9.1	9.0	8.3	12.5	11.9	9.4	10.5	9.2	8.5	11.1	10.3	18.0
	20.0	11.7	11.7	9.2	10.8	9.4	8.4	8.2	7.6	11.9	11.1	8.7	9.6	8.5	7.9	10.8	9.7	20.0
	22.0	10.9	11.0	8.6	10.0	8.5	7.7	7.5	7.1	10.7	10.3	8.1	8.9	7.9	7.3	10.3	9.1	22.0
	24.0	9.3	9.5	8.1	9.2	7.8	7.1	6.9	6.5	9.1	9.4	7.5	8.2	7.2	6.8	9.1	8.5	24.0
	26.0	8.0	8.2	7.6	8.5	7.2	6.6	6.3	6.0	7.8	8.2	7.0	7.6	6.7	6.3	7.8	7.9	26.0
	28.0	6.9	7.1	7.2	7.5	6.6	6.1	5.8	5.6	6.7	7.0	6.5	7.0	6.2	5.8	6.7	7.1	28.0
	30.0	6.0	6.1	6.6	6.6	6.2	5.8	5.3	5.1	5.7	6.1	6.1	6.5	5.7	5.4	5.7	6.2	30.0
	32.0	5.1	5.3	5.8	5.8	5.7	5.4	4.9	4.7	4.9	5.2	5.7	5.8	5.3	5.0	4.9	5.3	32.0
	34.0	4.4	4.6	5.1	5.0	5.3	5.1	4.6	4.4	4.2	4.5	5.1	5.1	4.9	4.7	4.1	4.6	34.0
	36.0	3.8	3.9	4.4	4.4	4.7	4.8	4.2	4.0	3.5	3.9	4.5	4.4	4.6	4.3	3.5	3.9	36.0
	38.0	3.2	3.4	3.9	3.8	4.2	4.5	3.9	3.7	3.0	3.3	3.9	3.9	4.3	4.0	2.9	3.4	38.0
	40.0	2.7	2.9	3.3	3.3	3.7	4.0	3.6	3.4	2.5	2.8	3.4	3.4	3.8	3.7	2.4	2.9	40.0
	42.0	2.2	2.4	2.9	2.9	3.2	3.5	3.4	3.2	2.0	2.4	2.9	2.9	3.4	3.4	2.0	2.4	42.0
	44.0	1.8	2.0	2.5	2.5	2.8	3.1	3.2	3.0	1.6	2.0	2.5	2.5	3.0	3.0	1.6	2.0	44.0
	46.0								2.8	1.3	1.6	2.2	2.2	2.6	2.6	1.2	1.7	46.0
	48.0								2.6		1.3	1.9	1.8	2.3	2.3		1.3	48.0
	50.0														2.0		1.0	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	10	10	10	10	10	10	10	10									°
↑ m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	9.7	9.6		9.0	8.3												14.0
	16.0	9.7	9.6	7.6	9.0	8.3	6.4	7.2										16.0
	18.0	9.1	9.0	7.6	9.0	8.3	6.4	7.2	5.2									18.0
	20.0	8.6	8.5	7.6	9.0	8.3	6.4	7.2	5.2									20.0
	22.0	8.0	8.0	7.4	8.9	7.9	6.4	7.2	5.2									22.0
	24.0	7.5	7.4	6.9	8.4	7.5	6.4	7.2	5.2									24.0
	26.0	7.0	6.9	6.5	7.9	7.1	6.4	7.0	5.2									26.0
	28.0	6.5	6.4	6.1	6.8	6.7	6.1	6.7	5.2									28.0
	30.0	6.0	6.0	5.7	5.8	6.2	5.8	6.0	5.2									30.0
	32.0	5.6	5.6	5.3	5.0	5.5	5.5	5.2	4.8									32.0
	34.0	5.0	5.2	4.9	4.2	4.8	4.7	4.4	4.1									34.0
	36.0	4.4	4.6	4.5	3.6	4.1	4.1	3.8	3.6									36.0
	38.0	3.8	4.0	4.0	3.0	3.6	3.5	3.2	3.1									38.0
	40.0	3.3	3.5	3.5	2.5	3.1	3.0	2.7	2.6									40.0
	42.0	2.8	3.1	3.0	2.1	2.6	2.6	2.3	2.2									42.0
	44.0	2.4	2.7	2.6	1.7	2.2	2.2	1.9	1.8									44.0
	46.0	2.1	2.3	2.2	1.3	1.8	1.8	1.5	1.4									46.0
	48.0	1.7	2.0	1.9		1.5	1.5	1.2	1.1									48.0
	50.0	1.4	1.7	1.6		1.2	1.2											50.0
	54.0			1.1														54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	11.4 m	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0	15.8																6.0
	7.0	14.8	15.4	15.4	15.4	15.4	15.1											7.0
	8.0	13.8	14.6	14.5	14.5	14.5	14.3	15.0	15.0	14.9	14.6	13.4	12.8		15.3			8.0
	9.0	13.0	13.8	13.8	13.7	13.7	13.5	14.3	14.3	14.2	13.9	12.5	11.9	14.7	14.6	14.2	14.0	9.0
	10.0	12.3	13.1	13.1	13.1	13.0	12.8	13.7	13.6	13.6	13.3	11.7	11.1	14.1	14.0	13.6	13.4	10.0
	12.0	11.1	12.0	11.9	11.9	11.9	11.6	12.6	12.5	12.5	12.2	10.3	9.8	13.0	12.9	12.6	12.1	12.0
	14.0	10.1	11.0	10.9	10.9	10.9	10.5	11.6	11.6	11.5	11.2	9.2	8.8	12.1	12.1	11.7	10.8	14.0
	16.0	9.3	10.2	10.1	10.1	10.1	9.6	10.8	10.8	10.8	10.3	8.3	7.9	11.4	11.3	10.8	9.7	16.0
	18.0	8.8	9.6	9.5	9.5	9.5	8.9	10.2	10.1	10.1	9.5	7.6	7.2	10.7	10.6	10.1	8.7	18.0
	20.0	8.5	9.0	8.9	8.9	8.9	8.2	9.6	9.6	9.6	8.9	7.0	6.6	10.1	10.1	9.4	8.0	20.0
	22.0		8.6	8.6	8.6	8.6	7.7	9.1	9.1	9.1	8.3	6.4	6.1	9.7	9.6	8.9	7.3	22.0
	24.0		8.5	8.4	8.4	8.4	7.4	8.8	8.7	8.7	7.9	6.0	5.6	9.2	9.2	8.4	6.8	24.0
	26.0							8.3	8.5	8.5	7.6	5.6	5.3	8.3	8.8	8.0	6.3	26.0
	28.0							7.1	7.7	8.2	7.3	5.3	5.0	7.2	7.9	7.7	5.9	28.0
	30.0													6.1	6.9	7.5	5.5	30.0
	32.0													5.2	6.1	6.7	5.2	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0	12.6	12.1	14.9														9.0
	10.0	11.9	11.3	14.3	13.9	13.7	13.5	12.1										10.0
	12.0	10.7	10.1	13.3	12.9	12.8	12.4	11.0	10.8	10.2	13.1	13.0	12.9	11.2	12.4	10.9	10.2	12.0
	14.0	9.6	9.1	12.5	12.1	12.0	11.1	10.0	9.8	9.3	12.4	12.3	12.2	10.3	11.3	10.0	9.4	14.0
	16.0	8.8	8.3	11.8	11.3	11.2	10.1	9.2	8.9	8.3	11.7	11.6	11.5	9.5	10.3	9.2	8.5	16.0
	18.0	8.0	7.6	11.1	10.6	10.4	9.2	8.5	8.1	7.5	11.0	10.9	10.7	8.8	9.5	8.4	7.7	18.0
	20.0	7.4	7.0	10.5	9.9	9.6	8.5	7.9	7.4	6.8	10.4	10.3	10.0	8.2	8.8	7.7	7.1	20.0
	22.0	6.9	6.5	10.1	9.4	8.8	7.8	7.3	6.7	6.2	9.8	9.7	9.2	7.7	8.0	7.1	6.5	22.0
	24.0	6.5	6.1	9.6	8.9	8.1	7.3	6.9	6.2	5.6	9.3	9.2	8.6	7.3	7.3	6.5	6.0	24.0
	26.0	6.1	5.7	8.4	8.5	7.4	6.8	6.5	5.7	5.2	8.7	8.8	7.9	6.9	6.7	6.1	5.5	26.0
	28.0	5.7	5.4	7.3	8.1	6.8	6.4	6.2	5.3	4.8	7.6	7.8	7.4	6.5	6.1	5.6	5.1	28.0
	30.0	5.4	5.1	6.3	7.2	6.3	6.0	5.8	4.9	4.4	6.6	6.9	6.9	6.2	5.7	5.3	4.8	30.0
	32.0	5.2	4.9	5.5	6.4	5.9	5.6	5.6	4.5	4.1	5.8	6.0	6.3	5.9	5.3	4.9	4.4	32.0
	34.0			4.7	5.6	5.5	5.4	5.3	4.3	3.8	5.0	5.3	5.5	5.7	4.9	4.6	4.1	34.0
	36.0			4.0	4.9	5.1	5.1	5.1	4.0	3.6	4.3	4.6	4.8	5.1	4.5	4.4	3.9	36.0
	38.0									3.3	3.7	4.0	4.2	4.5	4.2	4.1	3.7	38.0
	40.0										3.2	3.5	3.7	4.0	4.0	3.9	3.5	40.0
	42.0																3.3	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	31.6 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	13.1	13.0	11.4														12.0
14.0	12.4	12.3	10.5	12.2	11.5	10.2	10.1		12.2	11.9	10.4	11.5	10.2				14.0
16.0	11.8	11.7	9.8	11.6	10.6	9.5	9.4	8.7	11.6	11.5	9.7	10.7	9.5	8.8	11.1	10.4	16.0
18.0	11.2	11.2	9.1	11.0	9.8	8.8	8.7	8.0	11.1	11.0	9.0	10.0	8.8	8.2	10.7	10.0	18.0
20.0	10.6	10.5	8.6	10.4	9.1	8.1	8.0	7.4	10.7	10.5	8.3	9.3	8.2	7.6	10.4	9.4	20.0
22.0	10.1	10.0	8.1	9.7	8.4	7.5	7.4	6.8	10.2	9.9	7.7	8.6	7.6	7.0	10.0	8.9	22.0
24.0	9.6	9.6	7.6	9.0	7.7	6.9	6.8	6.4	9.5	9.3	7.2	8.0	7.1	6.6	9.4	8.3	24.0
26.0	8.3	8.5	7.2	8.3	7.1	6.4	6.3	5.9	8.2	8.5	6.8	7.4	6.6	6.1	8.2	7.7	26.0
28.0	7.2	7.4	6.9	7.7	6.6	6.0	5.8	5.5	7.0	7.3	6.3	6.9	6.1	5.8	7.0	7.2	28.0
30.0	6.2	6.4	6.5	6.8	6.1	5.6	5.3	5.1	6.0	6.3	6.0	6.5	5.7	5.4	6.0	6.4	30.0
32.0	5.3	5.5	6.0	6.0	5.7	5.3	4.9	4.7	5.1	5.5	5.6	6.0	5.3	5.0	5.1	5.6	32.0
34.0	4.6	4.8	5.2	5.2	5.3	5.0	4.6	4.4	4.4	4.7	5.3	5.3	4.9	4.7	4.4	4.8	34.0
36.0	3.9	4.1	4.6	4.5	4.9	4.7	4.2	4.0	3.7	4.0	4.6	4.6	4.6	4.3	3.7	4.1	36.0
38.0	3.3	3.5	4.0	3.9	4.3	4.5	3.9	3.7	3.1	3.5	4.0	4.0	4.3	4.0	3.1	3.6	38.0
40.0	2.8	3.0	3.4	3.4	3.8	4.1	3.6	3.4	2.6	2.9	3.5	3.5	3.9	3.8	2.6	3.0	40.0
42.0	2.3	2.5	3.0	2.9	3.3	3.6	3.4	3.2	2.1	2.5	3.0	3.0	3.5	3.5	2.1	2.6	42.0
44.0	1.9	2.1	2.5	2.5	2.9	3.2	3.2	3.0	1.7	2.0	2.6	2.6	3.0	3.1	1.7	2.1	44.0
46.0								2.8	1.3	1.7	2.2	2.2	2.7	2.7	1.3	1.8	46.0
48.0										1.3	1.9	1.9	2.3	2.3		1.4	48.0
50.0														2.0		1.1	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	20	20	20	20	20	20	20	20									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	9.4	9.3															16.0
18.0	8.8	8.7	7.6	9.0	8.3		7.2										18.0
20.0	8.2	8.2	7.6	9.0	8.1	6.4	7.2	5.2									20.0
22.0	7.7	7.7	7.1	8.8	7.7	6.4	7.2	5.2									22.0
24.0	7.2	7.2	6.7	8.3	7.3	6.4	7.2	5.2									24.0
26.0	6.8	6.7	6.3	7.8	6.9	6.4	6.9	5.2									26.0
28.0	6.4	6.3	5.9	7.1	6.5	6.0	6.6	5.2									28.0
30.0	6.0	5.9	5.6	6.1	6.1	5.7	6.2	5.2									30.0
32.0	5.6	5.5	5.2	5.2	5.7	5.4	5.4	5.1									32.0
34.0	5.2	5.2	4.9	4.5	5.0	5.0	4.7	4.4									34.0
36.0	4.5	4.8	4.6	3.8	4.3	4.3	4.0	3.8									36.0
38.0	4.0	4.2	4.1	3.2	3.7	3.7	3.4	3.3									38.0
40.0	3.4	3.7	3.6	2.7	3.2	3.2	2.9	2.8									40.0
42.0	3.0	3.2	3.1	2.2	2.8	2.7	2.4	2.3									42.0
44.0	2.5	2.8	2.7	1.8	2.3	2.3	2.0	1.9									44.0
46.0	2.2	2.4	2.3	1.4	2.0	1.9	1.6	1.5									46.0
48.0	1.8	2.0	2.0	1.1	1.6	1.6	1.3	1.2									48.0
50.0	1.5	1.7	1.7		1.3	1.3											50.0
54.0			1.1														54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	31.6 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	12.2	12.6	12.6	12.6	12.5												8.0
9.0	11.6	12.0	12.0	12.0	12.0	11.8	12.3	12.3	12.2	12.0							9.0
10.0	11.1	11.5	11.5	11.5	11.5	11.4	11.8	11.8	11.8	11.6	11.0	10.5	12.1	12.0	11.8		10.0
12.0	10.1	10.7	10.7	10.7	10.6	10.5	11.1	11.0	11.0	10.8	9.8	9.4	11.3	11.3	11.1	11.0	12.0
14.0	9.4	10.0	9.9	9.9	9.9	9.9	10.4	10.4	10.4	10.2	8.9	8.4	10.7	10.6	10.5	10.3	14.0
16.0	8.8	9.4	9.4	9.4	9.4	9.2	9.8	9.8	9.8	9.7	8.0	7.7	10.2	10.1	10.0	9.4	16.0
18.0	8.4	9.0	8.9	8.9	8.9	8.6	9.4	9.3	9.3	9.1	7.4	7.0	9.7	9.6	9.5	8.6	18.0
20.0		8.6	8.5	8.5	8.5	8.0	9.0	8.9	8.9	8.5	6.8	6.4	9.3	9.3	9.0	7.8	20.0
22.0		8.4	8.4	8.4	8.4	7.6	8.7	8.6	8.6	8.1	6.3	6.0	9.0	8.9	8.5	7.2	22.0
24.0							8.4	8.4	8.4	7.7	5.9	5.6	8.7	8.6	8.1	6.7	24.0
26.0							8.3	8.4	8.4	7.5	5.6	5.2	8.5	8.4	7.8	6.2	26.0
28.0												5.0	7.3	8.0	7.5	5.8	28.0
30.0													6.2	7.0	7.4	5.5	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	10.0	9.5	11.5	11.2	11.2	11.1	10.2	10.0		11.3	11.3		10.3				12.0
14.0	9.1	8.7	10.9	10.7	10.6	10.5	9.4	9.2	8.8	10.8	10.8	10.7	9.6	10.5	9.3	8.8	14.0
16.0	8.4	8.0	10.4	10.2	10.1	9.7	8.7	8.5	8.1	10.4	10.3	10.3	8.9	9.9	8.7	8.2	16.0
18.0	7.7	7.3	9.9	9.7	9.7	8.9	8.1	7.9	7.4	10.0	9.9	9.9	8.3	9.1	8.1	7.6	18.0
20.0	7.2	6.8	9.6	9.3	9.2	8.2	7.5	7.2	6.7	9.6	9.5	9.4	7.8	8.5	7.5	6.9	20.0
22.0	6.7	6.3	9.2	8.9	8.7	7.6	7.1	6.6	6.1	9.2	9.1	9.0	7.4	7.9	6.9	6.4	22.0
24.0	6.3	5.9	8.9	8.5	8.0	7.1	6.7	6.1	5.6	8.8	8.7	8.4	7.0	7.2	6.4	5.9	24.0
26.0	6.0	5.6	8.7	8.1	7.3	6.7	6.3	5.6	5.2	8.5	8.4	7.9	6.6	6.7	6.0	5.4	26.0
28.0	5.7	5.3	7.5	7.8	6.8	6.3	6.0	5.2	4.8	7.8	8.0	7.3	6.3	6.1	5.6	5.1	28.0
30.0	5.4	5.1	6.5	7.3	6.3	5.9	5.8	4.9	4.4	6.8	7.0	6.8	6.1	5.7	5.2	4.7	30.0
32.0			5.6	6.4	5.9	5.6	5.5	4.5	4.1	5.9	6.2	6.4	5.8	5.3	4.9	4.4	32.0
34.0			4.8	5.6	5.5	5.4	5.3	4.3	3.8	5.1	5.4	5.6	5.6	4.9	4.6	4.1	34.0
36.0									3.6	4.4	4.7	4.9	5.2	4.5	4.4	3.9	36.0
38.0										3.8	4.0	4.3	4.6	4.2	4.1	3.7	38.0
40.0																3.5	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	10.9	10.8	9.7	10.7	10.6	9.5											14.0
	16.0	10.4	10.4	9.1	10.3	10.0	8.9	8.8	8.3	10.4	10.3	9.0	10.1	8.9				16.0
	18.0	10.1	10.0	8.5	9.9	9.3	8.3	8.3	7.8	10.0	10.0	8.5	9.5	8.4	7.9	9.8	9.6	18.0
	20.0	9.7	9.7	8.1	9.6	8.7	7.8	7.8	7.2	9.7	9.6	8.0	8.9	7.9	7.3	9.5	9.1	20.0
	22.0	9.3	9.3	7.6	9.2	8.2	7.3	7.2	6.7	9.4	9.3	7.5	8.4	7.4	6.8	9.3	8.6	22.0
↑ m	24.0	9.0	9.0	7.3	8.7	7.6	6.8	6.7	6.2	9.1	9.0	7.0	7.9	6.9	6.4	8.9	8.1	24.0
→	26.0	8.6	8.6	6.9	8.2	7.0	6.3	6.3	5.8	8.4	8.5	6.6	7.3	6.5	6.0	8.4	7.6	26.0
	28.0	7.4	7.6	6.6	7.7	6.5	5.9	5.8	5.4	7.3	7.6	6.2	6.8	6.1	5.7	7.3	7.1	28.0
	30.0	6.4	6.6	6.3	7.0	6.1	5.6	5.4	5.0	6.3	6.6	5.9	6.4	5.7	5.3	6.3	6.7	30.0
	32.0	5.5	5.7	6.1	6.1	5.7	5.3	4.9	4.7	5.4	5.7	5.5	6.0	5.3	5.0	5.4	5.8	32.0
	34.0	4.7	4.9	5.4	5.3	5.3	5.0	4.6	4.4	4.6	4.9	5.3	5.4	4.9	4.7	4.6	5.0	34.0
	36.0	4.0	4.2	4.7	4.6	5.0	4.7	4.2	4.0	3.9	4.2	4.8	4.7	4.6	4.3	3.9	4.3	36.0
	38.0	3.4	3.6	4.1	4.0	4.4	4.5	3.9	3.7	3.3	3.6	4.2	4.1	4.3	4.0	3.3	3.7	38.0
	40.0	2.9	3.0	3.5	3.5	3.8	4.1	3.7	3.5	2.7	3.0	3.6	3.6	4.0	3.8	2.7	3.2	40.0
	42.0	2.4	2.5	3.0	3.0	3.3	3.6	3.4	3.2	2.2	2.5	3.1	3.1	3.5	3.5	2.3	2.7	42.0
	44.0								3.0	1.8	2.1	2.7	2.6	3.1	3.1	1.8	2.2	44.0
	46.0									1.4	1.7	2.3	2.2	2.7	2.7	1.4	1.8	46.0
	48.0														2.4	1.0	1.5	48.0
	50.0																1.1	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
%	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	30	30	30	30	30	30	30	30									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	8.5	8.4															18.0
	20.0	8.0	7.9	7.4	9.0	8.0		7.2										20.0
	22.0	7.5	7.4	6.9	8.6	7.5	6.4	7.2	5.2									22.0
↑ m	24.0	7.0	7.0	6.5	8.1	7.1	6.4	7.1	5.2									24.0
→	26.0	6.7	6.6	6.1	7.7	6.7	6.2	6.8	5.2									26.0
	28.0	6.3	6.2	5.8	7.2	6.4	5.9	6.5	5.2									28.0
	30.0	5.9	5.9	5.5	6.4	6.0	5.6	6.2	5.2									30.0
	32.0	5.6	5.5	5.2	5.5	5.7	5.3	5.7	5.2									32.0
	34.0	5.2	5.2	4.9	4.7	5.2	5.0	4.9	4.7									34.0
	36.0	4.7	4.9	4.6	4.0	4.5	4.5	4.2	4.1									36.0
	38.0	4.1	4.3	4.3	3.4	3.9	3.9	3.6	3.5									38.0
	40.0	3.6	3.8	3.7	2.9	3.4	3.3	3.1	3.0									40.0
	42.0	3.1	3.3	3.2	2.4	2.9	2.9	2.6	2.5									42.0
	44.0	2.6	2.8	2.8	1.9	2.4	2.4	2.1	2.1									44.0
	46.0	2.2	2.4	2.4	1.5	2.0	2.0	1.8	1.7									46.0
	48.0	1.9	2.1	2.1	1.2	1.7	1.7	1.4	1.3									48.0
	50.0	1.5	1.7	1.7		1.3	1.3	1.1										50.0
	54.0			1.1														54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
%	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	11.4 m	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0	10.5																9.0
	10.0	10.1	10.4	10.4	10.4	10.4	10.3		10.5									10.0
	12.0	9.4	9.8	9.7	9.7	9.7	9.6	10.0	9.9	9.9	9.8	9.4	9.0	10.1	10.1	9.9	9.9	12.0
	14.0	8.9	9.3	9.2	9.2	9.2	9.2	9.5	9.5	9.5	9.4	8.5	8.2	9.7	9.6	9.5	9.5	14.0
	16.0	8.5	8.8	8.8	8.8	8.8	8.7	9.1	9.1	9.1	9.0	7.8	7.4	9.3	9.3	9.2	9.1	16.0
	18.0	8.4	8.5	8.5	8.5	8.5	8.4	8.8	8.8	8.7	8.6	7.2	6.8	9.0	9.0	8.9	8.4	18.0
	20.0		8.4	8.4	8.4	8.4	8.0	8.5	8.5	8.5	8.3	6.7	6.3	8.7	8.7	8.6	7.7	20.0
	22.0		8.4	8.3	8.3	8.4	7.6	8.4	8.4	8.4	8.0	6.3	5.9	8.5	8.5	8.2	7.1	22.0
	24.0							8.4	8.4	8.4	7.7	5.9	5.6	8.4	8.4	8.0	6.6	24.0
	26.0												5.2	8.3	8.3	7.8	6.2	26.0
	28.0													7.4	8.1	7.6	5.8	28.0
	30.0																	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	9.5	9.1	10.2	10.0													12.0
	14.0	8.7	8.3	9.8	9.6	9.6	9.5	8.9	8.8	8.3	9.7	9.7	9.7	9.0	9.5	8.8		14.0
	16.0	8.1	7.7	9.4	9.3	9.3	9.2	8.3	8.2	7.8	9.4	9.4	9.3	8.4	9.2	8.3	7.8	16.0
	18.0	7.5	7.1	9.1	9.0	9.0	8.7	7.7	7.6	7.2	9.1	9.1	9.1	7.9	8.8	7.8	7.4	18.0
	20.0	7.0	6.6	8.9	8.8	8.7	8.1	7.3	7.1	6.7	8.9	8.9	8.8	7.5	8.2	7.4	6.8	20.0
	22.0	6.6	6.2	8.7	8.5	8.4	7.5	6.9	6.6	6.1	8.7	8.6	8.6	7.1	7.7	6.9	6.3	22.0
	24.0	6.2	5.9	8.5	8.2	7.9	7.0	6.5	6.1	5.6	8.4	8.4	8.3	6.8	7.2	6.4	5.8	24.0
	26.0	6.0	5.6	8.4	8.0	7.3	6.6	6.2	5.6	5.1	8.2	8.1	7.8	6.5	6.6	5.9	5.4	26.0
	28.0	5.7	5.3	7.6	7.8	6.8	6.2	6.0	5.2	4.7	7.9	7.9	7.2	6.2	6.1	5.5	5.0	28.0
	30.0			6.6	7.4	6.4	5.9	5.8	4.9	4.4	6.9	7.1	6.8	6.0	5.7	5.2	4.7	30.0
	32.0			5.6	6.5	5.9	5.6	5.6	4.6	4.1	6.0	6.3	6.4	5.8	5.3	4.9	4.4	32.0
	34.0									3.8	5.2	5.4	5.6	5.6	4.9	4.6	4.1	34.0
	36.0										4.4						3.9	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	9.4	9.4	8.6	9.4	9.3	8.4	8.4		9.4	9.4	8.5						16.0
	18.0	9.2	9.2	8.1	9.1	8.9	8.0	7.9	7.5	9.2	9.1	8.1	9.0	8.0	7.5	9.1	9.0	18.0
	20.0	9.0	9.0	7.7	8.9	8.5	7.6	7.5	7.1	9.0	8.9	7.7	8.6	7.6	7.2	8.9	8.7	20.0
	22.0	8.7	8.7	7.3	8.7	8.0	7.2	7.1	6.6	8.8	8.7	7.3	8.1	7.3	6.7	8.7	8.3	22.0
	24.0	8.5	8.5	7.0	8.4	7.5	6.7	6.6	6.1	8.6	8.6	6.9	7.7	6.8	6.3	8.5	7.9	24.0
	26.0	8.3	8.3	6.7	8.1	7.0	6.3	6.2	5.7	8.4	8.2	6.5	7.3	6.4	5.9	8.3	7.5	26.0
	28.0	7.6	7.8	6.5	7.6	6.5	5.9	5.8	5.4	7.5	7.8	6.1	6.8	6.0	5.6	7.5	7.1	28.0
	30.0	6.6	6.8	6.2	7.1	6.1	5.5	5.3	5.0	6.5	6.8	5.8	6.4	5.6	5.3	6.5	6.7	30.0
	32.0	5.7	5.8	6.0	6.2	5.7	5.2	4.9	4.7	5.5	5.8	5.5	6.0	5.3	4.9	5.6	6.0	32.0
	34.0	4.8	5.0	5.5	5.4	5.3	5.0	4.6	4.4	4.7	5.0	5.2	5.5	4.9	4.6	4.7	5.1	34.0
	36.0	4.1	4.3	4.8	4.7	5.0	4.7	4.3	4.1	4.0	4.3	4.9	4.8	4.6	4.3	4.0	4.4	36.0
	38.0	3.5	3.6	4.1	4.1	4.4	4.5	3.9	3.8	3.3	3.7	4.2	4.2	4.3	4.0	3.4	3.8	38.0
	40.0								3.5	2.8	3.1	3.7	3.6	4.0	3.8	2.8	3.2	40.0
	42.0								3.2	2.3	2.6	3.2	3.1	3.6	3.5	2.3	2.7	42.0
	44.0														3.2	1.9	2.3	44.0
	46.0														2.7	1.4	1.9	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	40	40	40	40	40	40	40	40									°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	8.0	8.0															18.0
	20.0	7.7	7.6		8.6	7.8												20.0
	22.0	7.3	7.3	6.7	8.4	7.4	6.7	7.4										22.0
	24.0	6.9	6.9	6.4	8.0	7.0	6.4	7.0	5.9									24.0
	26.0	6.5	6.5	6.0	7.6	6.6	6.1	6.7	5.9									26.0
	28.0	6.2	6.1	5.7	7.2	6.3	5.8	6.4	5.9									28.0
	30.0	5.9	5.8	5.4	6.6	6.0	5.5	6.1	5.6									30.0
	32.0	5.5	5.5	5.1	5.7	5.7	5.2	5.8	5.4									32.0
	34.0	5.2	5.2	4.9	4.9	5.3	5.0	5.1	4.9									34.0
	36.0	4.8	4.8	4.6	4.2	4.6	4.6	4.4	4.3									36.0
	38.0	4.2	4.4	4.3	3.5	4.0	4.0	3.7	3.7									38.0
	40.0	3.6	3.8	3.8	3.0	3.5	3.5	3.2	3.1									40.0
	42.0	3.1	3.3	3.3	2.5	3.0	3.0	2.7	2.6									42.0
	44.0	2.7	2.9	2.9	2.0	2.5	2.5	2.2	2.2									44.0
	46.0	2.3	2.5	2.5	1.6	2.1	2.1	1.8	1.8									46.0
	48.0			2.1	1.2	1.7	1.7	1.4	1.4									48.0
	50.0			1.7		1.4	1.4	1.1	1.0									50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	11.4 m	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6								3.0
	3.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6						3.5
	4.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6		4.0
	4.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	4.5
	5.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	6.0
	7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	7.0
	8.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.0	15.2	16.6	16.6	16.6	16.6	8.0
	9.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	14.7	13.9	16.6	16.6	16.6	16.6	9.0
	10.0	15.9	16.6	16.6	16.6	16.6	15.7	16.6	16.6	16.6	16.6	13.6	12.9	16.6	16.6	16.6	15.5	10.0
	12.0	13.7	15.9	15.7	15.7	15.7	13.5	16.6	16.6	16.6	15.0	11.7	11.1	16.6	16.6	16.3	13.5	12.0
	14.0	12.1	14.1	13.9	13.9	13.9	11.9	15.6	15.5	15.4	13.2	10.2	9.6	16.6	16.6	14.5	11.7	14.0
	16.0	10.7	12.6	12.5	12.5	12.5	10.7	14.1	14.0	13.9	11.9	9.1	8.6	15.2	15.1	12.9	10.3	16.0
	18.0	9.6	11.5	11.3	11.3	11.3	9.7	12.8	12.7	12.6	10.8	8.2	7.7	13.1	13.8	11.8	9.3	18.0
	20.0	8.8	10.4	10.2	10.2	10.2	8.8	11.0	11.7	11.6	9.9	7.4	7.0	10.9	11.8	10.8	8.4	20.0
	22.0		9.5	9.4	9.4	9.4	8.1	9.3	10.0	10.6	9.1	6.8	6.4	9.2	10.1	10.0	7.7	22.0
	24.0		8.4	8.8	8.8	8.7	7.6	8.0	8.6	9.2	8.4	6.2	5.9	7.9	8.7	9.4	7.1	24.0
	26.0							6.8	7.5	8.0	7.9	5.8	5.4	6.7	7.5	8.2	6.5	26.0
	28.0							5.8	6.6	7.1	7.5	5.4	5.1	5.7	6.6	7.2	6.0	28.0
	30.0												4.7	4.8	5.7	6.4	5.6	30.0
	32.0													4.1	5.0	5.7	5.2	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5	16.6																4.5
	5.0	16.6	16.6	16.6	16.6	16.6												5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.4		16.6	16.6						6.0
	7.0	16.6	16.4	16.6	16.6	16.6	16.6	16.6	15.4	13.4	16.6	16.6	16.6	15.9	15.2	13.6		7.0
	8.0	16.6	15.6	16.6	16.6	16.6	16.6	16.6	15.2	13.3	16.6	16.6	16.6	15.8	15.2	13.6	11.8	8.0
	9.0	15.5	14.6	16.6	16.6	16.6	16.6	15.9	14.6	13.0	16.6	16.6	16.6	15.6	15.2	13.6	11.8	9.0
	10.0	14.4	13.6	16.6	16.6	16.6	16.2	15.1	13.9	12.6	16.6	16.6	16.6	15.3	14.9	13.3	11.8	10.0
	12.0	12.6	11.9	16.6	16.6	15.9	14.1	13.2	12.2	11.3	16.6	16.6	15.9	14.0	14.0	12.3	11.3	12.0
	14.0	11.1	10.5	16.6	15.5	14.1	12.6	11.9	10.8	9.9	16.3	16.0	14.6	12.4	12.6	11.1	10.3	14.0
	16.0	9.8	9.3	16.1	14.0	12.5	11.2	10.7	9.5	8.8	15.0	14.7	13.2	11.3	11.3	10.0	9.2	16.0
	18.0	8.9	8.4	13.3	12.7	11.1	10.0	9.6	8.5	7.8	13.6	13.5	11.8	10.3	10.1	9.1	8.3	18.0
	20.0	8.1	7.6	11.1	11.7	10.0	9.1	8.8	7.6	7.0	11.4	11.7	10.7	9.4	9.0	8.2	7.5	20.0
	22.0	7.5	7.0	9.4	10.3	9.0	8.3	8.1	7.0	6.3	9.6	9.9	9.7	8.7	8.1	7.4	6.8	22.0
	24.0	6.9	6.5	8.0	8.9	8.2	7.7	7.5	6.3	5.8	8.2	8.5	8.7	8.1	7.4	6.8	6.2	24.0
	26.0	6.4	6.0	6.8	7.7	7.6	7.1	7.0	5.8	5.3	7.1	7.4	7.6	7.6	6.8	6.3	5.7	26.0
	28.0	5.9	5.6	5.8	6.8	7.0	6.6	6.6	5.4	4.9	6.0	6.4	6.6	6.9	6.2	5.8	5.3	28.0
	30.0	5.5	5.2	4.9	5.9	6.2	6.2	6.1	4.9	4.5	5.2	5.5	5.7	6.1	5.8	5.4	4.9	30.0
	32.0	5.2	5.0	4.2	5.2	5.4	5.6	5.7	4.6	4.1	4.4	4.8	5.0	5.3	5.3	5.0	4.5	32.0
	34.0		4.7	3.6	4.5	4.8	5.0	5.2	4.3	3.8	3.8	4.1	4.3	4.7	4.8	4.7	4.2	34.0
	36.0			3.0	4.0	4.2	4.4	4.6	4.0	3.6	3.3	3.6	3.8	4.1	4.2	4.4	3.9	36.0
	38.0									3.4	2.8	3.1	3.3	3.6	3.7	4.0	3.7	38.0
	40.0										2.3	2.6	2.9	3.2	3.3	3.6	3.5	40.0
	42.0																3.2	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	16.4	15.9	14.7	15.4	14.1	13.3	12.1										8.0
	9.0	16.3	15.9	14.6	15.4	14.1	13.3	12.1	10.0	13.7	13.0	11.8	12.2	11.0				9.0
	10.0	16.2	15.8	14.5	15.4	14.1	13.3	12.1	10.0	13.7	13.0	11.8	12.2	11.0	9.0	11.1	10.4	10.0
	12.0	15.8	15.5	14.2	15.1	13.7	12.5	12.0	10.0	13.7	13.0	11.8	12.2	11.0	9.0	11.1	10.4	12.0
	14.0	15.4	15.1	13.1	14.4	12.8	11.5	11.2	10.0	13.7	13.0	11.3	12.2	10.9	9.0	11.1	10.4	14.0
	16.0	15.0	14.7	11.8	13.4	11.6	10.5	10.3	9.6	13.4	12.8	10.6	11.6	10.3	9.0	11.1	10.4	16.0
	18.0	13.1	13.3	10.9	12.3	10.6	9.6	9.4	8.7	12.6	12.2	9.8	10.8	9.6	8.8	11.1	10.4	18.0
	20.0	10.9	11.1	10.1	11.2	9.6	8.8	8.5	8.0	10.7	11.0	9.1	9.9	8.8	8.2	10.4	9.9	20.0
	22.0	9.2	9.3	9.3	9.8	8.7	8.0	7.6	7.3	8.9	9.3	8.4	9.1	8.1	7.6	8.9	9.3	22.0
	24.0	7.8	8.0	8.4	8.4	7.9	7.3	6.9	6.7	7.5	7.9	7.8	8.4	7.4	7.0	7.5	8.0	24.0
	26.0	6.6	6.7	7.3	7.3	7.3	6.8	6.3	6.1	6.3	6.7	7.2	7.3	6.7	6.4	6.3	6.8	26.0
	28.0	5.5	5.7	6.3	6.2	6.6	6.3	5.8	5.6	5.3	5.7	6.3	6.3	6.2	5.9	5.2	5.7	28.0
	30.0	4.7	4.9	5.4	5.4	5.8	5.9	5.3	5.1	4.4	4.8	5.4	5.4	5.7	5.4	4.4	4.9	30.0
	32.0	4.0	4.1	4.7	4.6	5.0	5.3	4.9	4.7	3.7	4.1	4.7	4.7	5.1	5.0	3.7	4.1	32.0
	34.0	3.3	3.5	4.0	4.0	4.4	4.7	4.6	4.3	3.1	3.4	4.0	4.0	4.5	4.5	3.0	3.5	34.0
	36.0	2.8	2.9	3.4	3.4	3.8	4.1	4.2	4.0	2.5	2.9	3.5	3.5	3.9	3.9	2.5	2.9	36.0
	38.0	2.3	2.4	3.0	2.9	3.3	3.6	3.8	3.7	2.0	2.4	3.0	3.0	3.4	3.4	2.0	2.4	38.0
	40.0	1.8	2.0	2.5	2.5	2.9	3.2	3.4	3.3	1.6	1.9	2.5	2.5	3.0	3.0	1.5	2.0	40.0
	42.0	1.5	1.6	2.1	2.1	2.5	2.8	3.0	2.9	1.2	1.5	2.1	2.1	2.6	2.6	1.2	1.6	42.0
	44.0	1.1	1.3	1.8	1.8	2.1	2.4	2.6	2.6		1.2	1.8	1.8	2.2	2.2		1.3	44.0
	46.0		1.0	1.5					2.2			1.5	1.5	1.9	1.9			46.0
	48.0								2.0			1.2	1.2	1.6	1.6			48.0
	50.0														1.3			50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	0	0	0	0	0	0	0	0									°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0	9.7	9.6															10.0
	12.0	9.7	9.6	7.6	9.0	8.3		7.2										12.0
	14.0	9.7	9.6	7.6	9.0	8.3	6.4	7.2	5.2									14.0
	16.0	9.7	9.6	7.6	9.0	8.3	6.4	7.2	5.2									16.0
	18.0	9.4	9.3	7.6	9.0	8.3	6.4	7.2	5.2									18.0
	20.0	8.9	8.8	7.6	9.0	8.3	6.4	7.2	5.2									20.0
	22.0	8.3	8.2	7.4	8.8	8.1	6.4	7.2	5.2									22.0
	24.0	7.7	7.6	7.0	7.5	7.7	6.4	7.2	5.2									24.0
	26.0	7.1	7.1	6.6	6.3	6.9	6.4	6.3	5.2									26.0
	28.0	6.2	6.4	6.2	5.3	5.9	5.7	5.4	4.9									28.0
	30.0	5.3	5.6	5.5	4.5	5.1	4.9	4.6	4.1									30.0
	32.0	4.6	4.8	4.7	3.8	4.3	4.2	3.9	3.5									32.0
	34.0	3.9	4.2	4.1	3.1	3.7	3.6	3.3	2.9									34.0
	36.0	3.4	3.6	3.5	2.6	3.1	3.1	2.7	2.4									36.0
	38.0	2.9	3.1	3.0	2.1	2.6	2.6	2.3	2.0									38.0
	40.0	2.4	2.7	2.6	1.6	2.2	2.1	1.8	1.6									40.0
	42.0	2.0	2.3	2.2	1.2	1.8	1.7	1.4	1.2									42.0
	44.0	1.7	1.9	1.8		1.4	1.4	1.1										44.0
	46.0	1.4	1.6	1.5		1.1	1.0											46.0
	48.0	1.1	1.3	1.2														48.0
	50.0		1.0															50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
m	3.0																	3.0
	3.5																	3.5
	4.0	16.6																4.0
	4.5	16.6	16.6	16.6	16.6	16.6												4.5
	5.0	16.6	16.6	16.6	16.6	16.6	16.6											5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6			16.6			6.0
	7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.8	15.1	16.6	16.6	16.6	16.6	7.0
	8.0	16.1	16.6	16.6	16.6	16.6	16.5	16.6	16.6	16.6	16.6	14.5	13.9	16.6	16.6	16.6	16.6	8.0
	9.0	14.9	16.3	16.3	16.2	16.2	15.3	16.6	16.6	16.6	16.2	13.4	12.8	16.6	16.6	16.6	15.7	9.0
	10.0	13.8	15.4	15.3	15.3	15.2	14.3	16.3	16.2	16.2	15.2	12.5	11.9	16.6	16.6	15.9	14.5	10.0
	12.0	12.2	13.6	13.5	13.5	13.5	12.5	14.7	14.6	14.6	13.5	11.0	10.4	15.5	15.4	14.2	12.7	12.0
	14.0	11.0	12.3	12.2	12.2	12.2	11.2	13.3	13.2	13.2	12.1	9.7	9.2	14.2	14.1	12.9	11.3	14.0
	16.0	10.0	11.2	11.1	11.1	11.1	10.1	12.2	12.1	12.1	11.0	8.7	8.2	13.0	12.9	11.8	10.0	16.0
	18.0	9.2	10.4	10.3	10.3	10.3	9.2	11.3	11.2	11.2	10.1	7.9	7.4	12.1	12.0	10.8	9.0	18.0
	20.0	8.6	9.6	9.5	9.5	9.5	8.5	10.5	10.4	10.4	9.3	7.2	6.8	11.3	11.2	10.1	8.2	20.0
	22.0		9.0	8.9	8.9	8.9	7.9	9.6	9.8	9.7	8.7	6.6	6.2	9.6	10.4	9.4	7.5	22.0
	24.0		8.6	8.6	8.6	8.6	7.5	8.2	8.9	9.2	8.1	6.1	5.7	8.2	8.9	8.8	6.9	24.0
	26.0							7.0	7.7	8.2	7.7	5.7	5.3	7.0	7.8	8.3	6.4	26.0
	28.0							6.0	6.7	7.2	7.4	5.4	5.0	5.9	6.8	7.4	5.9	28.0
	30.0												4.7	5.0	5.9	6.5	5.5	30.0
	32.0													4.2	5.1	5.8	5.2	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0	16.0																7.0
	8.0	14.9	14.1	16.6	16.6	16.6		15.2										8.0
	9.0	13.9	13.2	16.6	16.6	16.6	16.0	14.2	13.9	13.0	16.6	16.6	16.4	14.5				9.0
	10.0	13.0	12.3	16.6	16.5	16.2	14.9	13.4	13.1	12.3	16.5	16.4	16.0	13.7	14.6	13.0		10.0
	12.0	11.5	10.9	15.9	14.8	14.6	13.1	12.0	11.7	10.8	15.4	15.2	15.0	12.4	13.3	11.8	11.0	12.0
	14.0	10.3	9.8	14.7	13.6	13.3	11.7	10.8	10.3	9.5	14.1	13.9	13.7	11.2	12.0	10.6	9.8	14.0
	16.0	9.3	8.8	13.6	12.5	12.1	10.6	9.9	9.3	8.5	13.0	12.9	12.6	10.3	10.9	9.6	8.8	16.0
	18.0	8.4	8.0	12.7	11.5	10.8	9.6	9.0	8.3	7.7	12.2	12.0	11.4	9.5	9.9	8.7	8.0	18.0
	20.0	7.8	7.3	11.5	10.7	9.8	8.8	8.3	7.5	6.9	11.3	11.2	10.4	8.8	8.9	7.9	7.3	20.0
	22.0	7.2	6.7	9.7	10.0	8.9	8.1	7.7	6.8	6.2	10.0	10.3	9.5	8.1	8.0	7.2	6.6	22.0
	24.0	6.7	6.3	8.3	9.2	8.1	7.5	7.2	6.3	5.7	8.6	8.8	8.7	7.6	7.3	6.7	6.1	24.0
	26.0	6.2	5.8	7.1	8.0	7.5	6.9	6.7	5.7	5.2	7.4	7.6	7.8	7.2	6.7	6.2	5.6	26.0
	28.0	5.8	5.5	6.1	7.0	6.9	6.5	6.3	5.3	4.8	6.3	6.6	6.8	6.8	6.2	5.7	5.2	28.0
	30.0	5.5	5.1	5.2	6.1	6.3	6.1	6.0	4.9	4.4	5.4	5.7	5.9	6.3	5.7	5.3	4.8	30.0
	32.0	5.2	4.9	4.4	5.3	5.6	5.7	5.6	4.5	4.1	4.7	5.0	5.2	5.5	5.3	5.0	4.5	32.0
	34.0		4.7	3.7	4.7	4.9	5.1	5.3	4.3	3.8	4.0	4.3	4.5	4.8	4.9	4.6	4.2	34.0
	36.0			3.1	4.1	4.3	4.5	4.7	4.0	3.6	3.4	3.7	3.9	4.2	4.3	4.4	3.9	36.0
	38.0									3.4	2.9	3.2	3.4	3.7	3.8	4.1	3.7	38.0
	40.0										2.4	2.7	2.9	3.3	3.3	3.7	3.5	40.0
	42.0																3.3	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	27.1 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	15.7		13.9														10.0
12.0	15.1	14.9	12.7	14.6	13.3	12.1	11.7	10.0	13.6	13.0	11.7	12.2	11.0				12.0
14.0	14.3	14.1	11.6	13.8	12.3	11.0	10.7	10.0	13.3	12.9	10.9	12.0	10.7	9.0	11.1	10.4	14.0
16.0	13.3	13.3	10.7	12.9	11.2	10.0	9.8	9.1	13.0	12.5	10.1	11.3	9.9	9.0	11.1	10.4	16.0
18.0	12.4	12.4	9.9	11.7	10.2	9.1	9.0	8.3	12.5	11.9	9.4	10.5	9.2	8.5	11.1	10.3	18.0
20.0	11.4	11.5	9.2	10.8	9.4	8.4	8.2	7.6	11.2	11.1	8.7	9.6	8.5	7.9	10.8	9.7	20.0
22.0	9.6	9.7	8.6	10.0	8.5	7.7	7.5	7.1	9.4	9.7	8.1	8.9	7.9	7.3	9.3	9.1	22.0
24.0	8.1	8.3	8.1	8.7	7.8	7.1	6.9	6.5	7.9	8.3	7.5	8.2	7.2	6.8	7.9	8.3	24.0
26.0	6.9	7.1	7.6	7.5	7.2	6.6	6.3	6.0	6.7	7.0	7.0	7.6	6.7	6.3	6.7	7.1	26.0
28.0	5.9	6.0	6.6	6.5	6.6	6.1	5.8	5.6	5.6	6.0	6.5	6.6	6.2	5.8	5.6	6.1	28.0
30.0	5.0	5.1	5.7	5.6	6.0	5.8	5.3	5.1	4.7	5.1	5.7	5.7	5.7	5.4	4.7	5.2	30.0
32.0	4.2	4.4	4.9	4.8	5.2	5.4	4.9	4.7	4.0	4.3	4.9	4.9	5.3	5.0	4.0	4.4	32.0
34.0	3.5	3.7	4.2	4.2	4.5	4.8	4.6	4.4	3.3	3.6	4.3	4.2	4.7	4.7	3.3	3.7	34.0
36.0	3.0	3.1	3.6	3.6	3.9	4.2	4.2	4.0	2.7	3.1	3.7	3.6	4.1	4.1	2.7	3.1	36.0
38.0	2.4	2.6	3.1	3.1	3.4	3.7	3.9	3.7	2.2	2.5	3.1	3.1	3.6	3.6	2.2	2.6	38.0
40.0	2.0	2.1	2.6	2.6	3.0	3.3	3.5	3.4	1.8	2.1	2.7	2.7	3.1	3.1	1.7	2.2	40.0
42.0	1.6	1.7	2.2	2.2	2.6	2.8	3.0	3.0	1.3	1.7	2.3	2.2	2.7	2.7	1.3	1.8	42.0
44.0	1.2	1.4	1.9	1.8	2.2	2.5	2.7	2.6		1.3	1.9	1.9	2.3	2.3		1.4	44.0
46.0								2.3			1.6	1.5	2.0	2.0		1.1	46.0
48.0								2.0			1.3	1.2	1.7	1.7			48.0
50.0														1.4			50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	10	10	10	10	10	10	10	10									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	9.7	9.6		9.0	8.3												14.0
16.0	9.7	9.6	7.6	9.0	8.3	6.4	7.2										16.0
18.0	9.1	9.0	7.6	9.0	8.3	6.4	7.2	5.2									18.0
20.0	8.6	8.5	7.6	9.0	8.3	6.4	7.2	5.2									20.0
22.0	8.0	8.0	7.4	8.9	7.9	6.4	7.2	5.2									22.0
24.0	7.5	7.4	6.9	7.9	7.5	6.4	7.2	5.2									24.0
26.0	7.0	6.9	6.5	6.7	7.1	6.4	6.7	5.2									26.0
28.0	6.5	6.4	6.1	5.7	6.3	6.0	5.8	5.2									28.0
30.0	5.6	5.8	5.7	4.8	5.4	5.2	4.9	4.5									30.0
32.0	4.8	5.1	5.0	4.1	4.6	4.5	4.2	3.8									32.0
34.0	4.2	4.4	4.3	3.4	3.9	3.9	3.6	3.2									34.0
36.0	3.6	3.8	3.7	2.8	3.3	3.3	3.0	2.7									36.0
38.0	3.0	3.3	3.2	2.3	2.8	2.8	2.5	2.2									38.0
40.0	2.6	2.8	2.7	1.8	2.3	2.3	2.0	1.8									40.0
42.0	2.2	2.4	2.3	1.4	1.9	1.9	1.6	1.4									42.0
44.0	1.8	2.0	2.0	1.0	1.6	1.5	1.2	1.1									44.0
46.0	1.5	1.7	1.6		1.2	1.2											46.0
48.0	1.2	1.4	1.3														48.0
50.0		1.1	1.0														50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0	15.8																6.0
	7.0	14.8	15.4	15.4	15.4	15.4	15.1											7.0
	8.0	13.8	14.6	14.5	14.5	14.5	14.3	15.0	15.0	14.9	14.6	13.4	12.8		15.3			8.0
	9.0	13.0	13.8	13.8	13.7	13.7	13.5	14.3	14.3	14.2	13.9	12.5	11.9	14.7	14.6	14.2	14.0	9.0
	10.0	12.3	13.1	13.1	13.1	13.0	12.8	13.7	13.6	13.6	13.3	11.7	11.1	14.1	14.0	13.6	13.4	10.0
	12.0	11.1	12.0	11.9	11.9	11.9	11.6	12.6	12.5	12.5	12.2	10.3	9.8	13.0	12.9	12.6	12.1	12.0
	14.0	10.1	11.0	10.9	10.9	10.9	10.5	11.6	11.6	11.5	11.2	9.2	8.8	12.1	12.1	11.7	10.8	14.0
	16.0	9.3	10.2	10.1	10.1	10.1	9.6	10.8	10.8	10.8	10.3	8.3	7.9	11.4	11.3	10.8	9.7	16.0
	18.0	8.8	9.6	9.5	9.5	9.5	8.9	10.2	10.1	10.1	9.5	7.6	7.2	10.7	10.6	10.1	8.7	18.0
	20.0	8.5	9.0	8.9	8.9	8.9	8.2	9.6	9.6	9.6	8.9	7.0	6.6	10.1	10.1	9.4	8.0	20.0
	22.0		8.6	8.6	8.6	8.6	7.7	9.1	9.1	9.1	8.3	6.4	6.1	9.7	9.6	8.9	7.3	22.0
	24.0		8.5	8.4	8.4	8.4	7.4	8.4	8.7	8.7	7.9	6.0	5.6	8.4	9.2	8.4	6.8	24.0
	26.0							7.2	7.8	8.3	7.6	5.6	5.3	7.2	7.9	8.0	6.3	26.0
	28.0							6.1	6.7	7.2	7.3	5.3	5.0	6.1	6.9	7.5	5.9	28.0
	30.0													5.1	6.0	6.6	5.5	30.0
	32.0													4.3	5.2	5.8	5.2	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0	12.6	12.1	14.9														9.0
	10.0	11.9	11.3	14.3	13.9	13.7	13.5	12.1										10.0
	12.0	10.7	10.1	13.3	12.9	12.8	12.4	11.0	10.8	10.2	13.1	13.0	12.9	11.2	12.4	10.9	10.2	12.0
	14.0	9.6	9.1	12.5	12.1	12.0	11.1	10.0	9.8	9.3	12.4	12.3	12.2	10.3	11.3	10.0	9.4	14.0
	16.0	8.8	8.3	11.8	11.3	11.2	10.1	9.2	8.9	8.3	11.7	11.6	11.5	9.5	10.3	9.2	8.5	16.0
	18.0	8.0	7.6	11.1	10.6	10.4	9.2	8.5	8.1	7.5	11.0	10.9	10.7	8.8	9.5	8.4	7.7	18.0
	20.0	7.4	7.0	10.5	9.9	9.6	8.5	7.9	7.4	6.8	10.4	10.3	10.0	8.2	8.8	7.7	7.1	20.0
	22.0	6.9	6.5	10.1	9.4	8.8	7.8	7.3	6.7	6.2	9.8	9.7	9.2	7.7	8.0	7.1	6.5	22.0
	24.0	6.5	6.1	8.6	8.9	8.1	7.3	6.9	6.2	5.6	8.8	9.1	8.6	7.3	7.3	6.5	6.0	24.0
	26.0	6.1	5.7	7.4	8.2	7.4	6.8	6.5	5.7	5.2	7.6	7.9	7.9	6.9	6.7	6.1	5.5	26.0
	28.0	5.7	5.4	6.3	7.1	6.8	6.4	6.2	5.3	4.8	6.6	6.8	7.0	6.5	6.1	5.6	5.1	28.0
	30.0	5.4	5.1	5.4	6.3	6.3	6.0	5.8	4.9	4.4	5.6	5.9	6.1	6.2	5.7	5.3	4.8	30.0
	32.0	5.2	4.9	4.5	5.5	5.7	5.6	5.6	4.5	4.1	4.8	5.1	5.3	5.7	5.3	4.9	4.4	32.0
	34.0			3.8	4.7	5.0	5.2	5.3	4.3	3.8	4.1	4.4	4.6	5.0	4.9	4.6	4.1	34.0
	36.0			3.2	4.1	4.3	4.5	4.7	4.0	3.6	3.5	3.8	4.0	4.3	4.4	4.4	3.9	36.0
	38.0									3.3	3.0	3.3	3.5	3.8	3.9	4.1	3.7	38.0
	40.0										2.5	2.8	3.0	3.3	3.4	3.7	3.5	40.0
	42.0																3.3	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	27.1 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	13.1	13.0	11.4														12.0
14.0	12.4	12.3	10.5	12.2	11.5	10.2	10.1		12.2	11.9	10.4	11.5	10.2				14.0
16.0	11.8	11.7	9.8	11.6	10.6	9.5	9.4	8.7	11.6	11.5	9.7	10.7	9.5	8.8	11.1	10.4	16.0
18.0	11.2	11.2	9.1	11.0	9.8	8.8	8.7	8.0	11.1	11.0	9.0	10.0	8.8	8.2	10.7	10.0	18.0
20.0	10.6	10.5	8.6	10.4	9.1	8.1	8.0	7.4	10.7	10.5	8.3	9.3	8.2	7.6	10.4	9.4	20.0
22.0	10.0	10.0	8.1	9.7	8.4	7.5	7.4	6.8	9.8	9.9	7.7	8.6	7.6	7.0	9.8	8.9	22.0
24.0	8.5	8.6	7.6	9.0	7.7	6.9	6.8	6.4	8.3	8.6	7.2	8.0	7.1	6.6	8.3	8.3	24.0
26.0	7.3	7.4	7.2	7.8	7.1	6.4	6.3	5.9	7.1	7.4	6.8	7.4	6.6	6.1	7.0	7.5	26.0
28.0	6.2	6.3	6.8	6.8	6.6	6.0	5.8	5.5	6.0	6.3	6.3	6.8	6.1	5.8	6.0	6.4	28.0
30.0	5.2	5.4	5.9	5.9	6.1	5.6	5.3	5.1	5.0	5.4	5.9	5.9	5.7	5.4	5.0	5.5	30.0
32.0	4.4	4.6	5.1	5.0	5.4	5.3	4.9	4.7	4.2	4.6	5.1	5.1	5.3	5.0	4.2	4.7	32.0
34.0	3.7	3.9	4.4	4.3	4.7	5.0	4.6	4.4	3.5	3.9	4.4	4.4	4.9	4.7	3.5	4.0	34.0
36.0	3.1	3.3	3.8	3.7	4.1	4.4	4.2	4.0	2.9	3.2	3.8	3.8	4.2	4.3	2.9	3.3	36.0
38.0	2.6	2.7	3.2	3.2	3.5	3.8	3.9	3.7	2.4	2.7	3.3	3.3	3.7	3.7	2.4	2.8	38.0
40.0	2.1	2.3	2.7	2.7	3.1	3.3	3.5	3.4	1.9	2.2	2.8	2.8	3.2	3.2	1.9	2.3	40.0
42.0	1.6	1.8	2.3	2.3	2.6	2.9	3.1	3.1	1.5	1.8	2.4	2.3	2.8	2.8	1.5	1.9	42.0
44.0	1.2	1.4	1.9	1.9	2.2	2.5	2.7	2.7	1.1	1.4	2.0	2.0	2.4	2.4	1.1	1.5	44.0
46.0								2.3		1.0	1.6	1.6	2.0	2.1		1.2	46.0
48.0											1.3	1.3	1.7	1.7			48.0
50.0														1.4			50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	20	20	20	20	20	20	20	20									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	9.4	9.3															16.0
18.0	8.8	8.7	7.6	9.0	8.3		7.2										18.0
20.0	8.2	8.2	7.6	9.0	8.1	6.4	7.2	5.2									20.0
22.0	7.7	7.7	7.1	8.8	7.7	6.4	7.2	5.2									22.0
24.0	7.2	7.2	6.7	8.3	7.3	6.4	7.2	5.2									24.0
26.0	6.8	6.7	6.3	7.1	6.9	6.4	6.9	5.2									26.0
28.0	6.4	6.3	5.9	6.1	6.5	6.0	6.1	5.2									28.0
30.0	5.9	5.9	5.6	5.1	5.6	5.5	5.3	4.8									30.0
32.0	5.1	5.3	5.2	4.3	4.8	4.8	4.5	4.1									32.0
34.0	4.4	4.6	4.5	3.6	4.1	4.1	3.8	3.5									34.0
36.0	3.7	4.0	3.9	3.0	3.5	3.5	3.2	2.9									36.0
38.0	3.2	3.4	3.4	2.5	3.0	3.0	2.7	2.5									38.0
40.0	2.7	3.0	2.9	2.0	2.5	2.5	2.2	2.0									40.0
42.0	2.3	2.5	2.5	1.6	2.1	2.1	1.8	1.6									42.0
44.0	1.9	2.1	2.1	1.2	1.7	1.7	1.4	1.3									44.0
46.0	1.6	1.8	1.7		1.3	1.3	1.0										46.0
48.0	1.2	1.5	1.4		1.0	1.0											48.0
50.0		1.2	1.1														50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	12.2	12.6	12.6	12.6	12.5												8.0
	9.0	11.6	12.0	12.0	12.0	12.0	11.8	12.3	12.3	12.2	12.0							9.0
	10.0	11.1	11.5	11.5	11.5	11.5	11.4	11.8	11.8	11.8	11.6	11.0	10.5	12.1	12.0	11.8		10.0
	12.0	10.1	10.7	10.7	10.7	10.6	10.5	11.1	11.0	11.0	10.8	9.8	9.4	11.3	11.3	11.1	11.0	12.0
	14.0	9.4	10.0	9.9	9.9	9.9	9.9	10.4	10.4	10.4	10.2	8.9	8.4	10.7	10.6	10.5	10.3	14.0
	16.0	8.8	9.4	9.4	9.4	9.4	9.2	9.8	9.8	9.8	9.7	8.0	7.7	10.2	10.1	10.0	9.4	16.0
	18.0	8.4	9.0	8.9	8.9	8.9	8.6	9.4	9.3	9.3	9.1	7.4	7.0	9.7	9.6	9.5	8.6	18.0
	20.0		8.6	8.5	8.5	8.5	8.0	9.0	8.9	8.9	8.5	6.8	6.4	9.3	9.3	9.0	7.8	20.0
	22.0		8.4	8.4	8.4	8.4	7.6	8.7	8.6	8.6	8.1	6.3	6.0	9.0	8.9	8.5	7.2	22.0
	24.0							8.4	8.4	8.4	7.7	5.9	5.6	8.7	8.6	8.1	6.7	24.0
	26.0							7.3	7.9	8.4	7.5	5.6	5.2	7.4	8.1	7.8	6.2	26.0
	28.0												5.0	6.3	7.0	7.5	5.8	28.0
	30.0													5.2	6.1	6.7	5.5	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	10.0	9.5	11.5	11.2	11.2	11.1	10.2	10.0		11.3	11.3		10.3				12.0
	14.0	9.1	8.7	10.9	10.7	10.6	10.5	9.4	9.2	8.8	10.8	10.8	10.7	9.6	10.5	9.3	8.8	14.0
	16.0	8.4	8.0	10.4	10.2	10.1	9.7	8.7	8.5	8.1	10.4	10.3	10.3	8.9	9.9	8.7	8.2	16.0
	18.0	7.7	7.3	9.9	9.7	9.7	8.9	8.1	7.9	7.4	10.0	9.9	9.9	8.3	9.1	8.1	7.6	18.0
	20.0	7.2	6.8	9.6	9.3	9.2	8.2	7.5	7.2	6.7	9.6	9.5	9.4	7.8	8.5	7.5	6.9	20.0
	22.0	6.7	6.3	9.2	8.9	8.7	7.6	7.1	6.6	6.1	9.2	9.1	9.0	7.4	7.9	6.9	6.4	22.0
	24.0	6.3	5.9	8.8	8.5	8.0	7.1	6.7	6.1	5.6	8.8	8.7	8.4	7.0	7.2	6.4	5.9	24.0
	26.0	6.0	5.6	7.6	8.1	7.3	6.7	6.3	5.6	5.2	7.8	8.1	7.9	6.6	6.7	6.0	5.4	26.0
	28.0	5.7	5.3	6.5	7.3	6.8	6.3	6.0	5.2	4.8	6.8	7.0	7.2	6.3	6.1	5.6	5.1	28.0
	30.0	5.4	5.1	5.5	6.4	6.3	5.9	5.8	4.9	4.4	5.8	6.1	6.3	6.1	5.7	5.2	4.7	30.0
	32.0			4.7	5.5	5.8	5.6	5.5	4.5	4.1	5.0	5.3	5.5	5.8	5.3	4.9	4.4	32.0
	34.0			3.9	4.8	5.0	5.2	5.3	4.3	3.8	4.3	4.5	4.7	5.1	4.9	4.6	4.1	34.0
	36.0									3.6	3.6	3.9	4.1	4.4	4.5	4.4	3.9	36.0
	38.0										3.0	3.3	3.5	3.8	3.9	4.1	3.7	38.0
	40.0																3.5	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	10.9	10.8	9.7	10.7	10.6	9.5											14.0
	16.0	10.4	10.4	9.1	10.3	10.0	8.9	8.8	8.3	10.4	10.3	9.0	10.1	8.9				16.0
	18.0	10.1	10.0	8.5	9.9	9.3	8.3	8.3	7.8	10.0	10.0	8.5	9.5	8.4	7.9	9.8	9.6	18.0
	20.0	9.7	9.7	8.1	9.6	8.7	7.8	7.8	7.2	9.7	9.6	8.0	8.9	7.9	7.3	9.5	9.1	20.0
	22.0	9.3	9.3	7.6	9.2	8.2	7.3	7.2	6.7	9.4	9.3	7.5	8.4	7.4	6.8	9.3	8.6	22.0
↑ m	24.0	8.8	8.9	7.3	8.7	7.6	6.8	6.7	6.2	8.6	8.9	7.0	7.9	6.9	6.4	8.6	8.1	24.0
	26.0	7.5	7.7	6.9	8.0	7.0	6.3	6.3	5.8	7.4	7.6	6.6	7.3	6.5	6.0	7.4	7.6	26.0
	28.0	6.4	6.6	6.6	7.0	6.5	5.9	5.8	5.4	6.2	6.6	6.2	6.8	6.1	5.7	6.2	6.7	28.0
	30.0	5.5	5.6	6.1	6.0	6.1	5.6	5.4	5.0	5.3	5.6	5.9	6.1	5.7	5.3	5.3	5.7	30.0
	32.0	4.6	4.8	5.2	5.2	5.6	5.3	4.9	4.7	4.4	4.8	5.3	5.3	5.3	5.0	4.5	4.9	32.0
	34.0	3.9	4.1	4.5	4.5	4.8	5.0	4.6	4.4	3.7	4.0	4.6	4.6	4.9	4.7	3.7	4.1	34.0
	36.0	3.2	3.4	3.9	3.8	4.2	4.5	4.2	4.0	3.1	3.4	4.0	3.9	4.4	4.3	3.1	3.5	36.0
	38.0	2.7	2.8	3.3	3.3	3.6	3.9	3.9	3.7	2.5	2.8	3.4	3.4	3.8	3.8	2.5	3.0	38.0
	40.0	2.2	2.3	2.8	2.8	3.1	3.4	3.6	3.5	2.0	2.3	2.9	2.9	3.3	3.3	2.0	2.4	40.0
	42.0	1.7	1.9	2.3	2.3	2.6	2.9	3.1	3.1	1.5	1.9	2.4	2.4	2.9	2.9	1.6	2.0	42.0
	44.0								2.7	1.1	1.5	2.0	2.0	2.4	2.5	1.2	1.6	44.0
	46.0										1.1	1.7	1.6	2.1	2.1		1.2	46.0
	48.0														1.8			48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
%	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	30	30	30	30	30	30	30	30									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	8.5	8.4															18.0
	20.0	8.0	7.9	7.4	9.0	8.0		7.2										20.0
	22.0	7.5	7.4	6.9	8.6	7.5	6.4	7.2	5.2									22.0
↑ m	24.0	7.0	7.0	6.5	8.1	7.1	6.4	7.1	5.2									24.0
	26.0	6.7	6.6	6.1	7.5	6.7	6.2	6.8	5.2									26.0
	28.0	6.3	6.2	5.8	6.4	6.4	5.9	6.5	5.2									28.0
	30.0	5.9	5.9	5.5	5.4	5.9	5.6	5.6	5.2									30.0
	32.0	5.3	5.5	5.2	4.6	5.1	5.0	4.8	4.4									32.0
	34.0	4.5	4.8	4.7	3.8	4.3	4.3	4.0	3.8									34.0
	36.0	3.9	4.1	4.1	3.2	3.7	3.7	3.4	3.2									36.0
	38.0	3.3	3.6	3.5	2.7	3.1	3.1	2.9	2.7									38.0
	40.0	2.8	3.1	3.0	2.1	2.6	2.6	2.4	2.2									40.0
	42.0	2.4	2.6	2.6	1.7	2.2	2.2	1.9	1.8									42.0
	44.0	2.0	2.2	2.2	1.3	1.8	1.8	1.5	1.4									44.0
	46.0	1.6	1.8	1.8		1.4	1.4	1.1	1.1									46.0
	48.0	1.3	1.5	1.5		1.1	1.1											48.0
	50.0		1.2	1.2														50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
%	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	11.4 m	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0	10.5																9.0
	10.0	10.1	10.4	10.4	10.4	10.4	10.3		10.5									10.0
	12.0	9.4	9.8	9.7	9.7	9.7	9.6	10.0	9.9	9.9	9.8	9.4	9.0	10.1	10.1	9.9	9.9	12.0
	14.0	8.9	9.3	9.2	9.2	9.2	9.2	9.5	9.5	9.5	9.4	8.5	8.2	9.7	9.6	9.5	9.5	14.0
	16.0	8.5	8.8	8.8	8.8	8.8	8.7	9.1	9.1	9.1	9.0	7.8	7.4	9.3	9.3	9.2	9.1	16.0
	18.0	8.4	8.5	8.5	8.5	8.5	8.4	8.8	8.8	8.7	8.6	7.2	6.8	9.0	9.0	8.9	8.4	18.0
	20.0		8.4	8.4	8.4	8.4	8.0	8.5	8.5	8.5	8.3	6.7	6.3	8.7	8.7	8.6	7.7	20.0
	22.0		8.4	8.3	8.3	8.4	7.6	8.4	8.4	8.4	8.0	6.3	5.9	8.5	8.5	8.2	7.1	22.0
	24.0							8.4	8.4	8.4	7.7	5.9	5.6	8.4	8.4	8.0	6.6	24.0
	26.0												5.2	7.5	8.2	7.8	6.2	26.0
	28.0													6.3	7.1	7.6	5.8	28.0
	30.0																	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	9.5	9.1	10.2	10.0													12.0
	14.0	8.7	8.3	9.8	9.6	9.6	9.5	8.9	8.8	8.3	9.7	9.7	9.7	9.0	9.5	8.8		14.0
	16.0	8.1	7.7	9.4	9.3	9.3	9.2	8.3	8.2	7.8	9.4	9.4	9.3	8.4	9.2	8.3	7.8	16.0
	18.0	7.5	7.1	9.1	9.0	9.0	8.7	7.7	7.6	7.2	9.1	9.1	9.1	7.9	8.8	7.8	7.4	18.0
	20.0	7.0	6.6	8.9	8.8	8.7	8.1	7.3	7.1	6.7	8.9	8.9	8.8	7.5	8.2	7.4	6.8	20.0
	22.0	6.6	6.2	8.7	8.5	8.4	7.5	6.9	6.6	6.1	8.7	8.6	8.6	7.1	7.7	6.9	6.3	22.0
	24.0	6.2	5.9	8.5	8.2	7.9	7.0	6.5	6.1	5.6	8.4	8.4	8.3	6.8	7.2	6.4	5.8	24.0
	26.0	6.0	5.6	7.7	8.0	7.3	6.6	6.2	5.6	5.1	8.0	8.1	7.8	6.5	6.6	5.9	5.4	26.0
	28.0	5.7	5.3	6.6	7.4	6.8	6.2	6.0	5.2	4.7	6.9	7.2	7.2	6.2	6.1	5.5	5.0	28.0
	30.0			5.6	6.4	6.4	5.9	5.8	4.9	4.4	6.0	6.2	6.4	6.0	5.7	5.2	4.7	30.0
	32.0			4.7	5.6	5.8	5.6	5.6	4.6	4.1	5.1	5.4	5.6	5.8	5.3	4.9	4.4	32.0
	34.0									3.8	4.3	4.6	4.8	5.1	4.9	4.6	4.1	34.0
	36.0										3.6						3.9	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	27.1 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	9.4	9.4	8.6	9.4	9.3	8.4	8.4		9.4	9.4	8.5						16.0
18.0	9.2	9.2	8.1	9.1	8.9	8.0	7.9	7.5	9.2	9.1	8.1	9.0	8.0	7.5	9.1	9.0	18.0
20.0	9.0	9.0	7.7	8.9	8.5	7.6	7.5	7.1	9.0	8.9	7.7	8.6	7.6	7.2	8.9	8.7	20.0
22.0	8.7	8.7	7.3	8.7	8.0	7.2	7.1	6.6	8.8	8.7	7.3	8.1	7.3	6.7	8.7	8.3	22.0
24.0	8.5	8.5	7.0	8.4	7.5	6.7	6.6	6.1	8.6	8.6	6.9	7.7	6.8	6.3	8.5	7.9	24.0
26.0	7.7	7.9	6.7	8.1	7.0	6.3	6.2	5.7	7.6	7.9	6.5	7.3	6.4	5.9	7.6	7.5	26.0
28.0	6.6	6.8	6.5	7.1	6.5	5.9	5.8	5.4	6.5	6.8	6.1	6.8	6.0	5.6	6.5	6.9	28.0
30.0	5.6	5.8	6.2	6.2	6.1	5.5	5.3	5.0	5.5	5.8	5.8	6.3	5.6	5.3	5.5	5.9	30.0
32.0	4.8	4.9	5.4	5.3	5.7	5.2	4.9	4.7	4.6	4.9	5.5	5.4	5.3	4.9	4.6	5.0	32.0
34.0	4.0	4.2	4.6	4.6	4.9	5.0	4.6	4.4	3.9	4.2	4.7	4.7	4.9	4.6	3.9	4.3	34.0
36.0	3.3	3.5	4.0	3.9	4.3	4.5	4.3	4.1	3.2	3.5	4.1	4.0	4.5	4.3	3.2	3.6	36.0
38.0	2.7	2.9	3.4	3.3	3.7	3.9	3.9	3.8	2.6	2.9	3.5	3.5	3.9	3.9	2.6	3.1	38.0
40.0								3.5	2.1	2.4	3.0	2.9	3.4	3.4	2.1	2.5	40.0
42.0								3.2	1.6	1.9	2.5	2.4	2.9	2.9	1.6	2.1	42.0
44.0														2.5	1.2	1.6	44.0
46.0														2.1		1.2	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	40	40	40	40	40	40	40	40									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	8.0	8.0															18.0
20.0	7.7	7.6		8.6	7.8												20.0
22.0	7.3	7.3	6.7	8.4	7.4	6.7	7.4										22.0
24.0	6.9	6.9	6.4	8.0	7.0	6.4	7.0	5.9									24.0
26.0	6.5	6.5	6.0	7.6	6.6	6.1	6.7	5.9									26.0
28.0	6.2	6.1	5.7	6.6	6.3	5.8	6.4	5.9									28.0
30.0	5.9	5.8	5.4	5.6	6.0	5.5	5.8	5.5									30.0
32.0	5.4	5.5	5.1	4.8	5.2	5.2	5.0	4.7									32.0
34.0	4.7	4.9	4.9	4.0	4.5	4.5	4.2	4.0									34.0
36.0	4.0	4.2	4.2	3.4	3.8	3.8	3.6	3.4									36.0
38.0	3.4	3.7	3.6	2.8	3.3	3.3	3.0	2.9									38.0
40.0	2.9	3.1	3.1	2.3	2.7	2.8	2.5	2.4									40.0
42.0	2.5	2.7	2.6	1.8	2.3	2.3	2.0	1.9									42.0
44.0	2.0	2.2	2.2	1.4	1.9	1.9	1.6	1.5									44.0
46.0	1.6	1.9	1.9		1.5	1.5	1.2	1.1									46.0
48.0			1.5		1.1	1.1											48.0
50.0			1.2														50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	10.7 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6								3.0
	3.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6						3.5
	4.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6		4.0
	4.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	4.5
	5.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	6.0
	7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	7.0
	8.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.0	15.2	16.6	16.6	16.6	16.6	8.0
	9.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	14.7	13.9	16.6	16.6	16.6	16.6	9.0
	10.0	15.9	16.6	16.6	16.6	16.6	15.7	16.6	16.6	16.6	16.6	13.6	12.9	16.6	16.6	16.6	15.5	10.0
	12.0	13.7	15.9	15.7	15.7	15.7	13.5	16.0	16.6	16.6	15.0	11.7	11.1	15.3	16.6	16.3	13.5	12.0
	14.0	12.1	12.6	13.1	13.6	13.9	11.9	12.1	12.9	13.6	13.2	10.2	9.6	12.0	13.0	13.8	11.7	14.0
	16.0	10.7	9.8	10.4	10.8	11.1	10.7	9.3	10.1	10.8	11.3	9.1	8.6	9.3	10.2	11.0	10.3	16.0
	18.0	9.1	7.9	8.4	8.7	9.1	9.3	7.4	8.1	8.7	9.3	8.2	7.7	7.3	8.2	9.0	9.2	18.0
	20.0	7.6	6.4	6.9	7.2	7.5	7.8	5.8	6.6	7.2	7.7	7.4	7.0	5.7	6.7	7.4	7.6	20.0
	22.0		5.1	5.7	6.0	6.3	6.6	4.6	5.4	6.0	6.5	6.7	6.4	4.5	5.5	6.2	6.4	22.0
	24.0		4.2	4.7	5.1	5.4	5.6	3.6	4.4	5.0	5.5	5.7	5.7	3.5	4.4	5.2	5.4	24.0
	26.0							2.8	3.6	4.2	4.7	4.9	4.9	2.7	3.6	4.3	4.6	26.0
	28.0							2.1	2.9	3.5	4.0	4.2	4.2	2.0	2.9	3.6	3.9	28.0
	30.0												3.7	1.4	2.3	3.0	3.3	30.0
	32.0														1.9	2.5	2.8	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5	16.6																4.5
	5.0	16.6	16.6	16.6	16.6	16.6												5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.4		16.6	16.6						6.0
	7.0	16.6	16.4	16.6	16.6	16.6	16.6	16.6	15.4	13.4	16.6	16.6	16.6	15.9	15.2	13.6		7.0
	8.0	16.6	15.6	16.6	16.6	16.6	16.6	16.6	15.2	13.3	16.6	16.6	16.6	15.8	15.2	13.6	11.8	8.0
	9.0	15.5	14.6	16.6	16.6	16.6	16.6	15.9	14.6	13.0	16.6	16.6	16.6	15.6	15.2	13.6	11.8	9.0
	10.0	14.4	13.6	16.6	16.6	16.6	16.2	15.1	13.9	12.6	16.6	16.6	16.6	15.3	14.9	13.3	11.8	10.0
	12.0	12.6	11.9	14.9	16.4	15.9	14.1	13.2	12.2	11.3	14.8	15.3	15.6	14.0	14.0	12.3	11.3	12.0
	14.0	11.1	10.5	11.7	13.2	13.5	12.6	11.9	10.8	9.9	11.7	12.2	12.5	12.4	12.6	11.1	10.3	14.0
	16.0	9.8	9.3	9.4	10.5	10.8	11.0	10.7	9.5	8.8	9.4	9.9	10.2	10.7	10.8	10.0	9.2	16.0
	18.0	8.9	8.4	7.5	8.5	8.7	8.9	9.1	8.5	7.8	7.7	8.1	8.3	8.7	8.7	9.1	8.3	18.0
	20.0	7.8	7.6	5.9	6.9	7.2	7.4	7.6	7.6	7.0	6.2	6.5	6.8	7.1	7.2	7.5	7.5	20.0
	22.0	6.6	6.6	4.6	5.7	6.0	6.2	6.3	6.5	6.3	4.9	5.2	5.5	5.9	6.0	6.3	6.3	22.0
	24.0	5.6	5.7	3.6	4.7	4.9	5.1	5.3	5.6	5.6	3.9	4.2	4.5	4.8	4.9	5.3	5.3	24.0
	26.0	4.8	4.8	2.8	3.8	4.1	4.3	4.5	4.7	4.7	3.1	3.4	3.6	4.0	4.1	4.4	4.4	26.0
	28.0	4.1	4.1	2.1	3.1	3.4	3.6	3.8	4.0	4.0	2.4	2.7	2.9	3.3	3.4	3.7	3.7	28.0
	30.0	3.5	3.5	1.5	2.5	2.8	3.0	3.2	3.4	3.4	1.8	2.1	2.3	2.7	2.8	3.1	3.1	30.0
	32.0	3.0	3.0	1.0	2.0	2.3	2.5	2.7	2.9	2.9	1.3	1.6	1.8	2.2	2.2	2.6	2.6	32.0
	34.0		2.6		1.6	1.8	2.0	2.2	2.4	2.4		1.2	1.4	1.7	1.8	2.1	2.2	34.0
	36.0				1.2	1.5	1.7	1.8	2.0	2.0			1.0	1.3	1.4	1.8	1.8	36.0
	38.0									1.7				1.0	1.1	1.4	1.4	38.0
	40.0															1.1	1.1	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	10.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	16.4	15.9	14.7	15.4	14.1	13.3	12.1										8.0
9.0	16.3	15.9	14.6	15.4	14.1	13.3	12.1	10.0	13.7	13.0	11.8	12.2	11.0				9.0
10.0	16.2	15.8	14.5	15.4	14.1	13.3	12.1	10.0	13.7	13.0	11.8	12.2	11.0	9.0	11.1	10.4	10.0
12.0	13.6	13.8	14.2	14.6	13.7	12.5	12.0	10.0	12.7	13.0	11.8	12.2	11.0	9.0	11.1	10.4	12.0
14.0	10.7	10.9	11.6	11.6	12.2	11.5	11.2	10.0	10.0	10.4	11.3	11.3	10.9	9.0	9.6	10.2	14.0
16.0	8.5	8.7	9.4	9.4	9.9	10.4	10.3	9.6	7.9	8.3	9.2	9.2	9.8	9.0	7.6	8.2	16.0
18.0	6.8	7.0	7.7	7.7	8.2	8.6	8.9	8.6	6.3	6.7	7.5	7.5	8.2	8.0	6.0	6.6	18.0
20.0	5.5	5.7	6.4	6.3	6.8	7.1	7.3	7.2	5.0	5.4	6.2	6.2	6.7	6.5	4.8	5.3	20.0
22.0	4.4	4.6	5.1	5.1	5.5	5.9	6.1	6.0	3.9	4.3	5.0	5.0	5.5	5.3	3.7	4.2	22.0
24.0	3.4	3.6	4.1	4.1	4.5	4.8	5.1	5.0	3.0	3.4	4.1	4.1	4.6	4.4	2.8	3.3	24.0
26.0	2.6	2.7	3.3	3.3	3.7	4.0	4.2	4.2	2.2	2.6	3.3	3.3	3.8	3.6	2.0	2.5	26.0
28.0	1.9	2.1	2.6	2.6	2.9	3.3	3.5	3.4	1.6	2.0	2.6	2.6	3.1	3.0	1.4	1.9	28.0
30.0	1.3	1.5	2.0	2.0	2.4	2.7	2.9	2.8	1.0	1.4	2.0	2.0	2.5	2.4		1.4	30.0
32.0			1.5	1.5	1.8	2.2	2.4	2.3			1.5	1.5	2.0	2.0			32.0
34.0			1.1	1.0	1.4	1.7	1.9	1.9			1.1	1.1	1.5	1.5			34.0
36.0					1.0	1.3	1.5	1.5					1.2	1.1			36.0
38.0							1.2	1.1									38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	0	0	0	0	0	0	0	0									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	9.7	9.6															10.0
12.0	9.7	9.6	7.6	9.0	8.3		7.2										12.0
14.0	9.7	9.6	7.6	9.0	8.3	6.4	7.2	5.2									14.0
16.0	8.8	9.1	7.6	7.5	8.2	6.4	7.2	5.2									16.0
18.0	7.2	7.5	7.1	5.9	6.6	6.2	5.9	5.2									18.0
20.0	5.8	6.1	5.7	4.6	5.2	4.8	4.6	3.9									20.0
22.0	4.7	5.0	4.6	3.5	4.1	3.8	3.5	2.9									22.0
24.0	3.7	4.0	3.7	2.7	3.2	2.9	2.6	2.1									24.0
26.0	3.0	3.3	2.9	1.9	2.5	2.2	1.9	1.4									26.0
28.0	2.4	2.6	2.3	1.3	1.9	1.6	1.4										28.0
30.0	1.8	2.1	1.8		1.4	1.1											30.0
32.0	1.4	1.6	1.4														32.0
34.0		1.2															34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	10.7 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0	16.6																4.0
4.5	16.6	16.6	16.6	16.6	16.6												4.5
5.0	16.6	16.6	16.6	16.6	16.6	16.6											5.0
6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6			16.6			6.0
7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.8	15.1	16.6	16.6	16.6	16.6	7.0
8.0	16.1	16.6	16.6	16.6	16.6	16.5	16.6	16.6	16.6	16.6	14.5	13.9	16.6	16.6	16.6	16.6	8.0
9.0	14.9	16.3	16.3	16.2	16.2	15.3	16.6	16.6	16.6	16.2	13.4	12.8	16.6	16.6	16.6	15.7	9.0
10.0	13.8	15.4	15.3	15.3	15.2	14.3	16.3	16.2	16.2	15.2	12.5	11.9	16.6	16.6	15.9	14.5	10.0
12.0	12.2	13.6	13.5	13.5	13.5	12.5	14.7	14.6	14.6	13.5	11.0	10.4	15.5	15.4	14.2	12.7	12.0
14.0	11.0	12.3	12.2	12.2	12.2	11.2	12.8	13.2	13.2	12.1	9.7	9.2	12.7	13.7	12.9	11.3	14.0
16.0	10.0	10.3	10.8	11.1	11.1	10.1	9.9	10.6	11.2	11.0	8.7	8.2	9.9	10.8	11.5	10.0	16.0
18.0	9.2	8.2	8.7	9.1	9.4	9.2	7.8	8.6	9.1	9.6	7.9	7.4	7.8	8.7	9.3	9.0	18.0
20.0	7.7	6.7	7.1	7.5	7.7	8.0	6.3	7.0	7.5	8.0	7.2	6.8	6.2	7.1	7.7	7.9	20.0
22.0		5.4	5.9	6.2	6.5	6.7	5.0	5.7	6.3	6.7	6.6	6.2	4.9	5.8	6.5	6.7	22.0
24.0		4.3	4.8	5.2	5.5	5.7	3.9	4.6	5.2	5.7	5.9	5.7	3.8	4.7	5.4	5.7	24.0
26.0							3.0	3.8	4.3	4.8	5.0	5.1	3.0	3.8	4.5	4.8	26.0
28.0							2.3	3.0	3.6	4.1	4.3	4.3	2.2	3.1	3.8	4.0	28.0
30.0												3.7	1.6	2.5	3.2	3.4	30.0
32.0													1.1	1.9	2.6	2.9	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	16.0																7.0
8.0	14.9	14.1	16.6	16.6	16.6		15.2										8.0
9.0	13.9	13.2	16.6	16.6	16.6	16.0	14.2	13.9	13.0	16.6	16.6	16.4	14.5				9.0
10.0	13.0	12.3	16.6	16.5	16.2	14.9	13.4	13.1	12.3	16.5	16.4	16.0	13.7	14.6	13.0		10.0
12.0	11.5	10.9	15.9	14.8	14.6	13.1	12.0	11.7	10.8	15.4	15.2	15.0	12.4	13.3	11.8	11.0	12.0
14.0	10.3	9.8	12.5	13.6	13.3	11.7	10.8	10.3	9.5	12.4	12.9	13.2	11.2	12.0	10.6	9.8	14.0
16.0	9.3	8.8	10.0	11.0	11.3	10.6	9.9	9.3	8.5	10.1	10.5	10.8	10.3	10.9	9.6	8.8	16.0
18.0	8.4	8.0	8.0	8.9	9.1	9.3	9.0	8.3	7.7	8.2	8.5	8.8	9.1	9.2	8.7	8.0	18.0
20.0	7.8	7.3	6.4	7.3	7.5	7.7	7.9	7.5	6.9	6.7	6.9	7.2	7.5	7.5	7.9	7.3	20.0
22.0	6.8	6.7	5.0	6.0	6.3	6.5	6.6	6.8	6.2	5.3	5.7	5.9	6.2	6.3	6.6	6.6	22.0
24.0	5.8	5.9	4.0	5.0	5.2	5.4	5.6	5.8	5.7	4.3	4.6	4.8	5.2	5.2	5.6	5.6	24.0
26.0	5.0	5.0	3.1	4.1	4.3	4.5	4.7	4.9	4.9	3.4	3.7	3.9	4.3	4.3	4.7	4.7	26.0
28.0	4.2	4.3	2.4	3.3	3.6	3.8	4.0	4.2	4.2	2.7	3.0	3.2	3.5	3.6	3.9	4.0	28.0
30.0	3.6	3.6	1.8	2.7	2.9	3.2	3.3	3.5	3.5	2.0	2.3	2.6	2.9	3.0	3.3	3.3	30.0
32.0	3.0	3.1	1.2	2.2	2.4	2.6	2.8	3.0	3.0	1.5	1.8	2.0	2.3	2.4	2.7	2.8	32.0
34.0		2.6		1.7	1.9	2.1	2.3	2.5	2.5	1.0	1.3	1.5	1.9	1.9	2.3	2.3	34.0
36.0				1.3	1.5	1.7	1.9	2.1	2.1			1.1	1.5	1.5	1.9	1.9	36.0
38.0									1.8				1.1	1.2	1.5	1.5	38.0
40.0															1.2	1.2	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	10.7 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0	15.7		13.9														10.0
	12.0	14.5	14.7	12.7	14.6	13.3	12.1	11.7	10.0	13.6	13.0	11.7	12.2	11.0				12.0
	14.0	11.5	11.7	11.6	12.3	12.3	11.0	10.7	10.0	10.8	11.2	10.9	12.0	10.7	9.0	10.4	10.4	14.0
	16.0	9.2	9.4	10.0	10.0	10.5	10.0	9.8	9.1	8.6	9.0	9.8	9.8	9.9	9.0	8.3	8.8	16.0
	18.0	7.4	7.6	8.2	8.2	8.7	9.1	9.0	8.3	6.9	7.3	8.1	8.1	8.6	8.4	6.6	7.2	18.0
	20.0	6.0	6.2	6.8	6.8	7.2	7.5	7.7	7.6	5.5	5.9	6.7	6.7	7.2	7.0	5.3	5.8	20.0
	22.0	4.9	5.0	5.6	5.5	5.9	6.2	6.4	6.3	4.4	4.8	5.4	5.4	6.0	5.7	4.2	4.6	22.0
	24.0	3.8	4.0	4.5	4.5	4.8	5.2	5.4	5.3	3.5	3.8	4.5	4.5	5.0	4.8	3.2	3.7	24.0
	26.0	2.9	3.1	3.6	3.6	4.0	4.3	4.5	4.5	2.6	3.0	3.6	3.6	4.1	4.0	2.4	2.9	26.0
	28.0	2.2	2.4	2.9	2.8	3.2	3.5	3.7	3.7	2.0	2.3	2.9	2.9	3.4	3.3	1.8	2.2	28.0
	30.0	1.6	1.8	2.3	2.2	2.6	2.9	3.1	3.1	1.3	1.7	2.3	2.3	2.7	2.7	1.2	1.7	30.0
	32.0	1.0	1.2	1.7	1.7	2.1	2.4	2.6	2.5		1.2	1.8	1.7	2.2	2.2		1.2	32.0
	34.0			1.3	1.2	1.6	1.9	2.1	2.1			1.3	1.3	1.7	1.7			34.0
	36.0					1.2	1.5	1.7	1.6					1.3	1.3			36.0
	38.0						1.1	1.3	1.3									38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	10	10	10	10	10	10	10	10									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	9.7	9.6		9.0	8.3												14.0
	16.0	9.4	9.6	7.6	8.1	8.3	6.4	7.2										16.0
	18.0	7.7	8.0	7.6	6.5	7.2	6.4	6.5	5.2									18.0
	20.0	6.3	6.6	6.2	5.2	5.8	5.4	5.1	4.5									20.0
	22.0	5.1	5.4	5.0	4.0	4.6	4.3	4.0	3.5									22.0
	24.0	4.1	4.4	4.1	3.1	3.7	3.3	3.1	2.6									24.0
	26.0	3.3	3.6	3.3	2.3	2.9	2.6	2.3	1.9									26.0
	28.0	2.7	2.9	2.6	1.7	2.2	2.0	1.7	1.3									28.0
	30.0	2.1	2.4	2.1	1.2	1.7	1.4	1.2										30.0
	32.0	1.6	1.9	1.6		1.2												32.0
	34.0	1.2	1.4	1.2														34.0
	36.0		1.0															36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	11.4 m	10.7 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	15.8																6.0
7.0	14.8	15.4	15.4	15.4	15.4	15.1											7.0
8.0	13.8	14.6	14.5	14.5	14.5	14.3	15.0	15.0	14.9	14.6	13.4	12.8		15.3			8.0
9.0	13.0	13.8	13.8	13.7	13.7	13.5	14.3	14.3	14.2	13.9	12.5	11.9	14.7	14.6	14.2	14.0	9.0
10.0	12.3	13.1	13.1	13.1	13.0	12.8	13.7	13.6	13.6	13.3	11.7	11.1	14.1	14.0	13.6	13.4	10.0
12.0	11.1	12.0	11.9	11.9	11.9	11.6	12.6	12.5	12.5	12.2	10.3	9.8	13.0	12.9	12.6	12.1	12.0
14.0	10.1	11.0	10.9	10.9	10.9	10.5	11.6	11.6	11.5	11.2	9.2	8.8	12.1	12.1	11.7	10.8	14.0
16.0	9.3	10.2	10.1	10.1	10.1	9.6	10.5	10.8	10.8	10.3	8.3	7.9	10.4	11.3	10.8	9.7	16.0
18.0	8.8	8.6	9.0	9.4	9.5	8.9	8.3	8.9	9.5	9.5	7.6	7.2	8.3	9.1	9.7	8.7	18.0
20.0	7.9	6.9	7.4	7.7	8.0	8.2	6.6	7.3	7.8	8.2	7.0	6.6	6.6	7.4	8.0	8.0	20.0
22.0		5.6	6.1	6.4	6.6	6.9	5.3	6.0	6.5	6.9	6.4	6.1	5.3	6.1	6.7	6.9	22.0
24.0		4.5	4.9	5.3	5.6	5.8	4.1	4.9	5.4	5.8	6.0	5.6	4.1	5.0	5.6	5.8	24.0
26.0							3.2	3.9	4.5	4.9	5.1	5.2	3.2	4.1	4.7	5.0	26.0
28.0							2.4	3.1	3.7	4.1	4.3	4.4	2.4	3.3	3.9	4.2	28.0
30.0													1.8	2.6	3.3	3.5	30.0
32.0													1.2	2.0	2.7	2.9	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	12.6	12.1	14.9														9.0
10.0	11.9	11.3	14.3	13.9	13.7	13.5	12.1										10.0
12.0	10.7	10.1	13.3	12.9	12.8	12.4	11.0	10.8	10.2	13.1	13.0	12.9	11.2	12.4	10.9	10.2	12.0
14.0	9.6	9.1	12.5	12.1	12.0	11.1	10.0	9.8	9.3	12.4	12.3	12.2	10.3	11.3	10.0	9.4	14.0
16.0	8.8	8.3	10.6	11.3	11.2	10.1	9.2	8.9	8.3	10.7	11.1	11.3	9.5	10.3	9.2	8.5	16.0
18.0	8.0	7.6	8.5	9.3	9.5	9.2	8.5	8.1	7.5	8.7	9.0	9.2	8.8	9.5	8.4	7.7	18.0
20.0	7.4	7.0	6.8	7.6	7.8	8.0	7.9	7.4	6.8	7.1	7.3	7.5	7.8	7.9	7.7	7.1	20.0
22.0	6.9	6.5	5.4	6.3	6.5	6.7	6.9	6.7	6.2	5.7	6.0	6.2	6.5	6.6	6.9	6.5	22.0
24.0	6.0	6.0	4.3	5.3	5.5	5.7	5.8	6.0	5.6	4.6	4.9	5.1	5.4	5.5	5.8	5.8	24.0
26.0	5.1	5.2	3.4	4.3	4.6	4.8	4.9	5.1	5.1	3.7	4.0	4.2	4.5	4.6	4.9	4.9	26.0
28.0	4.4	4.4	2.6	3.5	3.8	4.0	4.1	4.3	4.4	2.9	3.2	3.4	3.7	3.8	4.1	4.2	28.0
30.0	3.7	3.7	2.0	2.9	3.1	3.3	3.5	3.7	3.7	2.3	2.5	2.7	3.1	3.1	3.5	3.5	30.0
32.0	3.1	3.1	1.4	2.3	2.5	2.7	2.9	3.1	3.1	1.7	2.0	2.2	2.5	2.6	2.9	2.9	32.0
34.0				1.8	2.0	2.2	2.4	2.6	2.6	1.2	1.5	1.7	2.0	2.1	2.4	2.4	34.0
36.0				1.3	1.6	1.8	1.9	2.1	2.2		1.0	1.2	1.6	1.6	2.0	2.0	36.0
38.0									1.8				1.2	1.2	1.6	1.6	38.0
40.0															1.2	1.3	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	10.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	13.1	13.0	11.4														12.0
14.0	12.2	12.3	10.5	12.2	11.5	10.2	10.1		11.6	11.9	10.4	11.5	10.2				14.0
16.0	9.8	10.0	9.8	10.6	10.6	9.5	9.4	8.7	9.3	9.6	9.7	10.4	9.5	8.8	9.0	9.5	16.0
18.0	8.0	8.2	8.7	8.7	9.2	8.8	8.7	8.0	7.5	7.9	8.6	8.6	8.8	8.2	7.2	7.7	18.0
20.0	6.5	6.7	7.3	7.2	7.6	7.8	8.0	7.4	6.0	6.4	7.1	7.1	7.6	7.4	5.8	6.3	20.0
22.0	5.3	5.5	6.0	5.9	6.3	6.5	6.7	6.7	4.9	5.2	5.9	5.9	6.3	6.1	4.7	5.1	22.0
24.0	4.2	4.4	4.8	4.8	5.2	5.5	5.7	5.6	3.9	4.2	4.8	4.8	5.3	5.1	3.7	4.1	24.0
26.0	3.3	3.4	3.9	3.9	4.2	4.5	4.7	4.7	3.0	3.4	4.0	4.0	4.4	4.3	2.8	3.3	26.0
28.0	2.5	2.7	3.1	3.1	3.5	3.8	4.0	3.9	2.3	2.6	3.2	3.2	3.6	3.6	2.1	2.6	28.0
30.0	1.8	2.0	2.5	2.5	2.8	3.1	3.3	3.3	1.6	2.0	2.5	2.5	3.0	3.0	1.5	2.0	30.0
32.0	1.3	1.4	1.9	1.9	2.2	2.5	2.7	2.7	1.1	1.4	2.0	2.0	2.4	2.4	1.0	1.5	32.0
34.0			1.4	1.4	1.7	2.0	2.2	2.2			1.5	1.5	1.9	1.9		1.0	34.0
36.0					1.3	1.6	1.8	1.8			1.1	1.0	1.5	1.5			36.0
38.0						1.2	1.4	1.4					1.1	1.1			38.0
40.0							1.1	1.1									40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	20	20	20	20	20	20	20	20									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	9.4	9.3															16.0
18.0	8.2	8.5	7.6	7.1	7.7		7.1										18.0
20.0	6.8	7.1	6.7	5.8	6.3	5.9	5.7	5.1									20.0
22.0	5.6	5.8	5.5	4.6	5.1	4.7	4.5	4.0									22.0
24.0	4.5	4.8	4.5	3.6	4.1	3.8	3.5	3.0									24.0
26.0	3.7	3.9	3.6	2.8	3.3	3.0	2.7	2.3									26.0
28.0	3.0	3.2	3.0	2.1	2.6	2.3	2.1	1.6									28.0
30.0	2.4	2.6	2.4	1.5	2.0	1.8	1.5	1.1									30.0
32.0	1.9	2.1	1.9		1.5	1.3	1.0										32.0
34.0	1.4	1.6	1.4		1.1												34.0
36.0		1.2	1.1														36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	10.7 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	12.2	12.6	12.6	12.6	12.5												8.0
	9.0	11.6	12.0	12.0	12.0	12.0	11.8	12.3	12.3	12.2	12.0							9.0
	10.0	11.1	11.5	11.5	11.5	11.5	11.4	11.8	11.8	11.8	11.6	11.0	10.5	12.1	12.0	11.8		10.0
	12.0	10.1	10.7	10.7	10.7	10.6	10.5	11.1	11.0	11.0	10.8	9.8	9.4	11.3	11.3	11.1	11.0	12.0
	14.0	9.4	10.0	9.9	9.9	9.9	9.9	10.4	10.4	10.4	10.2	8.9	8.4	10.7	10.6	10.5	10.3	14.0
	16.0	8.8	9.4	9.4	9.4	9.4	9.2	9.8	9.8	9.8	9.7	8.0	7.7	10.2	10.1	10.0	9.4	16.0
	18.0	8.4	8.9	8.9	8.9	8.9	8.6	8.7	9.3	9.3	9.1	7.4	7.0	8.7	9.4	9.5	8.6	18.0
	20.0		7.2	7.6	7.9	8.2	8.0	7.0	7.6	8.0	8.4	6.8	6.4	7.0	7.7	8.3	7.8	20.0
	22.0		5.8	6.2	6.5	6.8	7.0	5.6	6.2	6.7	7.1	6.3	6.0	5.6	6.3	6.9	7.1	22.0
	24.0							4.4	5.0	5.6	6.0	5.9	5.6	4.4	5.2	5.8	6.0	24.0
	26.0							3.3	4.0	4.6	5.0	5.2	5.2	3.4	4.2	4.9	5.1	26.0
	28.0												4.5	2.6	3.4	4.1	4.3	28.0
	30.0													1.9	2.7	3.3	3.6	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	10.0	9.5	11.5	11.2	11.2	11.1	10.2	10.0		11.3	11.3		10.3				12.0
	14.0	9.1	8.7	10.9	10.7	10.6	10.5	9.4	9.2	8.8	10.8	10.8	10.7	9.6	10.5	9.3	8.8	14.0
	16.0	8.4	8.0	10.4	10.2	10.1	9.7	8.7	8.5	8.1	10.4	10.3	10.3	8.9	9.9	8.7	8.2	16.0
	18.0	7.7	7.3	8.9	9.7	9.7	8.9	8.1	7.9	7.4	9.2	9.4	9.6	8.3	9.1	8.1	7.6	18.0
	20.0	7.2	6.8	7.2	7.9	8.1	8.2	7.5	7.2	6.7	7.4	7.7	7.9	7.8	8.2	7.5	6.9	20.0
	22.0	6.7	6.3	5.8	6.6	6.8	7.0	7.1	6.6	6.1	6.1	6.3	6.5	6.8	6.8	6.9	6.4	22.0
	24.0	6.2	5.9	4.6	5.5	5.7	5.9	6.0	6.1	5.6	4.9	5.2	5.4	5.7	5.7	6.0	5.9	24.0
	26.0	5.3	5.3	3.6	4.5	4.7	4.9	5.1	5.3	5.2	3.9	4.2	4.4	4.7	4.8	5.1	5.1	26.0
	28.0	4.5	4.5	2.8	3.7	3.9	4.1	4.3	4.5	4.5	3.1	3.4	3.6	3.9	4.0	4.3	4.3	28.0
	30.0	3.7	3.8	2.1	3.0	3.2	3.4	3.6	3.8	3.8	2.4	2.7	2.9	3.2	3.3	3.6	3.6	30.0
	32.0			1.5	2.4	2.6	2.8	3.0	3.2	3.2	1.8	2.1	2.3	2.6	2.7	3.0	3.0	32.0
	34.0				1.8	2.1	2.3	2.4	2.6	2.7	1.3	1.6	1.8	2.1	2.2	2.5	2.5	34.0
	36.0									2.2		1.1	1.3	1.6	1.7	2.0	2.1	36.0
	38.0													1.2	1.3	1.6	1.7	38.0
	40.0																1.3	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	10.7 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	10.9	10.8	9.7	10.7	10.6	9.5											14.0
	16.0	10.4	10.4	9.1	10.3	10.0	8.9	8.8	8.3	9.9	10.3	9.0	10.1	8.9				16.0
	18.0	8.5	8.7	8.5	9.2	9.3	8.3	8.3	7.8	8.0	8.4	8.5	9.0	8.4	7.9	7.8	8.2	18.0
	20.0	7.0	7.1	7.6	7.6	7.9	7.8	7.8	7.2	6.5	6.9	7.5	7.5	7.9	7.3	6.3	6.8	20.0
	22.0	5.7	5.9	6.3	6.3	6.6	6.8	7.0	6.7	5.3	5.6	6.3	6.3	6.7	6.5	5.1	5.6	22.0
↑ m →	24.0	4.5	4.7	5.2	5.1	5.5	5.7	5.9	5.9	4.2	4.6	5.2	5.2	5.6	5.5	4.1	4.5	24.0
	26.0	3.6	3.7	4.2	4.2	4.5	4.8	5.0	5.0	3.4	3.7	4.3	4.2	4.7	4.6	3.2	3.6	26.0
	28.0	2.7	2.9	3.4	3.3	3.7	4.0	4.1	4.1	2.6	2.9	3.4	3.4	3.9	3.8	2.5	2.9	28.0
	30.0	2.1	2.2	2.7	2.7	3.0	3.3	3.5	3.5	1.9	2.2	2.8	2.7	3.2	3.2	1.8	2.2	30.0
	32.0	1.5	1.6	2.1	2.1	2.4	2.7	2.9	2.9	1.3	1.6	2.2	2.1	2.6	2.6	1.3	1.7	32.0
	34.0		1.1	1.6	1.5	1.9	2.2	2.3	2.3		1.1	1.7	1.6	2.1	2.1		1.2	34.0
	36.0			1.1	1.1	1.4	1.7	1.9	1.9			1.2	1.2	1.6	1.6			36.0
	38.0					1.0	1.3	1.5	1.5					1.2	1.2			38.0
	40.0							1.1	1.1									40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
%	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	30	30	30	30	30	30	30	30									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	8.5	8.4															18.0
	20.0	7.2	7.5	7.2	6.2	6.8		6.2										20.0
	22.0	6.0	6.2	5.9	5.0	5.5	5.2	5.0	4.5									22.0
↑ m →	24.0	4.9	5.1	4.8	4.0	4.5	4.2	4.0	3.5									24.0
	26.0	4.0	4.3	4.0	3.1	3.6	3.3	3.1	2.7									26.0
	28.0	3.3	3.5	3.3	2.4	2.9	2.6	2.4	2.0									28.0
	30.0	2.6	2.9	2.6	1.8	2.3	2.0	1.8	1.4									30.0
	32.0	2.1	2.3	2.1	1.3	1.7	1.5	1.3										32.0
	34.0	1.6	1.8	1.6		1.3	1.1											34.0
	36.0	1.1	1.3	1.2														36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
%	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	11.4 m	10.7 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	10.5																9.0
10.0	10.1	10.4	10.4	10.4	10.4	10.3		10.5									10.0
12.0	9.4	9.8	9.7	9.7	9.7	9.6	10.0	9.9	9.9	9.8	9.4	9.0	10.1	10.1	9.9	9.9	12.0
14.0	8.9	9.3	9.2	9.2	9.2	9.2	9.5	9.5	9.5	9.4	8.5	8.2	9.7	9.6	9.5	9.5	14.0
16.0	8.5	8.8	8.8	8.8	8.8	8.7	9.1	9.1	9.1	9.0	7.8	7.4	9.3	9.3	9.2	9.1	16.0
18.0	8.4	8.5	8.5	8.5	8.5	8.4	8.8	8.8	8.7	8.6	7.2	6.8	9.0	9.0	8.9	8.4	18.0
20.0		7.4	7.8	8.1	8.3	8.0	7.2	7.8	8.2	8.3	6.7	6.3	7.3	8.0	8.5	7.7	20.0
22.0		5.9	6.3	6.6	6.8	7.1	5.8	6.4	6.8	7.2	6.3	5.9	5.9	6.5	7.1	7.1	22.0
24.0							4.5	5.2	5.6	6.0	5.9	5.6	4.6	5.4	5.9	6.1	24.0
26.0												5.2	3.6	4.4	5.0	5.2	26.0
28.0													2.7	3.5	4.1	4.3	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	9.5	9.1	10.2	10.0													12.0
14.0	8.7	8.3	9.8	9.6	9.6	9.5	8.9	8.8	8.3	9.7	9.7	9.7	9.0	9.5	8.8		14.0
16.0	8.1	7.7	9.4	9.3	9.3	9.2	8.3	8.2	7.8	9.4	9.4	9.3	8.4	9.2	8.3	7.8	16.0
18.0	7.5	7.1	9.1	9.0	9.0	8.7	7.7	7.6	7.2	9.1	9.1	9.1	7.9	8.8	7.8	7.4	18.0
20.0	7.0	6.6	7.5	8.2	8.4	8.1	7.3	7.1	6.7	7.7	8.0	8.1	7.5	8.2	7.4	6.8	20.0
22.0	6.6	6.2	6.1	6.8	7.0	7.2	6.9	6.6	6.1	6.3	6.6	6.7	7.0	7.0	6.9	6.3	22.0
24.0	6.2	5.9	4.9	5.7	5.9	6.0	6.2	6.1	5.6	5.2	5.4	5.6	5.9	5.9	6.2	5.8	24.0
26.0	5.3	5.4	3.8	4.7	4.9	5.1	5.2	5.4	5.1	4.2	4.4	4.6	4.9	5.0	5.2	5.3	26.0
28.0	4.5	4.6	3.0	3.8	4.0	4.2	4.4	4.6	4.6	3.3	3.6	3.8	4.1	4.1	4.4	4.5	28.0
30.0			2.2	3.1	3.3	3.5	3.7	3.8	3.9	2.6	2.8	3.0	3.3	3.4	3.7	3.8	30.0
32.0			1.6	2.4	2.7	2.9	3.0	3.2	3.3	1.9	2.2	2.4	2.7	2.8	3.1	3.1	32.0
34.0									2.7	1.4	1.6	1.8	2.2	2.2	2.5	2.6	34.0
36.0																2.1	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	10.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	9.4	9.4	8.6	9.4	9.3	8.4	8.4		9.4	9.4	8.5						16.0
18.0	9.0	9.2	8.1	9.1	8.9	8.0	7.9	7.5	8.5	8.9	8.1	9.0	8.0	7.5	8.3	8.7	18.0
20.0	7.4	7.5	7.7	7.9	8.2	7.6	7.5	7.1	7.0	7.3	7.7	7.9	7.6	7.2	6.7	7.2	20.0
22.0	6.0	6.2	6.6	6.5	6.8	7.0	7.1	6.6	5.7	6.0	6.6	6.6	7.0	6.7	5.5	5.9	22.0
24.0	4.8	5.0	5.4	5.4	5.7	5.9	6.1	6.1	4.6	4.9	5.5	5.5	5.8	5.8	4.4	4.9	24.0
26.0	3.8	4.0	4.4	4.4	4.7	5.0	5.1	5.1	3.6	4.0	4.5	4.5	4.9	4.8	3.5	3.9	26.0
28.0	3.0	3.1	3.6	3.5	3.9	4.1	4.3	4.3	2.8	3.1	3.7	3.6	4.0	4.1	2.8	3.2	28.0
30.0	2.2	2.4	2.8	2.8	3.1	3.4	3.6	3.6	2.1	2.4	2.9	2.9	3.3	3.3	2.1	2.5	30.0
32.0	1.6	1.8	2.2	2.2	2.5	2.8	3.0	3.0	1.5	1.8	2.3	2.3	2.7	2.7	1.5	1.9	32.0
34.0	1.0	1.2	1.7	1.6	2.0	2.2	2.4	2.4		1.2	1.8	1.7	2.2	2.2		1.3	34.0
36.0			1.2	1.1	1.5	1.8	2.0	2.0			1.3	1.3	1.7	1.7			36.0
38.0					1.1	1.3	1.5	1.6					1.3	1.3			38.0
40.0								1.2									40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	40	40	40	40	40	40	40	40									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	8.0	8.0															18.0
20.0	7.6	7.6		6.7	7.2												20.0
22.0	6.4	6.6	6.3	5.4	5.9	5.6	5.4										22.0
24.0	5.2	5.5	5.2	4.4	4.8	4.6	4.4	3.9									24.0
26.0	4.3	4.5	4.3	3.5	3.9	3.7	3.5	3.0									26.0
28.0	3.5	3.8	3.5	2.7	3.2	2.9	2.7	2.3									28.0
30.0	2.9	3.1	2.9	2.1	2.5	2.3	2.1	1.7									30.0
32.0	2.3	2.5	2.3	1.5	2.0	1.8	1.5	1.2									32.0
34.0	1.7	1.9	1.8		1.5	1.3	1.1										34.0
36.0	1.3	1.5	1.4		1.0												36.0
38.0		1.0	1.0														38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	3.7 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6								3.0
	3.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6						3.5
	4.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6		4.0
	4.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	4.5
	5.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	6.0
	7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	7.0
	8.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.0	15.2	16.6	16.6	16.6	16.6	8.0
	9.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	14.7	13.9	16.6	16.6	16.6	16.6	9.0
	10.0	15.9	16.6	16.6	16.6	16.6	15.7	15.5	16.6	16.6	16.6	13.6	12.9	14.7	16.2	16.6	15.5	10.0
	12.0	13.7	12.3	13.0	13.4	13.8	13.5	11.5	12.7	13.5	14.1	11.7	11.1	10.9	12.3	13.4	13.5	12.0
	14.0	10.5	9.1	9.7	10.1	10.5	10.8	8.6	9.5	10.2	10.7	10.2	9.6	8.2	9.5	10.4	10.7	14.0
	16.0	8.2	6.9	7.5	7.9	8.2	8.5	6.4	7.3	7.9	8.4	8.7	8.6	6.3	7.4	8.1	8.4	16.0
	18.0	6.6	5.3	5.9	6.3	6.6	6.8	4.8	5.6	6.3	6.8	7.0	7.0	4.7	5.7	6.5	6.7	18.0
	20.0	5.4	4.0	4.6	5.0	5.3	5.6	3.5	4.3	5.0	5.5	5.7	5.8	3.4	4.4	5.2	5.4	20.0
	22.0		3.1	3.6	4.0	4.3	4.6	2.5	3.3	3.9	4.5	4.7	4.7	2.4	3.4	4.1	4.4	22.0
	24.0		2.3	2.8	3.2	3.5	3.8	1.7	2.5	3.1	3.6	3.9	3.9	1.6	2.6	3.3	3.6	24.0
	26.0							1.1	1.9	2.5	3.0	3.2	3.2		1.9	2.6	2.9	26.0
	28.0								1.3	1.9	2.4	2.6	2.7		1.3	2.1	2.3	28.0
	30.0												2.2			1.6	1.8	30.0
	32.0															1.2	1.4	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5	16.6																4.5
	5.0	16.6	16.6	16.6	16.6	16.6												5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.4		16.6	16.6						6.0
	7.0	16.6	16.4	16.6	16.6	16.6	16.6	16.6	15.4	13.4	16.6	16.6	16.6	15.9	15.2	13.6		7.0
	8.0	16.6	15.6	16.6	16.6	16.6	16.6	16.6	15.2	13.3	16.6	16.6	16.6	15.8	15.2	13.6	11.8	8.0
	9.0	15.5	14.6	16.6	16.6	16.6	16.6	15.9	14.6	13.0	16.4	16.6	16.6	15.6	15.2	13.6	11.8	9.0
	10.0	14.4	13.6	14.2	15.9	16.3	16.2	15.1	13.9	12.6	14.0	14.6	15.0	15.3	14.9	13.3	11.8	10.0
	12.0	12.6	11.9	10.6	12.1	12.5	12.8	13.1	12.2	11.3	10.6	11.1	11.4	11.9	12.0	12.3	11.3	12.0
	14.0	10.9	10.5	8.1	9.5	9.8	10.2	10.4	10.7	9.9	8.1	8.6	8.9	9.4	9.5	10.0	9.9	14.0
	16.0	8.6	8.6	6.2	7.6	7.9	8.1	8.3	8.5	8.6	6.3	6.7	7.1	7.5	7.6	8.1	8.0	16.0
	18.0	6.9	7.0	4.8	6.0	6.2	6.5	6.6	6.9	6.9	4.9	5.3	5.6	6.1	6.2	6.6	6.5	18.0
	20.0	5.7	5.7	3.5	4.6	4.9	5.2	5.4	5.6	5.6	3.8	4.2	4.4	4.8	4.9	5.3	5.2	20.0
	22.0	4.6	4.6	2.5	3.6	3.9	4.1	4.3	4.5	4.5	2.8	3.2	3.4	3.8	3.9	4.3	4.3	22.0
	24.0	3.8	3.8	1.7	2.8	3.0	3.3	3.5	3.7	3.7	2.0	2.4	2.6	3.0	3.0	3.4	3.4	24.0
	26.0	3.1	3.1	1.1	2.1	2.4	2.6	2.8	3.0	3.0	1.4	1.7	1.9	2.3	2.4	2.7	2.7	26.0
	28.0	2.5	2.5		1.5	1.8	2.0	2.2	2.4	2.4		1.1	1.4	1.7	1.8	2.1	2.2	28.0
	30.0	2.0	2.0		1.1	1.3	1.5	1.7	1.9	1.9				1.2	1.3	1.7	1.7	30.0
	32.0	1.6	1.6				1.1	1.3	1.5	1.5						1.2	1.3	32.0
	34.0		1.3						1.2	1.2								34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	3.7 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	16.4	15.9	14.7	15.4	14.1	13.3	12.1										8.0
	9.0	14.9	15.2	14.6	15.4	14.1	13.3	12.1	10.0	13.7	13.0	11.8	12.2	11.0				9.0
	10.0	12.7	13.0	13.8	13.8	14.1	13.3	12.1	10.0	11.8	12.3	11.8	12.2	11.0	9.0	11.1	10.4	10.0
	12.0	9.5	9.7	10.5	10.5	11.0	11.5	11.8	10.0	8.7	9.2	10.2	10.2	10.9	9.0	8.3	9.0	12.0
	14.0	7.2	7.4	8.1	8.1	8.6	9.1	9.4	9.1	6.5	7.0	7.9	7.9	8.6	8.3	6.2	6.8	14.0
	16.0	5.4	5.7	6.4	6.3	6.9	7.3	7.6	7.3	4.9	5.3	6.2	6.2	6.8	6.6	4.6	5.2	16.0
	18.0	4.1	4.3	5.0	5.0	5.4	5.8	6.1	5.8	3.6	4.0	4.8	4.8	5.4	5.1	3.3	3.8	18.0
	20.0	3.0	3.2	3.8	3.8	4.3	4.6	4.9	4.6	2.5	2.9	3.6	3.6	4.2	4.0	2.2	2.8	20.0
	22.0	2.1	2.3	2.9	2.9	3.3	3.7	3.9	3.7	1.6	2.0	2.7	2.7	3.3	3.1	1.4	1.9	22.0
	24.0	1.4	1.6	2.2	2.1	2.6	2.9	3.1	2.9		1.3	2.0	2.0	2.5	2.4		1.2	24.0
	26.0			1.5	1.5	1.9	2.3	2.5	2.3			1.4	1.4	1.9	1.8			26.0
	28.0			1.0		1.4	1.7	1.9	1.8					1.4	1.3			28.0
	30.0						1.2	1.4	1.4									30.0
	32.0							1.0										32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	0	0	0	0	0	0	0	0									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0	9.7	9.6															10.0
	12.0	9.6	9.6	7.6	8.1	8.3		7.2										12.0
	14.0	7.5	7.8	7.4	6.1	6.8	6.4	6.1	5.2									14.0
	16.0	5.8	6.2	5.6	4.5	5.1	4.6	4.4	3.6									16.0
	18.0	4.4	4.7	4.2	3.1	3.8	3.3	3.1	2.4									18.0
	20.0	3.3	3.6	3.2	2.1	2.7	2.3	2.0	1.4									20.0
	22.0	2.4	2.7	2.3	1.3	1.9	1.5	1.2										22.0
	24.0	1.7	2.0	1.6		1.2												24.0
	26.0	1.1	1.4	1.1														26.0
	28.0																	28.0
	30.0																	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	11.4 m	3.7 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0	16.6																4.0
4.5	16.6	16.6	16.6	16.6	16.6												4.5
5.0	16.6	16.6	16.6	16.6	16.6	16.6											5.0
6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6			16.6			6.0
7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.8	15.1	16.6	16.6	16.6	16.6	7.0
8.0	16.1	16.6	16.6	16.6	16.6	16.5	16.6	16.6	16.6	16.6	14.5	13.9	16.6	16.6	16.6	16.6	8.0
9.0	14.9	16.3	16.3	16.2	16.2	15.3	16.6	16.6	16.6	16.2	13.4	12.8	16.6	16.6	16.6	15.7	9.0
10.0	13.8	15.4	15.3	15.3	15.2	14.3	16.3	16.2	16.2	15.2	12.5	11.9	15.9	16.6	15.9	14.5	10.0
12.0	12.2	13.2	13.5	13.5	13.5	12.5	12.4	13.5	14.2	13.5	11.0	10.4	11.8	13.1	14.1	12.7	12.0
14.0	10.9	9.7	10.3	10.7	11.0	11.2	9.3	10.1	10.7	11.2	9.7	9.2	9.0	10.2	11.0	11.2	14.0
16.0	8.6	7.4	7.9	8.3	8.6	8.8	7.0	7.8	8.3	8.8	8.7	8.2	6.9	7.9	8.6	8.8	16.0
18.0	6.9	5.8	6.2	6.6	6.9	7.1	5.3	6.1	6.6	7.1	7.3	7.3	5.2	6.2	6.8	7.1	18.0
20.0	5.6	4.4	4.9	5.3	5.6	5.8	3.9	4.7	5.3	5.8	6.0	6.0	3.9	4.8	5.5	5.8	20.0
22.0		3.3	3.8	4.2	4.5	4.8	2.9	3.6	4.2	4.7	4.9	5.0	2.8	3.7	4.4	4.7	22.0
24.0		2.5	3.0	3.3	3.6	3.9	2.0	2.8	3.3	3.8	4.1	4.1	2.0	2.9	3.6	3.8	24.0
26.0							1.3	2.0	2.6	3.1	3.3	3.4	1.2	2.1	2.8	3.1	26.0
28.0								1.4	2.0	2.5	2.7	2.8		1.5	2.2	2.5	28.0
30.0												2.2		1.0	1.7	1.9	30.0
32.0															1.3	1.5	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	16.0																7.0
8.0	14.9	14.1	16.6	16.6	16.6		15.2										8.0
9.0	13.9	13.2	16.6	16.6	16.6	16.0	14.2	13.9	13.0	16.6	16.6	16.4	14.5				9.0
10.0	13.0	12.3	15.4	16.5	16.2	14.9	13.4	13.1	12.3	15.1	15.6	16.0	13.7	14.6	13.0		10.0
12.0	11.5	10.9	11.5	12.9	13.3	13.1	12.0	11.7	10.8	11.5	11.9	12.2	12.4	12.8	11.8	11.0	12.0
14.0	10.3	9.8	8.8	10.1	10.5	10.7	10.8	10.3	9.5	8.9	9.3	9.6	10.0	10.1	10.6	9.8	14.0
16.0	9.0	8.8	6.8	8.1	8.4	8.6	8.8	9.0	8.5	6.9	7.3	7.6	8.1	8.1	8.6	8.5	16.0
18.0	7.3	7.3	5.3	6.4	6.6	6.8	7.0	7.2	7.2	5.4	5.8	6.1	6.5	6.6	7.0	6.9	18.0
20.0	5.9	6.0	4.0	5.1	5.3	5.5	5.7	5.9	5.9	4.2	4.6	4.9	5.3	5.3	5.7	5.6	20.0
22.0	4.9	4.9	3.0	4.0	4.2	4.4	4.6	4.8	4.9	3.3	3.6	3.8	4.2	4.2	4.6	4.6	22.0
24.0	4.0	4.0	2.1	3.1	3.3	3.6	3.7	3.9	4.0	2.4	2.7	2.9	3.3	3.4	3.7	3.7	24.0
26.0	3.3	3.3	1.4	2.4	2.6	2.8	3.0	3.2	3.2	1.7	2.0	2.2	2.6	2.6	3.0	3.0	26.0
28.0	2.7	2.7		1.8	2.0	2.2	2.4	2.6	2.6	1.1	1.4	1.6	2.0	2.0	2.4	2.4	28.0
30.0	2.1	2.2		1.3	1.5	1.7	1.9	2.1	2.1			1.1	1.4	1.5	1.8	1.9	30.0
32.0	1.7	1.7			1.1	1.3	1.4	1.6	1.7				1.0	1.1	1.4	1.4	32.0
34.0		1.3					1.1	1.2	1.3						1.0	1.0	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	3.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	13.9		13.9														10.0
12.0	10.4	10.6	11.3	11.3	11.8	12.1	11.7	10.0	9.7	10.1	11.0	11.0	11.0				12.0
14.0	8.0	8.2	8.8	8.8	9.3	9.7	10.0	9.7	7.3	7.8	8.6	8.6	9.2	8.9	7.0	7.6	14.0
16.0	6.1	6.3	7.0	6.9	7.4	7.8	8.1	7.8	5.6	6.0	6.8	6.8	7.4	7.2	5.3	5.9	16.0
18.0	4.7	4.9	5.5	5.5	5.9	6.3	6.6	6.3	4.2	4.6	5.4	5.4	5.9	5.6	4.0	4.5	18.0
20.0	3.5	3.7	4.3	4.3	4.7	5.1	5.3	5.0	3.1	3.5	4.1	4.1	4.7	4.4	2.8	3.3	20.0
22.0	2.6	2.8	3.3	3.3	3.7	4.1	4.3	4.1	2.2	2.5	3.2	3.2	3.7	3.5	1.9	2.4	22.0
24.0	1.8	2.0	2.5	2.5	2.9	3.2	3.5	3.3	1.4	1.7	2.4	2.4	2.9	2.7	1.2	1.6	24.0
26.0	1.2	1.3	1.9	1.9	2.2	2.6	2.8	2.6		1.1	1.8	1.8	2.2	2.1		1.0	26.0
28.0			1.3	1.3	1.7	2.0	2.2	2.1			1.2	1.2	1.7	1.6			28.0
30.0					1.1	1.4	1.7	1.6					1.2	1.1			30.0
32.0						1.0	1.2	1.2									32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	10	10	10	10	10	10	10	10									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	8.1	8.5		6.9	7.5												14.0
16.0	6.4	6.7	6.3	5.2	5.9	5.4	5.1										16.0
18.0	5.0	5.3	4.8	3.8	4.4	4.0	3.7	3.0									18.0
20.0	3.8	4.1	3.7	2.7	3.2	2.9	2.6	2.0									20.0
22.0	2.8	3.1	2.8	1.8	2.3	2.0	1.8	1.2									22.0
24.0	2.1	2.4	2.0	1.1	1.6	1.3	1.1										24.0
26.0	1.5	1.7	1.4		1.0												26.0
28.0		1.2															28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	3.7 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	15.8																6.0
7.0	14.8	15.4	15.4	15.4	15.4	15.1											7.0
8.0	13.8	14.6	14.5	14.5	14.5	14.3	15.0	15.0	14.9	14.6	13.4	12.8		15.3			8.0
9.0	13.0	13.8	13.8	13.7	13.7	13.5	14.3	14.3	14.2	13.9	12.5	11.9	14.7	14.6	14.2	14.0	9.0
10.0	12.3	13.1	13.1	13.1	13.0	12.8	13.7	13.6	13.6	13.3	11.7	11.1	14.1	14.0	13.6	13.4	10.0
12.0	11.1	12.0	11.9	11.9	11.9	11.6	12.6	12.5	12.5	12.2	10.3	9.8	12.8	12.9	12.6	12.1	12.0
14.0	10.1	10.4	10.8	10.9	10.9	10.5	10.0	10.7	11.3	11.2	9.2	8.8	9.8	10.8	11.5	10.8	14.0
16.0	8.9	7.9	8.4	8.7	9.0	9.2	7.6	8.2	8.8	9.2	8.3	7.9	7.6	8.4	9.0	9.2	16.0
18.0	7.1	6.1	6.6	6.9	7.2	7.4	5.8	6.5	7.0	7.4	7.6	7.2	5.8	6.6	7.2	7.4	18.0
20.0	5.7	4.7	5.2	5.5	5.8	6.0	4.4	5.1	5.6	6.0	6.2	6.3	4.3	5.2	5.8	6.0	20.0
22.0		3.6	4.0	4.4	4.7	4.9	3.2	3.9	4.5	4.9	5.1	5.2	3.2	4.0	4.7	4.9	22.0
24.0		2.6	3.1	3.4	3.7	4.0	2.3	3.0	3.5	4.0	4.2	4.3	2.3	3.1	3.8	4.0	24.0
26.0							1.5	2.2	2.8	3.2	3.4	3.5	1.5	2.4	3.0	3.2	26.0
28.0								1.5	2.1	2.6	2.8	2.8		1.7	2.4	2.6	28.0
30.0														1.1	1.8	2.0	30.0
32.0															1.3	1.6	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	12.6	12.1	14.9														9.0
10.0	11.9	11.3	14.3	13.9	13.7	13.5	12.1										10.0
12.0	10.7	10.1	12.5	12.9	12.8	12.4	11.0	10.8	10.2	12.3	12.7	12.9	11.2	12.4	10.9	10.2	12.0
14.0	9.6	9.1	9.6	10.8	11.1	11.1	10.0	9.8	9.3	9.6	10.0	10.2	10.3	10.7	10.0	9.4	14.0
16.0	8.8	8.3	7.5	8.6	8.8	9.0	9.2	8.9	8.3	7.5	7.9	8.2	8.6	8.7	9.1	8.5	16.0
18.0	7.6	7.6	5.8	6.8	7.0	7.2	7.4	7.5	7.5	6.0	6.3	6.6	7.0	7.1	7.4	7.4	18.0
20.0	6.2	6.2	4.5	5.4	5.7	5.8	6.0	6.2	6.2	4.7	5.1	5.3	5.6	5.7	6.0	6.0	20.0
22.0	5.1	5.2	3.4	4.3	4.5	4.7	4.9	5.1	5.1	3.7	4.0	4.2	4.5	4.6	4.9	4.9	22.0
24.0	4.2	4.2	2.5	3.4	3.6	3.8	4.0	4.2	4.2	2.7	3.0	3.2	3.6	3.6	4.0	4.0	24.0
26.0	3.4	3.5	1.7	2.6	2.8	3.0	3.2	3.4	3.4	2.0	2.3	2.5	2.8	2.9	3.2	3.2	26.0
28.0	2.8	2.8	1.1	2.0	2.2	2.4	2.6	2.8	2.8	1.3	1.6	1.8	2.2	2.2	2.6	2.6	28.0
30.0	2.2	2.3		1.4	1.7	1.9	2.0	2.2	2.2		1.1	1.3	1.6	1.7	2.0	2.0	30.0
32.0	1.7	1.8			1.2	1.4	1.5	1.7	1.8				1.2	1.2	1.5	1.6	32.0
34.0							1.1	1.3	1.4						1.1	1.2	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	3.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	11.3	11.5	11.4														12.0
14.0	8.7	8.9	9.5	9.5	9.9	10.2	10.1		8.1	8.5	9.2	9.2	9.8				14.0
16.0	6.8	6.9	7.5	7.5	8.0	8.3	8.6	8.3	6.2	6.6	7.3	7.3	7.9	7.7	6.0	6.5	16.0
18.0	5.2	5.4	6.0	6.0	6.4	6.8	7.0	6.8	4.8	5.2	5.9	5.9	6.4	6.2	4.6	5.1	18.0
20.0	4.0	4.2	4.8	4.8	5.2	5.5	5.7	5.5	3.6	4.0	4.6	4.6	5.1	4.9	3.4	3.8	20.0
22.0	3.0	3.2	3.7	3.7	4.1	4.4	4.6	4.4	2.6	3.0	3.6	3.6	4.1	3.9	2.4	2.9	22.0
24.0	2.2	2.4	2.9	2.9	3.3	3.6	3.8	3.6	1.8	2.2	2.8	2.8	3.2	3.1	1.6	2.1	24.0
26.0	1.5	1.7	2.2	2.2	2.5	2.8	3.0	2.9	1.2	1.5	2.1	2.1	2.5	2.4		1.4	26.0
28.0		1.1	1.6	1.5	1.9	2.2	2.4	2.3			1.5	1.5	2.0	1.8			28.0
30.0			1.0	1.0	1.4	1.7	1.8	1.8			1.0	1.0	1.5	1.4			30.0
32.0						1.2	1.4	1.4					1.1				32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	20	20	20	20	20	20	20	20									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	7.0	7.3															16.0
18.0	5.5	5.8	5.4	4.5	5.0		4.4										18.0
20.0	4.3	4.5	4.2	3.3	3.8	3.4	3.2	2.6									20.0
22.0	3.3	3.5	3.2	2.3	2.8	2.5	2.3	1.7									22.0
24.0	2.5	2.7	2.4	1.5	2.0	1.7	1.5	1.0									24.0
26.0	1.8	2.1	1.8		1.4	1.1											26.0
28.0	1.3	1.5	1.2														28.0
30.0		1.0															30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	3.7 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	12.2	12.6	12.6	12.6	12.5												8.0
	9.0	11.6	12.0	12.0	12.0	12.0	11.8	12.3	12.3	12.2	12.0							9.0
	10.0	11.1	11.5	11.5	11.5	11.5	11.4	11.8	11.8	11.8	11.6	11.0	10.5	12.1	12.0	11.8		10.0
	12.0	10.1	10.7	10.7	10.7	10.6	10.5	11.1	11.0	11.0	10.8	9.8	9.4	11.3	11.3	11.1	11.0	12.0
	14.0	9.4	10.0	9.9	9.9	9.9	9.9	10.4	10.4	10.4	10.2	8.9	8.4	10.5	10.6	10.5	10.3	14.0
	16.0	8.8	8.3	8.7	9.1	9.3	9.2	8.1	8.7	9.2	9.6	8.0	7.7	8.1	8.8	9.4	9.4	16.0
	18.0	7.3	6.5	6.9	7.2	7.4	7.6	6.2	6.8	7.3	7.7	7.4	7.0	6.2	6.9	7.5	7.7	18.0
	20.0		5.0	5.4	5.7	6.0	6.2	4.7	5.4	5.8	6.2	6.4	6.4	4.8	5.5	6.1	6.3	20.0
	22.0		3.7	4.2	4.5	4.8	5.0	3.5	4.2	4.7	5.1	5.3	5.3	3.5	4.3	5.0	5.2	22.0
	24.0							2.5	3.2	3.7	4.2	4.4	4.4	2.5	3.3	4.0	4.2	24.0
	26.0							1.6	2.3	2.9	3.3	3.5	3.6	1.7	2.5	3.2	3.4	26.0
	28.0												2.9	1.0	1.8	2.5	2.7	28.0
	30.0														1.2	1.9	2.1	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	10.0	9.5	11.5	11.2	11.2	11.1	10.2	10.0		11.3	11.3		10.3				12.0
	14.0	9.1	8.7	10.3	10.7	10.6	10.5	9.4	9.2	8.8	10.3	10.6	10.7	9.6	10.5	9.3	8.8	14.0
	16.0	8.4	8.0	8.1	9.1	9.3	9.4	8.7	8.5	8.1	8.1	8.5	8.7	8.9	9.1	8.7	8.2	16.0
	18.0	7.7	7.3	6.4	7.2	7.4	7.6	7.7	7.9	7.4	6.4	6.8	7.0	7.4	7.4	7.7	7.6	18.0
	20.0	6.4	6.5	4.9	5.8	6.0	6.1	6.3	6.4	6.5	5.1	5.5	5.7	5.9	6.0	6.3	6.3	20.0
	22.0	5.3	5.4	3.7	4.6	4.8	5.0	5.1	5.3	5.3	4.0	4.3	4.5	4.8	4.9	5.1	5.2	22.0
	24.0	4.4	4.4	2.8	3.6	3.8	4.0	4.2	4.4	4.4	3.0	3.3	3.5	3.8	3.9	4.2	4.2	24.0
	26.0	3.6	3.6	1.9	2.8	3.0	3.2	3.4	3.6	3.6	2.2	2.5	2.7	3.0	3.1	3.4	3.4	26.0
	28.0	2.9	2.9	1.3	2.1	2.4	2.6	2.7	2.9	2.9	1.6	1.8	2.0	2.4	2.4	2.7	2.8	28.0
	30.0	2.3	2.3		1.6	1.8	2.0	2.1	2.3	2.4		1.3	1.5	1.8	1.8	2.2	2.2	30.0
	32.0				1.0	1.3	1.5	1.6	1.8	1.9				1.3	1.3	1.7	1.7	32.0
	34.0						1.0	1.2	1.4	1.4						1.2	1.3	34.0
	36.0									1.0								36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	3.7 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	9.5	9.6	9.7	10.2	10.6	9.5											14.0
	16.0	7.4	7.6	8.1	8.1	8.5	8.8	8.8	8.3	6.9	7.2	7.9	7.9	8.4				16.0
	18.0	5.8	5.9	6.5	6.5	6.9	7.2	7.4	7.2	5.3	5.7	6.3	6.3	6.8	6.7	5.1	5.6	18.0
	20.0	4.5	4.7	5.2	5.2	5.6	5.9	6.1	5.9	4.1	4.4	5.1	5.1	5.5	5.3	3.9	4.4	20.0
	22.0	3.4	3.6	4.1	4.1	4.5	4.8	5.0	4.8	3.1	3.4	4.0	4.0	4.4	4.3	2.9	3.3	22.0
↑ m	24.0	2.6	2.7	3.2	3.2	3.6	3.9	4.1	3.9	2.2	2.5	3.1	3.1	3.6	3.4	2.0	2.5	24.0
	26.0	1.8	2.0	2.5	2.4	2.8	3.1	3.3	3.2	1.5	1.8	2.4	2.4	2.8	2.7	1.3	1.7	26.0
	28.0	1.2	1.3	1.8	1.8	2.1	2.4	2.6	2.5		1.2	1.8	1.8	2.2	2.1		1.1	28.0
	30.0			1.2	1.2	1.5	1.8	2.0	2.0			1.3	1.3	1.7	1.6			30.0
	32.0					1.0	1.3	1.5	1.5					1.2	1.1			32.0
	34.0							1.1	1.1									34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
%	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5										m
	°	30	30	30	30	30	30	30										°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	6.0	6.3															18.0
	20.0	4.8	5.0	4.6	3.8	4.3		3.7										20.0
	22.0	3.7	4.0	3.6	2.8	3.3	2.9	2.7										22.0
↑ m	24.0	2.9	3.1	2.8	1.9	2.4	2.1	1.9										24.0
	26.0	2.1	2.4	2.1	1.3	1.7	1.5	1.3										26.0
	28.0	1.5	1.8	1.5		1.2												28.0
	30.0	1.0	1.3	1.0														30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90										1
	2	45	90	100	90	90	100	90										2
	3	90	90	100	90	90	100	90										3
%	4	90	90	100	90	90	100	90										4
	5	90	90	100	45	90	100	90										5
	LK-Code	49	50	51	52	53	54	55										LK-Code
		2	2	2	2	2	2	2										

HAVHY	11.4 m	3.7 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0	10.5																9.0
	10.0	10.1	10.4	10.4	10.4	10.4	10.3		10.5									10.0
	12.0	9.4	9.8	9.7	9.7	9.7	9.6	10.0	9.9	9.9	9.8	9.4	9.0	10.1	10.1	9.9	9.9	12.0
	14.0	8.9	9.3	9.2	9.2	9.2	9.2	9.5	9.5	9.5	9.4	8.5	8.2	9.7	9.6	9.5	9.5	14.0
	16.0	8.5	8.7	8.8	8.8	8.8	8.7	8.5	9.1	9.1	9.0	7.8	7.4	8.6	9.2	9.2	9.1	16.0
	18.0	7.4	6.7	7.1	7.4	7.6	7.8	6.6	7.1	7.6	7.9	7.2	6.8	6.6	7.3	7.8	8.0	18.0
	20.0		5.2	5.6	5.9	6.1	6.3	5.0	5.6	6.1	6.4	6.6	6.3	5.1	5.8	6.3	6.5	20.0
	22.0		3.9	4.3	4.6	4.9	5.1	3.7	4.4	4.9	5.3	5.4	5.5	3.8	4.6	5.1	5.3	22.0
	24.0							2.6	3.3	3.8	4.3	4.5	4.5	2.8	3.5	4.2	4.4	24.0
	26.0												3.7	1.9	2.7	3.3	3.5	26.0
	28.0													1.1	1.9	2.6	2.8	28.0
	30.0																	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	9.5	9.1	10.2	10.0													12.0
	14.0	8.7	8.3	9.8	9.6	9.6	9.5	8.9	8.8	8.3	9.7	9.7	9.7	9.0	9.5	8.8		14.0
	16.0	8.1	7.7	8.6	9.3	9.3	9.2	8.3	8.2	7.8	8.7	9.0	9.2	8.4	9.2	8.3	7.8	16.0
	18.0	7.5	7.1	6.8	7.5	7.7	7.9	7.7	7.6	7.2	6.9	7.2	7.4	7.7	7.7	7.8	7.4	18.0
	20.0	6.6	6.6	5.3	6.0	6.2	6.4	6.5	6.7	6.7	5.5	5.8	6.0	6.2	6.3	6.5	6.6	20.0
	22.0	5.5	5.5	4.0	4.9	5.0	5.2	5.3	5.5	5.5	4.3	4.6	4.8	5.0	5.1	5.4	5.4	22.0
	24.0	4.5	4.6	3.0	3.8	4.0	4.2	4.4	4.6	4.6	3.3	3.6	3.8	4.1	4.1	4.4	4.4	24.0
	26.0	3.7	3.7	2.1	3.0	3.2	3.4	3.5	3.7	3.8	2.5	2.7	2.9	3.2	3.3	3.6	3.6	26.0
	28.0	2.9	3.0	1.4	2.3	2.5	2.7	2.8	3.0	3.1	1.7	2.0	2.2	2.5	2.6	2.9	2.9	28.0
	30.0				1.6	1.9	2.0	2.2	2.4	2.5	1.1	1.4	1.6	1.9	2.0	2.3	2.3	30.0
	32.0				1.1	1.3	1.5	1.7	1.9	1.9			1.1	1.4	1.4	1.7	1.8	32.0
	34.0									1.5						1.3	1.3	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	3.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	8.0	8.1	8.6	8.6	9.0	8.4	8.4		7.5	7.8	8.4						16.0
18.0	6.3	6.4	6.9	6.9	7.3	7.6	7.8	7.5	5.8	6.2	6.8	6.8	7.2	7.1	5.6	6.1	18.0
20.0	4.9	5.1	5.6	5.6	5.9	6.2	6.4	6.2	4.5	4.8	5.5	5.5	5.9	5.7	4.3	4.8	20.0
22.0	3.8	3.9	4.5	4.4	4.8	5.1	5.2	5.1	3.4	3.8	4.4	4.4	4.8	4.6	3.3	3.7	22.0
24.0	2.8	3.0	3.5	3.5	3.8	4.1	4.3	4.2	2.5	2.9	3.4	3.4	3.9	3.7	2.4	2.8	24.0
26.0	2.1	2.2	2.7	2.7	3.0	3.3	3.4	3.4	1.8	2.1	2.7	2.7	3.1	3.0	1.7	2.1	26.0
28.0	1.4	1.6	2.0	2.0	2.3	2.6	2.7	2.7	1.1	1.4	2.0	2.0	2.4	2.3	1.0	1.4	28.0
30.0			1.4	1.4	1.7	2.0	2.1	2.1			1.5	1.5	1.9	1.8			30.0
32.0					1.2	1.4	1.6	1.6					1.4	1.3			32.0
34.0							1.2	1.2									34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5										m
°	40	40	40	40	40	40	40										°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	6.5	6.7															18.0
20.0	5.2	5.4		4.3	4.8												20.0
22.0	4.1	4.3	4.0	3.2	3.7	3.4	3.2										22.0
24.0	3.2	3.4	3.1	2.3	2.8	2.5	2.3										24.0
26.0	2.4	2.7	2.4	1.6	2.1	1.8	1.6										26.0
28.0	1.8	2.0	1.8		1.4	1.2											28.0
30.0	1.3	1.5	1.3														30.0
32.0		1.0															32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90										1
2	45	90	100	90	90	100	90										2
3	90	90	100	90	90	100	90										3
4	90	90	100	90	90	100	90										4
5	90	90	100	45	90	100	90										5
LK-Code	49	50	51	52	53	54	55										LK-Code
	2	2	2	2	2	2	2										

HAVHY	11.4 m	27.1 t	7.7 m x 4.7 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6								3.0
	3.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6						3.5
	4.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6		4.0
	4.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	4.5
	5.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	6.0
	7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	7.0
	8.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.0	15.2	16.6	16.6	16.6	16.6	8.0
	9.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	14.7	13.9	16.6	16.6	16.6	16.6	9.0
	10.0	15.9	16.6	16.6	16.6	16.6	15.7	16.6	16.6	16.6	16.6	13.6	12.9	16.6	16.6	16.6	15.5	10.0
	12.0	13.7	14.9	15.4	15.7	15.7	13.5	14.5	15.2	15.8	15.0	11.7	11.1	14.4	15.3	16.0	13.5	12.0
	14.0	12.1	11.6	12.1	12.4	12.7	11.9	11.2	11.9	12.5	12.9	10.2	9.6	11.2	12.0	12.7	11.7	14.0
	16.0	10.4	9.3	9.8	10.1	10.4	10.6	8.9	9.6	10.1	10.5	9.1	8.6	8.9	9.7	10.3	10.3	16.0
	18.0	8.7	7.6	8.1	8.4	8.6	8.8	7.3	7.9	8.4	8.8	8.2	7.7	7.2	7.9	8.6	8.7	18.0
	20.0	7.4	6.3	6.7	7.0	7.3	7.5	5.9	6.6	7.0	7.4	7.4	7.0	5.9	6.6	7.2	7.4	20.0
	22.0		5.3	5.7	6.0	6.2	6.4	4.9	5.5	6.0	6.4	6.5	6.4	4.8	5.6	6.1	6.3	22.0
	24.0		4.5	4.9	5.1	5.4	5.6	4.1	4.7	5.1	5.5	5.7	5.7	4.0	4.7	5.2	5.4	24.0
	26.0							3.4	4.0	4.4	4.8	4.9	5.0	3.3	4.0	4.5	4.7	26.0
	28.0							2.8	3.4	3.8	4.2	4.3	4.4	2.7	3.4	3.9	4.1	28.0
	30.0												3.9	2.1	2.9	3.4	3.6	30.0
	32.0													1.6	2.5	3.0	3.1	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5	16.6																4.5
	5.0	16.6	16.6	16.6	16.6	16.6												5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.4		16.6	16.6						6.0
	7.0	16.6	16.4	16.6	16.6	16.6	16.6	16.6	15.4	13.4	16.6	16.6	16.6	15.9	15.2	13.6		7.0
	8.0	16.6	15.6	16.6	16.6	16.6	16.6	16.6	15.2	13.3	16.6	16.6	16.6	15.8	15.2	13.6	11.8	8.0
	9.0	15.5	14.6	16.6	16.6	16.6	16.6	15.9	14.6	13.0	16.6	16.6	16.6	15.6	15.2	13.6	11.8	9.0
	10.0	14.4	13.6	16.6	16.6	16.6	16.2	15.1	13.9	12.6	16.6	16.6	16.6	15.3	14.9	13.3	11.8	10.0
	12.0	12.6	11.9	14.6	15.5	15.8	14.1	13.2	12.2	11.3	14.5	14.9	15.2	14.0	14.0	12.3	11.3	12.0
	14.0	11.1	10.5	11.3	12.2	12.5	12.6	11.9	10.8	9.9	11.6	11.9	12.1	12.4	12.5	11.1	10.3	14.0
	16.0	9.8	9.3	9.0	9.9	10.1	10.3	10.4	9.5	8.8	9.3	9.5	9.7	10.1	10.1	10.0	9.2	16.0
	18.0	8.9	8.4	7.3	8.1	8.4	8.5	8.7	8.5	7.8	7.5	7.8	8.0	8.3	8.4	8.7	8.3	18.0
	20.0	7.6	7.6	6.0	6.8	7.0	7.2	7.3	7.5	7.0	6.2	6.5	6.7	7.0	7.0	7.3	7.3	20.0
	22.0	6.5	6.5	4.9	5.7	5.9	6.1	6.2	6.4	6.3	5.2	5.4	5.6	5.9	5.9	6.2	6.2	22.0
	24.0	5.6	5.6	4.1	4.9	5.1	5.2	5.4	5.5	5.5	4.3	4.5	4.7	5.0	5.1	5.3	5.3	24.0
	26.0	4.9	4.9	3.4	4.1	4.3	4.5	4.6	4.8	4.8	3.6	3.8	4.0	4.3	4.3	4.6	4.6	26.0
	28.0	4.2	4.3	2.8	3.5	3.7	3.9	4.0	4.2	4.2	3.0	3.2	3.4	3.7	3.7	4.0	4.0	28.0
	30.0	3.7	3.7	2.3	3.0	3.2	3.4	3.5	3.7	3.7	2.5	2.7	2.9	3.1	3.2	3.5	3.5	30.0
	32.0	3.3	3.3	1.7	2.6	2.8	2.9	3.1	3.2	3.2	2.0	2.3	2.4	2.7	2.8	3.0	3.0	32.0
	34.0		2.9	1.3	2.2	2.4	2.5	2.7	2.8	2.8	1.5	1.8	2.0	2.3	2.4	2.6	2.6	34.0
	36.0				1.8	2.1	2.2	2.3	2.5	2.5	1.1	1.4	1.6	1.9	2.0	2.3	2.3	36.0
	38.0									2.2		1.1	1.3	1.6	1.7	2.0	2.0	38.0
	40.0													1.3	1.4	1.7	1.7	40.0
	42.0																1.4	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	16.4	15.9	14.7	15.4	14.1	13.3	12.1										8.0
9.0	16.3	15.9	14.6	15.4	14.1	13.3	12.1	10.0	13.7	13.0	11.8	12.2	11.0				9.0
10.0	16.2	15.8	14.5	15.4	14.1	13.3	12.1	10.0	13.7	13.0	11.8	12.2	11.0	9.0	11.1	10.4	10.0
12.0	13.3	13.5	14.2	14.2	13.7	12.5	12.0	10.0	12.5	12.9	11.8	12.2	11.0	9.0	11.1	10.4	12.0
14.0	10.8	11.0	11.7	11.7	12.1	11.5	11.2	10.0	10.1	10.5	11.3	11.3	10.9	9.0	9.7	10.2	14.0
16.0	8.9	9.0	9.5	9.4	9.8	10.1	10.2	9.6	8.3	8.7	9.4	9.5	9.9	9.0	7.9	8.5	16.0
18.0	7.1	7.3	7.7	7.7	8.0	8.3	8.5	8.5	6.8	7.2	7.8	7.8	8.2	8.2	6.5	7.0	18.0
20.0	5.8	6.0	6.4	6.4	6.7	7.0	7.1	7.1	5.6	5.9	6.4	6.4	6.8	6.8	5.3	5.8	20.0
22.0	4.8	4.9	5.3	5.3	5.6	5.9	6.0	6.0	4.6	4.9	5.4	5.4	5.8	5.7	4.3	4.9	22.0
24.0	3.9	4.1	4.5	4.5	4.8	5.0	5.2	5.1	3.7	4.0	4.5	4.5	4.9	4.9	3.5	4.0	24.0
26.0	3.2	3.4	3.8	3.7	4.0	4.3	4.4	4.4	3.0	3.3	3.8	3.8	4.2	4.1	2.8	3.3	26.0
28.0	2.6	2.8	3.2	3.1	3.4	3.7	3.8	3.8	2.4	2.7	3.2	3.2	3.5	3.5	2.2	2.7	28.0
30.0	2.0	2.2	2.6	2.6	2.9	3.1	3.3	3.3	1.8	2.1	2.7	2.7	3.0	3.0	1.6	2.2	30.0
32.0	1.5	1.7	2.2	2.1	2.5	2.7	2.9	2.8	1.2	1.6	2.2	2.2	2.6	2.6	1.2	1.7	32.0
34.0	1.0	1.2	1.7	1.7	2.0	2.3	2.5	2.4		1.1	1.7	1.7	2.2	2.2		1.2	34.0
36.0			1.3	1.3	1.6	1.9	2.1	2.1			1.3	1.3	1.8	1.7			36.0
38.0					1.3	1.6	1.8	1.7					1.4	1.4			38.0
40.0						1.2	1.4	1.4					1.1	1.1			40.0
42.0							1.2	1.1									42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	0	0	0	0	0	0	0	0									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	9.7	9.6															10.0
12.0	9.7	9.6	7.6	9.0	8.3		7.2										12.0
14.0	9.7	9.6	7.6	9.0	8.3	6.4	7.2	5.2									14.0
16.0	9.0	9.3	7.6	7.7	8.3	6.4	7.2	5.2									16.0
18.0	7.6	7.9	7.5	6.4	7.0	6.4	6.4	5.2									18.0
20.0	6.4	6.6	6.3	5.2	5.9	5.6	5.3	4.8									20.0
22.0	5.3	5.5	5.4	4.3	4.9	4.6	4.3	3.9									22.0
24.0	4.4	4.6	4.5	3.5	4.1	3.8	3.5	3.1									24.0
26.0	3.7	3.9	3.8	2.8	3.4	3.1	2.9	2.4									26.0
28.0	3.1	3.3	3.2	2.2	2.8	2.5	2.2	1.8									28.0
30.0	2.6	2.8	2.6	1.6	2.2	2.0	1.7	1.3									30.0
32.0	2.1	2.3	2.1	1.2	1.7	1.5	1.2										32.0
34.0	1.6	1.9	1.7		1.3	1.1											34.0
36.0	1.2	1.4	1.3														36.0
38.0		1.1															38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0	16.6																4.0
4.5	16.6	16.6	16.6	16.6	16.6												4.5
5.0	16.6	16.6	16.6	16.6	16.6	16.6											5.0
6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6			16.6			6.0
7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.8	15.1	16.6	16.6	16.6	16.6	7.0
8.0	16.1	16.6	16.6	16.6	16.6	16.5	16.6	16.6	16.6	16.6	14.5	13.9	16.6	16.6	16.6	16.6	8.0
9.0	14.9	16.3	16.3	16.2	16.2	15.3	16.6	16.6	16.6	16.2	13.4	12.8	16.6	16.6	16.6	15.7	9.0
10.0	13.8	15.4	15.3	15.3	15.2	14.3	16.3	16.2	16.2	15.2	12.5	11.9	16.6	16.6	15.9	14.5	10.0
12.0	12.2	13.6	13.5	13.5	13.5	12.5	14.7	14.6	14.6	13.5	11.0	10.4	15.1	15.4	14.2	12.7	12.0
14.0	11.0	12.1	12.2	12.2	12.2	11.2	11.8	12.4	12.9	12.1	9.7	9.2	11.8	12.5	12.9	11.3	14.0
16.0	10.0	9.7	10.1	10.4	10.7	10.1	9.4	10.0	10.5	10.9	8.7	8.2	9.4	10.1	10.7	10.0	16.0
18.0	8.9	8.0	8.3	8.6	8.9	9.1	7.6	8.2	8.7	9.1	7.9	7.4	7.6	8.3	8.9	9.0	18.0
20.0	7.5	6.6	7.0	7.2	7.5	7.7	6.3	6.8	7.3	7.7	7.2	6.8	6.2	6.9	7.5	7.6	20.0
22.0		5.5	5.9	6.1	6.4	6.6	5.2	5.7	6.2	6.5	6.6	6.2	5.1	5.8	6.3	6.5	22.0
24.0		4.6	5.0	5.2	5.5	5.7	4.3	4.8	5.3	5.6	5.8	5.7	4.2	4.9	5.4	5.6	24.0
26.0							3.5	4.1	4.5	4.9	5.0	5.1	3.5	4.2	4.7	4.8	26.0
28.0							2.9	3.4	3.9	4.2	4.4	4.4	2.9	3.5	4.0	4.2	28.0
30.0												3.9	2.3	3.0	3.5	3.7	30.0
32.0													1.8	2.5	3.0	3.2	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	16.0																7.0
8.0	14.9	14.1	16.6	16.6	16.6		15.2										8.0
9.0	13.9	13.2	16.6	16.6	16.6	16.0	14.2	13.9	13.0	16.6	16.6	16.4	14.5				9.0
10.0	13.0	12.3	16.6	16.5	16.2	14.9	13.4	13.1	12.3	16.5	16.4	16.0	13.7	14.6	13.0		10.0
12.0	11.5	10.9	15.3	14.8	14.6	13.1	12.0	11.7	10.8	15.2	15.2	15.0	12.4	13.3	11.8	11.0	12.0
14.0	10.3	9.8	11.9	12.7	12.9	11.7	10.8	10.3	9.5	12.2	12.4	12.6	11.2	12.0	10.6	9.8	14.0
16.0	9.3	8.8	9.5	10.3	10.5	10.6	9.9	9.3	8.5	9.7	10.0	10.2	10.3	10.5	9.6	8.8	16.0
18.0	8.4	8.0	7.7	8.5	8.7	8.9	9.0	8.3	7.7	8.0	8.2	8.4	8.7	8.7	8.7	8.0	18.0
20.0	7.8	7.3	6.4	7.1	7.3	7.5	7.6	7.5	6.9	6.6	6.8	7.0	7.3	7.3	7.6	7.3	20.0
22.0	6.7	6.7	5.3	6.0	6.2	6.3	6.5	6.6	6.2	5.5	5.7	5.9	6.1	6.2	6.5	6.5	22.0
24.0	5.8	5.8	4.4	5.1	5.3	5.4	5.6	5.7	5.7	4.6	4.8	5.0	5.2	5.3	5.5	5.6	24.0
26.0	5.0	5.0	3.6	4.3	4.5	4.7	4.8	5.0	5.0	3.8	4.1	4.2	4.5	4.5	4.8	4.8	26.0
28.0	4.4	4.4	3.0	3.7	3.9	4.0	4.2	4.3	4.3	3.2	3.4	3.6	3.8	3.9	4.1	4.2	28.0
30.0	3.8	3.8	2.5	3.2	3.3	3.5	3.6	3.8	3.8	2.7	2.9	3.0	3.3	3.3	3.6	3.6	30.0
32.0	3.3	3.4	1.9	2.7	2.9	3.0	3.2	3.3	3.3	2.2	2.4	2.6	2.8	2.9	3.1	3.1	32.0
34.0		3.0	1.4	2.3	2.5	2.6	2.7	2.9	2.9	1.7	2.0	2.2	2.4	2.5	2.7	2.7	34.0
36.0				1.9	2.1	2.3	2.4	2.5	2.5	1.2	1.5	1.7	2.1	2.1	2.4	2.4	36.0
38.0									2.2		1.2	1.4	1.7	1.7	2.0	2.1	38.0
40.0												1.0	1.3	1.4	1.7	1.7	40.0
42.0																1.4	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	15.7		13.9														10.0
12.0	14.1	14.3	12.7	14.6	13.3	12.1	11.7	10.0	13.3	13.0	11.7	12.2	11.0				12.0
14.0	11.5	11.7	11.6	12.3	12.3	11.0	10.7	10.0	10.8	11.2	10.9	11.9	10.7	9.0	10.4	10.4	14.0
16.0	9.4	9.5	9.9	9.9	10.2	10.0	9.8	9.1	8.9	9.2	10.0	10.0	9.9	9.0	8.5	9.0	16.0
18.0	7.6	7.7	8.1	8.1	8.4	8.7	8.8	8.3	7.3	7.7	8.2	8.2	8.5	8.5	7.0	7.5	18.0
20.0	6.2	6.4	6.8	6.7	7.0	7.3	7.4	7.4	6.0	6.3	6.8	6.8	7.1	7.1	5.8	6.3	20.0
22.0	5.1	5.3	5.6	5.6	5.9	6.1	6.3	6.3	4.9	5.2	5.7	5.7	6.0	6.0	4.8	5.3	22.0
24.0	4.2	4.4	4.7	4.7	5.0	5.2	5.4	5.4	4.1	4.3	4.8	4.8	5.1	5.1	3.9	4.4	24.0
26.0	3.5	3.6	4.0	4.0	4.3	4.5	4.6	4.6	3.3	3.6	4.0	4.0	4.4	4.4	3.2	3.6	26.0
28.0	2.9	3.0	3.4	3.3	3.6	3.8	4.0	4.0	2.7	2.9	3.4	3.4	3.7	3.7	2.5	3.0	28.0
30.0	2.3	2.5	2.8	2.8	3.1	3.3	3.5	3.4	2.1	2.4	2.9	2.9	3.2	3.2	1.9	2.4	30.0
32.0	1.7	1.9	2.4	2.3	2.6	2.8	3.0	3.0	1.5	1.8	2.4	2.4	2.7	2.7	1.4	1.9	32.0
34.0	1.2	1.4	1.9	1.9	2.2	2.4	2.6	2.6	1.0	1.4	1.9	1.9	2.3	2.3		1.4	34.0
36.0			1.5	1.4	1.8	2.1	2.2	2.2			1.5	1.5	1.9	1.9		1.0	36.0
38.0			1.1	1.0	1.4	1.7	1.9	1.8			1.1	1.1	1.5	1.5			38.0
40.0					1.1	1.3	1.5	1.5					1.2	1.2			40.0
42.0						1.0	1.2	1.2									42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	10	10	10	10	10	10	10	10									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	9.7	9.6		9.0	8.3												14.0
16.0	9.5	9.6	7.6	8.3	8.3	6.4	7.2										16.0
18.0	8.0	8.3	7.6	6.9	7.5	6.4	6.9	5.2									18.0
20.0	6.7	6.9	6.7	5.7	6.3	6.0	5.7	5.2									20.0
22.0	5.6	5.8	5.7	4.7	5.3	5.0	4.7	4.3									22.0
24.0	4.7	4.9	4.8	3.8	4.4	4.2	3.9	3.5									24.0
26.0	4.0	4.1	4.1	3.1	3.7	3.5	3.2	2.8									26.0
28.0	3.3	3.5	3.5	2.5	3.1	2.8	2.6	2.2									28.0
30.0	2.8	3.0	2.9	1.9	2.5	2.3	2.0	1.6									30.0
32.0	2.3	2.5	2.4	1.4	2.0	1.8	1.5	1.1									32.0
34.0	1.8	2.1	1.9		1.6	1.3	1.1										34.0
36.0	1.4	1.6	1.6		1.2												36.0
38.0	1.0	1.3	1.2														38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	15.8																6.0
7.0	14.8	15.4	15.4	15.4	15.4	15.1											7.0
8.0	13.8	14.6	14.5	14.5	14.5	14.3	15.0	15.0	14.9	14.6	13.4	12.8		15.3			8.0
9.0	13.0	13.8	13.8	13.7	13.7	13.5	14.3	14.3	14.2	13.9	12.5	11.9	14.7	14.6	14.2	14.0	9.0
10.0	12.3	13.1	13.1	13.1	13.0	12.8	13.7	13.6	13.6	13.3	11.7	11.1	14.1	14.0	13.6	13.4	10.0
12.0	11.1	12.0	11.9	11.9	11.9	11.6	12.6	12.5	12.5	12.2	10.3	9.8	13.0	12.9	12.6	12.1	12.0
14.0	10.1	11.0	10.9	10.9	10.9	10.5	11.6	11.6	11.5	11.2	9.2	8.8	12.1	12.1	11.7	10.8	14.0
16.0	9.3	10.1	10.1	10.1	10.1	9.6	9.9	10.4	10.8	10.3	8.3	7.9	9.8	10.5	10.8	9.7	16.0
18.0	8.8	8.3	8.6	8.9	9.1	8.9	8.0	8.5	9.0	9.3	7.6	7.2	8.0	8.6	9.1	8.7	18.0
20.0	7.6	6.8	7.2	7.4	7.7	7.8	6.6	7.1	7.5	7.9	7.0	6.6	6.5	7.2	7.7	7.9	20.0
22.0		5.6	6.0	6.3	6.5	6.7	5.4	5.9	6.4	6.7	6.4	6.1	5.4	6.0	6.5	6.7	22.0
24.0		4.7	5.0	5.3	5.5	5.7	4.5	5.0	5.4	5.8	5.9	5.6	4.5	5.1	5.6	5.8	24.0
26.0							3.7	4.2	4.6	5.0	5.1	5.2	3.7	4.3	4.8	5.0	26.0
28.0							3.0	3.5	3.9	4.3	4.4	4.5	3.0	3.6	4.1	4.3	28.0
30.0													2.4	3.1	3.6	3.7	30.0
32.0													1.8	2.6	3.1	3.2	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	12.6	12.1	14.9														9.0
10.0	11.9	11.3	14.3	13.9	13.7	13.5	12.1										10.0
12.0	10.7	10.1	13.3	12.9	12.8	12.4	11.0	10.8	10.2	13.1	13.0	12.9	11.2	12.4	10.9	10.2	12.0
14.0	9.6	9.1	12.5	12.1	12.0	11.1	10.0	9.8	9.3	12.4	12.3	12.2	10.3	11.3	10.0	9.4	14.0
16.0	8.8	8.3	10.0	10.7	10.9	10.1	9.2	8.9	8.3	10.2	10.4	10.6	9.5	10.3	9.2	8.5	16.0
18.0	8.0	7.6	8.1	8.8	9.0	9.2	8.5	8.1	7.5	8.3	8.6	8.7	8.8	9.0	8.4	7.7	18.0
20.0	7.4	7.0	6.7	7.4	7.6	7.7	7.8	7.4	6.8	6.9	7.1	7.3	7.5	7.6	7.7	7.1	20.0
22.0	6.8	6.5	5.5	6.2	6.4	6.6	6.7	6.7	6.2	5.8	6.0	6.1	6.4	6.4	6.7	6.5	22.0
24.0	5.9	5.9	4.6	5.3	5.5	5.6	5.7	5.9	5.6	4.8	5.0	5.2	5.4	5.5	5.7	5.8	24.0
26.0	5.1	5.1	3.8	4.5	4.7	4.8	5.0	5.1	5.1	4.0	4.3	4.4	4.7	4.7	4.9	5.0	26.0
28.0	4.5	4.5	3.2	3.8	4.0	4.2	4.3	4.4	4.5	3.4	3.6	3.8	4.0	4.0	4.3	4.3	28.0
30.0	3.9	3.9	2.6	3.3	3.5	3.6	3.7	3.9	3.9	2.8	3.0	3.2	3.4	3.5	3.7	3.7	30.0
32.0	3.4	3.4	2.1	2.8	3.0	3.1	3.2	3.4	3.4	2.3	2.5	2.7	2.9	3.0	3.2	3.3	32.0
34.0			1.5	2.4	2.5	2.7	2.8	2.9	3.0	1.8	2.1	2.3	2.5	2.6	2.8	2.8	34.0
36.0			1.1	1.9	2.1	2.3	2.4	2.6	2.6	1.4	1.6	1.8	2.1	2.2	2.4	2.5	36.0
38.0									2.3		1.2	1.4	1.8	1.8	2.1	2.1	38.0
40.0												1.1	1.4	1.4	1.8	1.8	40.0
42.0																1.5	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	13.1	13.0	11.4														12.0
14.0	12.2	12.3	10.5	12.2	11.5	10.2	10.1		11.5	11.8	10.4	11.5	10.2				14.0
16.0	9.9	10.0	9.8	10.4	10.6	9.5	9.4	8.7	9.5	9.8	9.7	10.4	9.5	8.8	9.1	9.6	16.0
18.0	8.0	8.2	8.5	8.5	8.8	8.8	8.7	8.0	7.8	8.1	8.6	8.6	8.8	8.2	7.5	8.0	18.0
20.0	6.6	6.7	7.1	7.1	7.3	7.5	7.7	7.4	6.4	6.7	7.1	7.1	7.5	7.5	6.3	6.7	20.0
22.0	5.4	5.6	5.9	5.9	6.2	6.4	6.5	6.5	5.3	5.5	6.0	6.0	6.3	6.3	5.2	5.6	22.0
24.0	4.5	4.6	5.0	5.0	5.2	5.5	5.6	5.6	4.4	4.6	5.0	5.0	5.4	5.4	4.3	4.7	24.0
26.0	3.7	3.9	4.2	4.2	4.5	4.7	4.8	4.8	3.6	3.8	4.3	4.2	4.6	4.6	3.5	3.9	26.0
28.0	3.1	3.2	3.6	3.5	3.8	4.0	4.2	4.1	2.9	3.2	3.6	3.6	3.9	3.9	2.8	3.2	28.0
30.0	2.5	2.6	3.0	3.0	3.2	3.5	3.6	3.6	2.3	2.6	3.0	3.0	3.4	3.4	2.2	2.7	30.0
32.0	1.9	2.1	2.5	2.5	2.7	3.0	3.1	3.1	1.8	2.1	2.6	2.5	2.9	2.9	1.7	2.2	32.0
34.0	1.4	1.6	2.1	2.0	2.3	2.5	2.7	2.7	1.2	1.6	2.1	2.1	2.4	2.5	1.2	1.6	34.0
36.0		1.1	1.6	1.6	1.9	2.2	2.3	2.3		1.1	1.7	1.6	2.1	2.1		1.2	36.0
38.0			1.2	1.2	1.5	1.8	2.0	2.0			1.3	1.2	1.7	1.7			38.0
40.0					1.1	1.4	1.6	1.6					1.3	1.3			40.0
42.0						1.1	1.3	1.3									42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	20	20	20	20	20	20	20	20									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	9.4	9.3															16.0
18.0	8.5	8.7	7.6	7.4	8.0		7.2										18.0
20.0	7.1	7.2	7.1	6.2	6.7	6.4	6.2	5.2									20.0
22.0	5.9	6.1	6.0	5.1	5.7	5.4	5.1	4.7									22.0
24.0	5.0	5.2	5.1	4.2	4.8	4.5	4.3	3.9									24.0
26.0	4.2	4.4	4.3	3.5	4.0	3.8	3.5	3.2									26.0
28.0	3.5	3.7	3.7	2.8	3.3	3.2	2.9	2.5									28.0
30.0	3.0	3.2	3.1	2.2	2.8	2.6	2.3	1.9									30.0
32.0	2.5	2.7	2.6	1.7	2.2	2.0	1.8	1.4									32.0
34.0	2.0	2.2	2.2	1.2	1.8	1.6	1.3										34.0
36.0	1.6	1.8	1.7		1.4	1.2											36.0
38.0	1.2	1.4	1.3														38.0
40.0		1.0															40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	27.1 t	7.7 m x 4.7 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	12.2	12.6	12.6	12.6	12.5												8.0
	9.0	11.6	12.0	12.0	12.0	12.0	11.8	12.3	12.3	12.2	12.0							9.0
	10.0	11.1	11.5	11.5	11.5	11.5	11.4	11.8	11.8	11.8	11.6	11.0	10.5	12.1	12.0	11.8		10.0
	12.0	10.1	10.7	10.7	10.7	10.6	10.5	11.1	11.0	11.0	10.8	9.8	9.4	11.3	11.3	11.1	11.0	12.0
	14.0	9.4	10.0	9.9	9.9	9.9	9.9	10.4	10.4	10.4	10.2	8.9	8.4	10.7	10.6	10.5	10.3	14.0
	16.0	8.8	9.4	9.4	9.4	9.4	9.2	9.8	9.8	9.8	9.7	8.0	7.7	10.2	10.1	10.0	9.4	16.0
	18.0	8.4	8.5	8.9	8.9	8.9	8.6	8.3	8.8	9.2	9.1	7.4	7.0	8.3	8.9	9.4	8.6	18.0
	20.0		7.0	7.3	7.6	7.8	8.0	6.8	7.3	7.7	8.0	6.8	6.4	6.8	7.4	7.9	7.8	20.0
	22.0		5.8	6.1	6.4	6.6	6.8	5.6	6.1	6.5	6.8	6.3	6.0	5.6	6.2	6.7	6.9	22.0
	24.0							4.6	5.1	5.5	5.9	5.9	5.6	4.7	5.3	5.7	5.9	24.0
	26.0							3.8	4.3	4.7	5.0	5.2	5.2	3.8	4.4	4.9	5.1	26.0
	28.0												4.5	3.1	3.7	4.2	4.4	28.0
	30.0													2.5	3.1	3.6	3.8	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	10.0	9.5	11.5	11.2	11.2	11.1	10.2	10.0		11.3	11.3		10.3				12.0
	14.0	9.1	8.7	10.9	10.7	10.6	10.5	9.4	9.2	8.8	10.8	10.8	10.7	9.6	10.5	9.3	8.8	14.0
	16.0	8.4	8.0	10.4	10.2	10.1	9.7	8.7	8.5	8.1	10.4	10.3	10.3	8.9	9.9	8.7	8.2	16.0
	18.0	7.7	7.3	8.5	9.1	9.3	8.9	8.1	7.9	7.4	8.7	8.9	9.1	8.3	9.1	8.1	7.6	18.0
	20.0	7.2	6.8	7.0	7.6	7.8	7.9	7.5	7.2	6.7	7.2	7.4	7.6	7.8	7.8	7.5	6.9	20.0
	22.0	6.7	6.3	5.8	6.4	6.6	6.8	6.9	6.6	6.1	6.0	6.2	6.4	6.6	6.6	6.9	6.4	22.0
	24.0	6.0	5.9	4.8	5.5	5.6	5.8	5.9	6.0	5.6	5.0	5.2	5.4	5.6	5.7	5.9	5.9	24.0
	26.0	5.2	5.3	4.0	4.7	4.8	5.0	5.1	5.2	5.2	4.2	4.4	4.6	4.8	4.9	5.1	5.1	26.0
	28.0	4.5	4.6	3.3	4.0	4.1	4.3	4.4	4.5	4.6	3.5	3.7	3.9	4.1	4.2	4.4	4.4	28.0
	30.0	3.9	4.0	2.7	3.4	3.5	3.7	3.8	3.9	4.0	3.0	3.2	3.3	3.5	3.6	3.8	3.9	30.0
	32.0			2.2	2.9	3.0	3.2	3.3	3.4	3.5	2.4	2.6	2.8	3.0	3.1	3.3	3.3	32.0
	34.0			1.6	2.4	2.6	2.7	2.8	3.0	3.0	1.9	2.2	2.3	2.6	2.6	2.9	2.9	34.0
	36.0									2.6	1.4	1.7	1.9	2.2	2.2	2.5	2.5	36.0
	38.0										1.0	1.3	1.5	1.8	1.9	2.1	2.2	38.0
	40.0																1.8	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	10.9	10.8	9.7	10.7	10.6	9.5											14.0
16.0	10.3	10.4	9.1	10.3	10.0	8.9	8.8	8.3	10.1	10.3	9.0	10.1	8.9				16.0
18.0	8.4	8.5	8.5	8.9	9.1	8.3	8.3	7.8	8.3	8.5	8.5	8.9	8.4	7.9	8.1	8.5	18.0
20.0	6.9	7.0	7.4	7.4	7.6	7.8	7.8	7.2	6.8	7.0	7.4	7.4	7.7	7.3	6.7	7.1	20.0
22.0	5.7	5.9	6.2	6.2	6.4	6.6	6.8	6.7	5.6	5.8	6.2	6.2	6.5	6.5	5.6	5.9	22.0
24.0	4.8	4.9	5.2	5.2	5.4	5.7	5.8	5.8	4.6	4.9	5.3	5.3	5.6	5.6	4.6	4.9	24.0
26.0	3.9	4.1	4.4	4.4	4.6	4.8	5.0	5.0	3.8	4.0	4.5	4.4	4.8	4.8	3.8	4.1	26.0
28.0	3.3	3.4	3.7	3.7	4.0	4.2	4.3	4.3	3.1	3.4	3.8	3.8	4.1	4.1	3.1	3.4	28.0
30.0	2.7	2.8	3.1	3.1	3.4	3.6	3.7	3.7	2.5	2.8	3.2	3.2	3.5	3.5	2.5	2.9	30.0
32.0	2.1	2.3	2.6	2.6	2.9	3.1	3.2	3.2	2.0	2.3	2.7	2.7	3.0	3.0	1.9	2.4	32.0
34.0	1.6	1.7	2.2	2.2	2.4	2.6	2.8	2.8	1.4	1.7	2.2	2.2	2.6	2.6	1.4	1.8	34.0
36.0	1.1	1.3	1.7	1.7	2.0	2.2	2.4	2.4		1.2	1.8	1.8	2.2	2.2		1.4	36.0
38.0			1.3	1.2	1.6	1.9	2.0	2.0			1.4	1.3	1.8	1.8			38.0
40.0					1.2	1.5	1.7	1.7					1.4	1.4			40.0
42.0						1.1	1.3	1.3					1.0	1.1			42.0
44.0								1.0									44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	30	30	30	30	30	30	30	30									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	8.5	8.4															18.0
20.0	7.4	7.5	7.4	6.6	7.1		6.6										20.0
22.0	6.2	6.3	6.3	5.5	6.0	5.8	5.5	5.1									22.0
24.0	5.2	5.4	5.3	4.6	5.1	4.9	4.6	4.2									24.0
26.0	4.4	4.6	4.5	3.8	4.3	4.1	3.8	3.5									26.0
28.0	3.7	3.9	3.9	3.1	3.6	3.4	3.1	2.8									28.0
30.0	3.1	3.3	3.3	2.4	3.0	2.8	2.5	2.2									30.0
32.0	2.6	2.8	2.8	1.9	2.4	2.3	2.0	1.7									32.0
34.0	2.2	2.4	2.3	1.4	2.0	1.8	1.5	1.3									34.0
36.0	1.7	1.9	1.9		1.5	1.4	1.1										36.0
38.0	1.3	1.5	1.5		1.1	1.0											38.0
40.0		1.1	1.1														40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	10.5																9.0
10.0	10.1	10.4	10.4	10.4	10.4	10.3		10.5									10.0
12.0	9.4	9.8	9.7	9.7	9.7	9.6	10.0	9.9	9.9	9.8	9.4	9.0	10.1	10.1	9.9	9.9	12.0
14.0	8.9	9.3	9.2	9.2	9.2	9.2	9.5	9.5	9.5	9.4	8.5	8.2	9.7	9.6	9.5	9.5	14.0
16.0	8.5	8.8	8.8	8.8	8.8	8.7	9.1	9.1	9.1	9.0	7.8	7.4	9.3	9.3	9.2	9.1	16.0
18.0	8.4	8.5	8.5	8.5	8.5	8.4	8.6	8.8	8.7	8.6	7.2	6.8	8.7	9.0	8.9	8.4	18.0
20.0		7.2	7.5	7.7	7.9	8.0	7.0	7.5	7.9	8.2	6.7	6.3	7.1	7.7	8.1	7.7	20.0
22.0		5.9	6.2	6.4	6.7	6.8	5.8	6.3	6.6	7.0	6.3	5.9	5.8	6.4	6.9	7.0	22.0
24.0							4.7	5.2	5.6	5.9	5.9	5.6	4.8	5.4	5.9	6.0	24.0
26.0												5.2	3.9	4.5	5.0	5.2	26.0
28.0													3.2	3.8	4.3	4.4	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	9.5	9.1	10.2	10.0													12.0
14.0	8.7	8.3	9.8	9.6	9.6	9.5	8.9	8.8	8.3	9.7	9.7	9.7	9.0	9.5	8.8		14.0
16.0	8.1	7.7	9.4	9.3	9.3	9.2	8.3	8.2	7.8	9.4	9.4	9.3	8.4	9.2	8.3	7.8	16.0
18.0	7.5	7.1	8.8	9.0	9.0	8.7	7.7	7.6	7.2	9.0	9.1	9.1	7.9	8.8	7.8	7.4	18.0
20.0	7.0	6.6	7.3	7.9	8.0	8.1	7.3	7.1	6.7	7.5	7.7	7.8	7.5	8.1	7.4	6.8	20.0
22.0	6.6	6.2	6.0	6.6	6.8	6.9	6.9	6.6	6.1	6.2	6.4	6.6	6.8	6.8	6.9	6.3	22.0
24.0	6.1	5.9	5.0	5.6	5.8	5.9	6.0	6.1	5.6	5.2	5.4	5.6	5.8	5.8	6.0	5.8	24.0
26.0	5.3	5.3	4.1	4.8	4.9	5.1	5.2	5.3	5.1	4.4	4.6	4.7	4.9	5.0	5.2	5.2	26.0
28.0	4.6	4.6	3.4	4.1	4.2	4.4	4.5	4.6	4.7	3.7	3.9	4.0	4.2	4.3	4.5	4.5	28.0
30.0			2.8	3.4	3.6	3.7	3.9	4.0	4.0	3.1	3.2	3.4	3.6	3.7	3.9	3.9	30.0
32.0			2.2	2.9	3.1	3.2	3.3	3.5	3.5	2.5	2.7	2.9	3.1	3.1	3.4	3.4	32.0
34.0									3.0	2.0	2.2	2.4	2.6	2.7	2.9	3.0	34.0
36.0										1.5						2.5	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	9.4	9.4	8.6	9.4	9.3	8.4	8.4		9.4	9.4	8.5						16.0
18.0	8.8	8.9	8.1	9.1	8.9	8.0	7.9	7.5	8.7	8.9	8.1	9.0	8.0	7.5	8.5	8.9	18.0
20.0	7.2	7.3	7.6	7.6	7.9	7.6	7.5	7.1	7.1	7.3	7.7	7.7	7.6	7.2	7.1	7.4	20.0
22.0	6.0	6.1	6.4	6.4	6.6	6.8	6.9	6.6	5.9	6.1	6.5	6.5	6.8	6.7	5.9	6.2	22.0
24.0	5.0	5.1	5.4	5.4	5.6	5.8	6.0	6.0	4.9	5.1	5.5	5.5	5.8	5.8	4.9	5.2	24.0
26.0	4.1	4.2	4.6	4.5	4.8	5.0	5.1	5.1	4.0	4.2	4.6	4.6	4.9	4.9	4.0	4.3	26.0
28.0	3.4	3.5	3.9	3.8	4.1	4.3	4.4	4.4	3.3	3.5	3.9	3.9	4.2	4.2	3.3	3.6	28.0
30.0	2.8	2.9	3.3	3.2	3.5	3.7	3.8	3.8	2.7	2.9	3.3	3.3	3.6	3.6	2.7	3.0	30.0
32.0	2.3	2.4	2.7	2.7	2.9	3.2	3.3	3.3	2.1	2.4	2.8	2.8	3.1	3.1	2.1	2.5	32.0
34.0	1.7	1.8	2.3	2.2	2.5	2.7	2.8	2.8	1.5	1.9	2.3	2.3	2.6	2.7	1.6	2.0	34.0
36.0	1.2	1.3	1.8	1.7	2.1	2.3	2.4	2.4	1.0	1.4	1.9	1.9	2.2	2.3	1.1	1.5	36.0
38.0			1.3	1.3	1.6	1.9	2.1	2.1			1.4	1.4	1.8	1.9		1.0	38.0
40.0								1.7			1.0	1.0	1.4	1.5			40.0
42.0								1.4					1.1	1.1			42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	40	40	40	40	40	40	40	40									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	8.0	8.0															18.0
20.0	7.7	7.6		7.0	7.5												20.0
22.0	6.4	6.6	6.5	5.8	6.3	6.1	5.9										22.0
24.0	5.4	5.6	5.5	4.9	5.3	5.2	4.9	4.6									24.0
26.0	4.6	4.7	4.7	4.0	4.5	4.4	4.1	3.8									26.0
28.0	3.9	4.0	4.0	3.3	3.8	3.6	3.4	3.1									28.0
30.0	3.3	3.4	3.4	2.7	3.1	3.0	2.8	2.5									30.0
32.0	2.8	2.9	2.9	2.1	2.6	2.5	2.2	1.9									32.0
34.0	2.3	2.5	2.4	1.6	2.1	2.0	1.7	1.5									34.0
36.0	1.8	2.1	2.0	1.1	1.7	1.6	1.3	1.0									36.0
38.0	1.4	1.6	1.6		1.2	1.2											38.0
40.0	1.0	1.2	1.2														40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
t/m	3.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6								3.0
	3.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6						3.5
	4.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6		4.0
	4.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	4.5
	5.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	6.0
	7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	7.0
	8.0	16.6	16.6	16.6	16.6	16.6	16.6	15.0	16.3	16.6	16.6	16.0	15.2	14.0	15.5	16.6	16.6	8.0
	9.0	15.4	14.0	14.6	15.0	15.4	15.7	12.8	14.0	14.9	15.6	14.7	13.9	11.9	13.3	14.4	14.8	9.0
	10.0	12.9	11.7	12.2	12.6	12.9	13.2	11.0	12.0	12.7	13.2	13.4	12.9	10.2	11.6	12.6	13.0	10.0
	12.0	9.6	8.4	8.9	9.3	9.6	9.8	8.0	8.7	9.3	9.8	10.0	10.1	7.6	8.8	9.5	9.8	12.0
	14.0	7.4	6.3	6.7	7.1	7.4	7.6	5.9	6.6	7.1	7.6	7.8	7.8	5.8	6.6	7.3	7.5	14.0
	16.0	5.8	4.8	5.2	5.5	5.8	6.0	4.4	5.0	5.5	6.0	6.2	6.2	4.3	5.1	5.7	5.9	16.0
	18.0	4.7	3.7	4.1	4.4	4.6	4.9	3.3	3.9	4.4	4.8	5.0	5.0	3.2	4.0	4.6	4.8	18.0
	20.0	3.8	2.8	3.2	3.5	3.7	4.0	2.4	3.0	3.5	3.9	4.1	4.1	2.3	3.1	3.7	3.9	20.0
	22.0		2.1	2.5	2.8	3.1	3.3	1.6	2.3	2.8	3.2	3.4	3.4	1.5	2.4	2.9	3.1	22.0
	24.0		1.5	2.0	2.3	2.5	2.7		1.7	2.2	2.6	2.8	2.8		1.7	2.4	2.5	24.0
	26.0								1.1	1.7	2.1	2.3	2.3		1.2	1.9	2.1	26.0
	28.0									1.3	1.7	1.9	1.9			1.4	1.6	28.0
	30.0												1.6				1.2	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
t/m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5	16.6																4.5
	5.0	16.6	16.6	16.6	16.6	16.6												5.0
	6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.4		16.6	16.6						6.0
	7.0	16.6	16.4	15.8	16.6	16.6	16.6	16.6	15.4	13.4	15.3	15.9	16.2	15.9	15.2	13.6		7.0
	8.0	16.6	15.6	13.4	15.0	15.4	15.7	16.0	15.2	13.3	13.1	13.6	13.9	14.5	14.6	13.6	11.8	8.0
	9.0	15.0	14.6	11.5	13.0	13.3	13.7	13.9	14.2	13.0	11.2	11.8	12.1	12.6	12.7	13.2	11.8	9.0
	10.0	13.2	13.1	9.9	11.3	11.7	12.0	12.2	12.5	12.3	9.7	10.2	10.6	11.0	11.1	11.6	11.4	10.0
	12.0	10.0	10.0	7.4	8.8	9.1	9.4	9.7	9.9	9.7	7.4	7.9	8.2	8.6	8.7	9.2	9.0	12.0
	14.0	7.7	7.7	5.6	6.9	7.1	7.3	7.5	7.7	7.7	5.7	6.1	6.4	6.8	6.9	7.4	7.3	14.0
	16.0	6.1	6.1	4.2	5.3	5.5	5.7	5.9	6.1	6.1	4.3	4.7	5.0	5.5	5.5	5.8	5.9	16.0
	18.0	4.9	5.0	3.2	4.2	4.4	4.5	4.7	4.9	4.9	3.3	3.7	3.9	4.3	4.4	4.7	4.7	18.0
	20.0	4.0	4.0	2.3	3.3	3.5	3.6	3.8	4.0	4.0	2.4	2.8	3.1	3.4	3.5	3.8	3.8	20.0
	22.0	3.3	3.3	1.6	2.6	2.8	2.9	3.1	3.2	3.2	1.7	2.1	2.3	2.7	2.8	3.0	3.1	22.0
	24.0	2.7	2.7		1.9	2.2	2.3	2.5	2.6	2.7	1.1	1.5	1.7	2.1	2.2	2.4	2.5	24.0
	26.0	2.2	2.2		1.4	1.6	1.8	2.0	2.2	2.2			1.2	1.5	1.6	2.0	2.0	26.0
	28.0	1.8	1.8			1.1	1.3	1.5	1.7	1.7				1.1	1.1	1.5	1.5	28.0
	30.0	1.4	1.4					1.1	1.3	1.3						1.1	1.1	30.0
	32.0	1.1	1.1															32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	10.7 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	11.7	11.9	12.7	12.7	13.3	13.3	12.1										8.0
9.0	10.0	10.2	11.0	11.0	11.5	12.0	12.1	10.0	9.1	9.6	10.5	10.5	11.0				9.0
10.0	8.6	8.8	9.6	9.6	10.1	10.5	10.8	10.0	7.8	8.3	9.2	9.2	9.8	9.0	7.4	8.0	10.0
12.0	6.4	6.6	7.3	7.3	7.8	8.3	8.5	8.2	5.8	6.2	7.0	7.1	7.7	7.4	5.4	6.0	12.0
14.0	4.8	5.0	5.7	5.7	6.1	6.5	6.8	6.5	4.2	4.7	5.5	5.5	6.1	5.8	3.9	4.5	14.0
16.0	3.5	3.7	4.4	4.4	4.8	5.2	5.5	5.3	3.0	3.4	4.2	4.2	4.8	4.6	2.8	3.3	16.0
18.0	2.5	2.7	3.4	3.3	3.8	4.2	4.4	4.2	2.0	2.5	3.2	3.2	3.8	3.6	1.8	2.4	18.0
20.0	1.7	1.9	2.5	2.5	2.9	3.3	3.6	3.4	1.3	1.7	2.4	2.4	3.0	2.8	1.1	1.6	20.0
22.0	1.0	1.2	1.8	1.8	2.2	2.6	2.9	2.7			1.7	1.7	2.3	2.1			22.0
24.0			1.2	1.2	1.6	2.0	2.2	2.1			1.2	1.1	1.7	1.5			24.0
26.0					1.1	1.5	1.7	1.5					1.2	1.0			26.0
28.0						1.1	1.3	1.1									28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	0	0	0	0	0	0	0	0									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	8.6	9.0															10.0
12.0	6.6	6.9	6.5	5.2	5.9		5.2										12.0
14.0	5.1	5.4	5.0	3.8	4.5	4.2	3.8	3.3									14.0
16.0	3.9	4.2	3.9	2.7	3.4	3.1	2.8	2.2									16.0
18.0	2.9	3.2	2.9	1.8	2.4	2.1	1.9	1.2									18.0
20.0	2.1	2.4	2.1	1.1	1.7	1.3	1.0										20.0
22.0	1.5	1.7	1.4														22.0
24.0		1.2															24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	11.4 m	10.7 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0	16.6																4.0
4.5	16.6	16.6	16.6	16.6	16.6												4.5
5.0	16.6	16.6	16.6	16.6	16.6	16.6											5.0
6.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6			16.6			6.0
7.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.8	15.1	16.6	16.6	16.6	16.6	7.0
8.0	16.1	16.6	16.6	16.6	16.6	16.5	16.3	16.6	16.6	16.6	14.5	13.9	15.3	16.6	16.6	16.6	8.0
9.0	14.9	15.0	15.5	15.9	16.2	15.3	13.9	15.0	15.8	16.2	13.4	12.8	13.0	14.3	15.2	15.5	9.0
10.0	13.6	12.5	13.0	13.3	13.6	13.9	12.0	12.8	13.4	13.9	12.5	11.9	11.2	12.5	13.4	13.7	10.0
12.0	10.0	9.0	9.5	9.8	10.1	10.3	8.7	9.3	9.9	10.3	10.5	10.4	8.5	9.5	10.1	10.3	12.0
14.0	7.7	6.8	7.2	7.5	7.8	8.0	6.4	7.1	7.5	8.0	8.1	8.2	6.4	7.2	7.7	7.9	14.0
16.0	6.1	5.2	5.6	5.9	6.1	6.3	4.8	5.4	5.9	6.3	6.5	6.5	4.8	5.5	6.1	6.3	16.0
18.0	4.9	4.0	4.4	4.6	4.9	5.1	3.6	4.2	4.7	5.1	5.2	5.3	3.6	4.3	4.9	5.1	18.0
20.0	3.9	3.0	3.4	3.7	3.9	4.1	2.7	3.3	3.7	4.1	4.3	4.3	2.7	3.4	3.9	4.1	20.0
22.0		2.3	2.7	3.0	3.2	3.4	1.9	2.5	3.0	3.4	3.5	3.6	1.9	2.6	3.2	3.3	22.0
24.0		1.6	2.1	2.3	2.6	2.8	1.2	1.9	2.4	2.7	2.9	2.9	1.2	2.0	2.5	2.7	24.0
26.0								1.3	1.9	2.2	2.4	2.4		1.4	2.0	2.2	26.0
28.0									1.3	1.8	2.0	2.0			1.6	1.8	28.0
30.0												1.6			1.1	1.3	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	16.0																7.0
8.0	14.9	14.1	14.6	16.0	16.3		15.2										8.0
9.0	13.9	13.2	12.5	13.9	14.2	14.5	14.2	13.9	13.0	12.2	12.7	13.0	13.4				9.0
10.0	13.0	12.3	10.8	12.1	12.5	12.7	12.9	13.1	12.3	10.6	11.1	11.4	11.8	11.9	12.3		10.0
12.0	10.5	10.5	8.2	9.5	9.8	10.0	10.2	10.4	10.3	8.2	8.6	8.8	9.3	9.4	9.8	9.6	12.0
14.0	8.1	8.1	6.3	7.4	7.6	7.7	7.9	8.1	8.1	6.3	6.7	7.0	7.4	7.5	7.9	7.7	14.0
16.0	6.4	6.5	4.8	5.7	5.9	6.1	6.2	6.4	6.4	4.9	5.3	5.5	5.9	5.9	6.2	6.2	16.0
18.0	5.2	5.2	3.7	4.5	4.7	4.9	5.0	5.2	5.2	3.8	4.1	4.4	4.7	4.7	5.0	5.0	18.0
20.0	4.2	4.3	2.7	3.6	3.8	3.9	4.1	4.2	4.2	2.8	3.2	3.4	3.7	3.8	4.0	4.1	20.0
22.0	3.5	3.5	1.9	2.8	3.0	3.2	3.3	3.4	3.5	2.1	2.4	2.7	3.0	3.0	3.3	3.3	22.0
24.0	2.9	2.9	1.3	2.2	2.4	2.5	2.7	2.8	2.8	1.4	1.8	2.0	2.3	2.4	2.7	2.7	24.0
26.0	2.4	2.4		1.6	1.9	2.0	2.2	2.3	2.3		1.2	1.5	1.8	1.9	2.1	2.2	26.0
28.0	1.9	1.9		1.1	1.3	1.5	1.7	1.9	1.9				1.3	1.4	1.7	1.7	28.0
30.0	1.5	1.5				1.1	1.3	1.5	1.5						1.2	1.3	30.0
32.0	1.1	1.2						1.1	1.1								32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	10.7 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	9.6		10.4														10.0
12.0	7.2	7.4	8.0	8.0	8.5	8.9	9.1	8.8	6.6	7.0	7.7	7.7	8.3				12.0
14.0	5.5	5.7	6.3	6.3	6.7	7.1	7.3	7.0	4.9	5.3	6.1	6.1	6.6	6.4	4.6	5.1	14.0
16.0	4.1	4.3	4.9	4.9	5.3	5.7	5.9	5.7	3.6	4.0	4.7	4.7	5.3	5.1	3.4	3.9	16.0
18.0	3.0	3.2	3.8	3.8	4.2	4.6	4.8	4.6	2.6	3.0	3.7	3.7	4.2	4.1	2.4	2.9	18.0
20.0	2.2	2.3	2.9	2.9	3.3	3.7	3.9	3.7	1.7	2.1	2.8	2.8	3.3	3.2	1.6	2.1	20.0
22.0	1.4	1.6	2.2	2.2	2.6	2.9	3.1	3.0	1.0	1.4	2.1	2.1	2.6	2.5		1.4	22.0
24.0			1.6	1.5	2.0	2.3	2.5	2.4			1.5	1.5	2.0	1.8			24.0
26.0			1.0		1.4	1.8	2.0	1.8					1.5	1.3			26.0
28.0						1.3	1.5	1.4					1.0				28.0
30.0							1.0										30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5										m
°	10	10	10	10	10	10	10										°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	5.7	6.0		4.5	5.1												14.0
16.0	4.4	4.7	4.4	3.3	3.9	3.6	3.3										16.0
18.0	3.4	3.7	3.4	2.3	2.9	2.7	2.4										18.0
20.0	2.6	2.8	2.6	1.5	2.1	1.8	1.6										20.0
22.0	1.9	2.1	1.8		1.4	1.1											22.0
24.0	1.3	1.5	1.2														24.0
26.0																	26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90										1
2	45	90	100	90	90	100	90										2
3	90	90	100	90	90	100	90										3
4	90	90	100	90	90	100	90										4
5	90	90	100	45	90	100	90										5
LK-Code	49	50	51	52	53	54	55										LK-Code
	2	2	2	2	2	2	2										

HAVHY	11.4 m	10.7 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	15.8																6.0
7.0	14.8	15.4	15.4	15.4	15.4	15.1											7.0
8.0	13.8	14.6	14.5	14.5	14.5	14.3	15.0	15.0	14.9	14.6	13.4	12.8		15.3			8.0
9.0	13.0	13.8	13.8	13.7	13.7	13.5	14.3	14.3	14.2	13.9	12.5	11.9	14.2	14.6	14.2	14.0	9.0
10.0	12.3	13.1	13.1	13.1	13.0	12.8	13.0	13.6	13.6	13.3	11.7	11.1	12.2	13.3	13.6	13.4	10.0
12.0	10.5	9.7	10.0	10.3	10.6	10.8	9.4	10.0	10.4	10.8	10.3	9.8	9.3	10.1	10.6	10.8	12.0
14.0	8.1	7.3	7.6	7.9	8.1	8.3	7.0	7.5	8.0	8.3	8.5	8.5	7.0	7.6	8.2	8.3	14.0
16.0	6.3	5.5	5.9	6.2	6.4	6.6	5.3	5.8	6.3	6.6	6.8	6.8	5.3	5.9	6.4	6.6	16.0
18.0	5.1	4.3	4.6	4.9	5.1	5.3	4.0	4.5	5.0	5.3	5.5	5.5	4.0	4.6	5.2	5.3	18.0
20.0	4.0	3.3	3.6	3.9	4.1	4.3	3.0	3.5	4.0	4.3	4.5	4.5	3.0	3.7	4.2	4.3	20.0
22.0		2.5	2.8	3.1	3.3	3.5	2.2	2.8	3.2	3.5	3.7	3.7	2.2	2.9	3.4	3.5	22.0
24.0		1.8	2.2	2.4	2.6	2.8	1.5	2.1	2.5	2.9	3.0	3.1	1.4	2.2	2.7	2.9	24.0
26.0								1.5	2.0	2.3	2.5	2.5		1.6	2.2	2.3	26.0
28.0									1.4	1.9	2.0	2.1		1.0	1.7	1.9	28.0
30.0															1.2	1.4	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	12.6	12.1	13.6														9.0
10.0	11.9	11.3	11.8	13.0	13.2	13.5	12.1										10.0
12.0	10.7	10.1	9.0	10.1	10.4	10.6	10.8	10.8	10.2	8.9	9.3	9.5	9.9	10.0	10.4	10.2	12.0
14.0	8.5	8.5	7.0	7.8	8.0	8.2	8.3	8.5	8.5	6.9	7.3	7.5	7.9	8.0	8.3	8.2	14.0
16.0	6.8	6.8	5.4	6.1	6.3	6.5	6.6	6.7	6.8	5.4	5.8	6.0	6.3	6.3	6.6	6.6	16.0
18.0	5.5	5.5	4.1	4.8	5.0	5.2	5.3	5.4	5.5	4.2	4.6	4.7	5.0	5.0	5.3	5.3	18.0
20.0	4.5	4.5	3.1	3.8	4.0	4.2	4.3	4.4	4.5	3.2	3.6	3.7	4.0	4.0	4.3	4.3	20.0
22.0	3.7	3.7	2.3	3.1	3.2	3.4	3.5	3.6	3.7	2.4	2.8	3.0	3.2	3.3	3.5	3.5	22.0
24.0	3.0	3.0	1.6	2.4	2.6	2.7	2.9	3.0	3.0	1.7	2.1	2.3	2.6	2.6	2.8	2.9	24.0
26.0	2.5	2.5		1.9	2.0	2.2	2.3	2.5	2.5	1.2	1.5	1.7	2.0	2.1	2.3	2.3	26.0
28.0	2.0	2.0		1.3	1.5	1.7	1.9	2.0	2.0			1.2	1.5	1.6	1.9	1.9	28.0
30.0	1.6	1.6			1.0	1.2	1.4	1.6	1.6				1.0	1.1	1.4	1.4	30.0
32.0	1.2	1.2						1.2	1.2							1.0	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	8.0	8.2	8.7														12.0
	14.0	6.2	6.3	6.9	6.9	7.3	7.6	7.8		5.6	6.0	6.6	6.6	7.2				14.0
	16.0	4.7	4.9	5.4	5.4	5.8	6.2	6.4	6.1	4.2	4.6	5.2	5.2	5.7	5.6	4.0	4.4	16.0
	18.0	3.5	3.7	4.3	4.2	4.7	5.0	5.2	5.0	3.1	3.5	4.1	4.1	4.6	4.5	2.9	3.4	18.0
	20.0	2.6	2.8	3.3	3.3	3.7	4.0	4.2	4.1	2.2	2.6	3.2	3.2	3.7	3.6	2.0	2.5	20.0
	22.0	1.8	2.0	2.5	2.5	2.9	3.2	3.4	3.3	1.4	1.8	2.4	2.4	2.9	2.8	1.3	1.8	22.0
	24.0	1.2	1.3	1.9	1.8	2.2	2.6	2.7	2.6		1.1	1.8	1.8	2.3	2.2		1.1	24.0
	26.0			1.3	1.3	1.7	2.0	2.2	2.1			1.2	1.2	1.7	1.6			26.0
	28.0					1.2	1.5	1.7	1.6					1.2	1.1			28.0
	30.0						1.0	1.2	1.2									30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5										m
	°	20	20	20	20	20	20	20										°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	4.9	5.2															16.0
	18.0	3.8	4.1	3.8	2.8	3.4		2.9										18.0
	20.0	3.0	3.2	3.0	2.0	2.5	2.3	2.1										20.0
	22.0	2.2	2.5	2.2	1.3	1.8	1.5	1.3										22.0
	24.0	1.6	1.8	1.6		1.2												24.0
	26.0	1.0	1.3	1.0														26.0
	28.0																	28.0
	30.0																	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	45	0	0	90	45	45	90										1
	2	45	90	100	90	90	100	90										2
	3	90	90	100	90	90	100	90										3
	4	90	90	100	90	90	100	90										4
	5	90	90	100	45	90	100	90										5
	LK-Code	49	50	51	52	53	54	55										LK-Code
		2	2	2	2	2	2	2										

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	12.2	12.6	12.6	12.6	12.5												8.0
	9.0	11.6	12.0	12.0	12.0	12.0	11.8	12.3	12.3	12.2	12.0							9.0
	10.0	11.1	11.5	11.5	11.5	11.5	11.4	11.8	11.8	11.8	11.6	11.0	10.5	12.1	12.0	11.8		10.0
	12.0	10.1	10.3	10.6	10.7	10.6	10.5	10.1	10.5	10.9	10.8	9.8	9.4	10.1	10.6	11.1	11.0	12.0
	14.0	8.4	7.7	8.0	8.3	8.5	8.7	7.5	8.0	8.4	8.7	8.9	8.4	7.5	8.1	8.6	8.7	14.0
	16.0	6.6	5.9	6.2	6.5	6.7	6.9	5.7	6.2	6.6	6.9	7.1	7.1	5.7	6.3	6.8	6.9	16.0
	18.0	5.2	4.5	4.9	5.1	5.3	5.5	4.3	4.8	5.2	5.6	5.7	5.7	4.4	4.9	5.4	5.6	18.0
	20.0		3.5	3.8	4.1	4.3	4.5	3.3	3.8	4.2	4.5	4.7	4.7	3.3	3.9	4.4	4.5	20.0
	22.0		2.6	2.9	3.2	3.4	3.6	2.4	2.9	3.3	3.7	3.8	3.9	2.5	3.1	3.5	3.7	22.0
	24.0							1.7	2.2	2.6	3.0	3.1	3.2	1.7	2.4	2.9	3.0	24.0
	26.0								1.6	2.0	2.4	2.5	2.6		1.8	2.3	2.4	26.0
	28.0												2.1		1.2	1.8	2.0	28.0
	30.0															1.3	1.5	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	10.0	9.5	9.8	10.8	11.0	11.1	10.2	10.0		9.6	10.0		10.3				12.0
	14.0	8.9	8.7	7.6	8.3	8.5	8.6	8.7	8.8	8.8	7.5	7.9	8.1	8.4	8.5	8.7	8.7	14.0
	16.0	7.1	7.1	5.9	6.5	6.7	6.8	6.9	7.0	7.1	5.9	6.3	6.4	6.6	6.7	6.9	6.9	16.0
	18.0	5.7	5.7	4.5	5.1	5.3	5.4	5.6	5.7	5.7	4.7	4.9	5.1	5.3	5.3	5.6	5.6	18.0
	20.0	4.7	4.7	3.5	4.1	4.3	4.4	4.5	4.7	4.7	3.6	3.9	4.0	4.3	4.3	4.5	4.6	20.0
	22.0	3.8	3.9	2.6	3.3	3.4	3.6	3.7	3.8	3.9	2.8	3.0	3.2	3.4	3.5	3.7	3.7	22.0
	24.0	3.2	3.2	1.9	2.6	2.8	2.9	3.0	3.2	3.2	2.0	2.3	2.5	2.7	2.8	3.0	3.0	24.0
	26.0	2.6	2.6	1.2	2.0	2.2	2.3	2.4	2.6	2.6	1.4	1.7	1.9	2.2	2.2	2.5	2.5	26.0
	28.0	2.1	2.1		1.5	1.7	1.8	2.0	2.1	2.1		1.2	1.4	1.7	1.7	2.0	2.0	28.0
	30.0	1.7	1.7			1.2	1.4	1.5	1.7	1.7				1.2	1.2	1.5	1.6	30.0
	32.0							1.1	1.2	1.3						1.1	1.1	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	10.7 t	7.7 m x 4.7 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	6.8	6.9	7.4	7.4	7.8	8.1											14.0
	16.0	5.3	5.4	5.9	5.9	6.3	6.6	6.8	6.6	4.8	5.1	5.7	5.7	6.2				16.0
	18.0	4.0	4.2	4.7	4.7	5.1	5.3	5.5	5.4	3.6	3.9	4.5	4.5	5.0	4.8	3.4	3.8	18.0
	20.0	3.0	3.2	3.7	3.7	4.0	4.3	4.4	4.4	2.6	3.0	3.6	3.6	4.0	3.9	2.5	2.9	20.0
	22.0	2.2	2.3	2.9	2.8	3.2	3.4	3.6	3.6	1.8	2.1	2.8	2.8	3.2	3.1	1.7	2.1	22.0
	24.0	1.5	1.6	2.1	2.1	2.5	2.8	2.9	2.9	1.1	1.5	2.1	2.1	2.6	2.5		1.4	24.0
	26.0		1.0	1.5	1.5	1.9	2.2	2.3	2.3			1.5	1.5	2.0	1.9			26.0
	28.0			1.0		1.4	1.7	1.9	1.8					1.5	1.4			28.0
	30.0						1.2	1.4	1.3					1.0				30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5										m
	°	30	30	30	30	30	30	30										°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	4.3	4.5															18.0
	20.0	3.3	3.6	3.3	2.4	2.9		2.5										20.0
	22.0	2.5	2.8	2.6	1.6	2.2	2.0	1.7										22.0
	24.0	1.9	2.1	1.9		1.5	1.3	1.1										24.0
	26.0	1.3	1.6	1.3														26.0
	28.0		1.1															28.0
	30.0																	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90										1
	2	45	90	100	90	90	100	90										2
	3	90	90	100	90	90	100	90										3
	4	90	90	100	90	90	100	90										4
	5	90	90	100	45	90	100	90										5
	LK-Code	49	50	51	52	53	54	55										LK-Code
		2	2	2	2	2	2	2										

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0	10.5																9.0
	10.0	10.1	10.4	10.4	10.4	10.4	10.3		10.5									10.0
	12.0	9.4	9.8	9.7	9.7	9.7	9.6	10.0	9.9	9.9	9.8	9.4	9.0	10.1	10.1	9.9	9.9	12.0
	14.0	8.7	8.1	8.4	8.7	8.8	9.0	8.0	8.4	8.8	9.0	8.5	8.2	8.0	8.5	8.9	9.1	14.0
	16.0	6.8	6.2	6.5	6.8	6.9	7.1	6.1	6.5	6.9	7.2	7.3	7.3	6.1	6.6	7.1	7.2	16.0
	18.0	5.3	4.8	5.1	5.3	5.5	5.7	4.6	5.1	5.5	5.8	5.9	5.9	4.7	5.2	5.7	5.8	18.0
	20.0		3.6	4.0	4.2	4.4	4.6	3.5	4.0	4.4	4.7	4.8	4.9	3.6	4.1	4.6	4.7	20.0
	22.0		2.7	3.0	3.3	3.5	3.7	2.6	3.1	3.5	3.8	3.9	4.0	2.7	3.2	3.7	3.8	22.0
	24.0							1.8	2.3	2.7	3.0	3.2	3.3	1.9	2.5	3.0	3.1	24.0
	26.0												2.6	1.1	1.9	2.4	2.5	26.0
	28.0														1.2	1.8	2.0	28.0
	30.0																	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	9.5	9.1	10.2	10.0													12.0
	14.0	8.7	8.3	8.1	8.7	8.8	9.0	8.9	8.8	8.3	8.1	8.4	8.6	8.8	8.9	8.8		14.0
	16.0	7.3	7.3	6.2	6.8	7.0	7.1	7.2	7.3	7.3	6.4	6.6	6.8	7.0	7.0	7.2	7.2	16.0
	18.0	5.9	6.0	4.8	5.4	5.6	5.7	5.8	5.9	6.0	5.0	5.2	5.4	5.6	5.6	5.8	5.8	18.0
	20.0	4.8	4.9	3.7	4.3	4.5	4.6	4.7	4.8	4.9	3.9	4.1	4.3	4.5	4.5	4.7	4.8	20.0
	22.0	4.0	4.0	2.8	3.4	3.6	3.7	3.9	4.0	4.0	3.0	3.2	3.4	3.6	3.7	3.9	3.9	22.0
	24.0	3.3	3.3	2.1	2.7	2.9	3.0	3.1	3.3	3.3	2.3	2.5	2.7	2.9	2.9	3.2	3.2	24.0
	26.0	2.7	2.7	1.4	2.1	2.3	2.4	2.5	2.7	2.7	1.6	1.9	2.1	2.3	2.4	2.6	2.6	26.0
	28.0	2.1	2.2		1.6	1.8	1.9	2.0	2.2	2.2	1.0	1.3	1.5	1.8	1.8	2.1	2.1	28.0
	30.0				1.0	1.2	1.4	1.6	1.7	1.8				1.3	1.3	1.6	1.7	30.0
	32.0							1.1	1.3	1.4						1.2	1.2	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	11.4 m	10.7 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	5.8	5.9	6.4	6.4	6.7	7.0	7.1		5.3	5.6	6.2						16.0
18.0	4.5	4.6	5.1	5.1	5.4	5.6	5.7	5.7	4.0	4.4	4.9	4.9	5.4	5.2	3.8	4.3	18.0
20.0	3.4	3.5	4.0	4.0	4.3	4.5	4.6	4.6	3.0	3.3	3.9	3.9	4.4	4.2	2.8	3.3	20.0
22.0	2.5	2.7	3.1	3.1	3.4	3.6	3.8	3.8	2.1	2.5	3.1	3.1	3.5	3.4	2.0	2.4	22.0
24.0	1.7	1.9	2.4	2.4	2.7	2.9	3.1	3.1	1.4	1.7	2.3	2.3	2.8	2.7	1.3	1.7	24.0
26.0	1.1	1.3	1.8	1.7	2.1	2.3	2.5	2.5		1.1	1.7	1.7	2.2	2.1		1.1	26.0
28.0			1.2	1.2	1.5	1.8	2.0	2.0			1.2	1.2	1.6	1.6			28.0
30.0					1.1	1.3	1.5	1.5					1.2	1.1			30.0
32.0							1.1	1.1									32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7											m
°	40	40	40	40	40	40											°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	4.7	4.9															18.0
20.0	3.7	3.9		2.8	3.3												20.0
22.0	2.8	3.1	2.9	2.0	2.5	2.3											22.0
24.0	2.1	2.4	2.2	1.3	1.8	1.6											24.0
26.0	1.5	1.8	1.6		1.2	1.1											26.0
28.0	1.0	1.3	1.1														28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45											1
2	45	90	100	90	90	100											2
3	90	90	100	90	90	100											3
4	90	90	100	90	90	100											4
5	90	90	100	45	90	100											5
LK-Code	49	50	51	52	53	54											LK-Code
	2	2	2	2	2	2											

HAVHY	21.0 m	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0	10.0																3.0
3.5	9.9																3.5
4.0	9.9	9.7	9.8	9.8	9.7	9.2											4.0
4.5	9.8	9.6	9.7	9.7	9.7	9.2	9.4	9.5	9.4	8.8							4.5
5.0	9.7	9.5	9.6	9.6	9.6	9.1	9.3	9.4	9.3	8.8	8.2	8.0		9.1			5.0
6.0	9.5	9.3	9.5	9.4	9.4	9.0	9.2	9.3	9.2	8.7	8.2	8.0	9.0	9.0	8.4	8.0	6.0
7.0	9.3	9.2	9.3	9.2	9.2	8.8	9.0	9.1	9.0	8.5	8.1	7.9	8.8	8.9	8.3	8.0	7.0
8.0	9.1	9.0	9.1	9.1	9.0	8.6	8.9	9.0	8.9	8.4	8.0	7.8	8.7	8.7	8.2	7.9	8.0
9.0	8.8	8.8	8.9	8.9	8.8	8.5	8.7	8.8	8.7	8.3	7.9	7.7	8.5	8.6	8.1	7.8	9.0
10.0	8.5	8.6	8.6	8.6	8.6	8.3	8.6	8.6	8.6	8.1	7.8	7.6	8.4	8.4	8.0	7.7	10.0
12.0	7.7	8.1	8.1	8.1	8.1	7.9	8.2	8.2	8.2	7.8	7.5	7.4	8.1	8.2	7.7	7.5	12.0
14.0	7.0	7.6	7.5	7.5	7.5	7.4	7.8	7.8	7.8	7.5	7.3	7.1	7.8	7.8	7.5	7.2	14.0
16.0	6.3	6.9	6.9	6.9	6.9	6.8	7.4	7.4	7.3	7.2	7.0	6.8	7.5	7.5	7.2	7.0	16.0
18.0	5.7	6.4	6.3	6.3	6.3	6.2	6.8	6.8	6.8	6.7	6.5	6.4	7.2	7.2	7.0	6.8	18.0
20.0	5.2	5.8	5.8	5.8	5.8	5.7	6.3	6.3	6.3	6.2	6.1	6.0	6.7	6.7	6.5	6.5	20.0
22.0	4.8	5.3	5.3	5.3	5.3	5.3	5.9	5.8	5.8	5.7	5.6	5.4	6.3	6.2	6.1	6.1	22.0
24.0	4.5	5.0	4.9	4.9	4.9	4.9	5.4	5.4	5.3	5.3	5.2	4.9	5.9	5.8	5.7	5.7	24.0
26.0	4.2	4.7	4.6	4.6	4.6	4.6	5.1	5.0	5.0	5.0	4.7	4.5	5.5	5.4	5.4	5.3	26.0
28.0	4.0	4.4	4.3	4.3	4.3	4.3	4.8	4.7	4.7	4.7	4.4	4.1	5.1	5.1	5.0	5.0	28.0
30.0	3.8	4.1	4.1	4.1	4.1	4.1	4.5	4.5	4.4	4.4	4.0	3.8	4.9	4.8	4.8	4.7	30.0
32.0		4.0	3.9	3.9	3.9	3.9	4.3	4.2	4.2	4.2	3.7	3.5	4.6	4.5	4.5	4.3	32.0
34.0		3.8	3.8	3.8	3.8	3.8	4.1	4.0	4.0	4.0	3.5	3.3	4.4	4.3	4.3	4.0	34.0
36.0							3.9	3.9	3.9	3.9	3.3	3.1	4.2	4.1	4.1	3.7	36.0
38.0							3.8	3.8	3.8	3.8	3.1	2.9	4.0	4.0	4.0	3.5	38.0
40.0													3.9	3.9	3.9	3.3	40.0
42.0													3.8	3.8	3.8	3.1	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	7.7	7.4	8.6	8.2													6.0
7.0	7.6	7.4	8.5	8.1	7.8	7.6	7.4	7.0		7.7	7.7						7.0
8.0	7.5	7.3	8.4	8.0	7.7	7.5	7.3	6.9	6.4	7.6	7.6	7.4	7.1	7.0	6.5		8.0
9.0	7.5	7.2	8.3	7.9	7.7	7.4	7.2	6.9	6.4	7.6	7.5	7.4	7.0	6.9	6.5	5.9	9.0
10.0	7.4	7.2	8.2	7.8	7.6	7.3	7.1	6.8	6.4	7.5	7.5	7.3	7.0	6.9	6.5	5.9	10.0
12.0	7.2	7.0	7.9	7.6	7.4	7.2	7.0	6.7	6.3	7.3	7.3	7.1	6.8	6.7	6.4	5.9	12.0
14.0	7.0	6.8	7.7	7.4	7.2	7.0	6.8	6.6	6.2	7.1	7.1	7.0	6.7	6.6	6.3	5.9	14.0
16.0	6.8	6.6	7.4	7.2	7.0	6.8	6.7	6.4	6.1	7.0	6.9	6.8	6.5	6.5	6.2	5.8	16.0
18.0	6.6	6.3	7.2	6.9	6.8	6.7	6.5	6.2	5.9	6.8	6.8	6.7	6.4	6.4	6.0	5.7	18.0
20.0	6.4	6.1	7.0	6.7	6.6	6.5	6.4	5.9	5.6	6.6	6.6	6.5	6.3	6.2	5.8	5.6	20.0
22.0	6.0	5.7	6.6	6.4	6.4	6.3	6.2	5.7	5.3	6.4	6.4	6.3	6.1	6.1	5.6	5.3	22.0
24.0	5.6	5.3	6.2	6.1	6.0	6.0	5.9	5.4	5.0	6.3	6.2	6.2	6.0	5.9	5.4	5.0	24.0
26.0	5.2	4.9	5.9	5.7	5.7	5.6	5.5	5.0	4.6	6.0	6.0	5.9	5.8	5.8	5.2	4.8	26.0
28.0	4.7	4.5	5.5	5.4	5.4	5.3	5.2	4.6	4.3	5.7	5.7	5.6	5.4	5.4	4.8	4.5	28.0
30.0	4.4	4.1	5.2	5.1	5.0	5.0	4.8	4.2	3.9	5.4	5.4	5.3	5.1	5.0	4.5	4.2	30.0
32.0	4.1	3.8	4.9	4.8	4.8	4.7	4.4	3.9	3.6	5.1	5.1	5.1	4.8	4.7	4.2	3.9	32.0
34.0	3.8	3.6	4.7	4.6	4.6	4.4	4.2	3.6	3.3	4.9	4.8	4.8	4.5	4.3	3.8	3.6	34.0
36.0	3.6	3.3	4.4	4.4	4.4	4.1	3.9	3.3	3.0	4.6	4.6	4.6	4.2	4.0	3.6	3.3	36.0
38.0	3.4	3.2	4.3	4.2	4.1	3.8	3.7	3.1	2.8	4.5	4.4	4.4	4.0	3.7	3.3	3.0	38.0
40.0	3.2	3.0	4.1	4.0	3.9	3.6	3.5	2.9	2.6	4.3	4.2	4.2	3.8	3.4	3.1	2.8	40.0
42.0	3.1	2.9	4.0	3.9	3.7	3.4	3.3	2.7	2.4	4.1	4.1	3.9	3.6	3.2	2.9	2.6	42.0
44.0			3.9	3.8	3.5	3.2	3.2	2.5	2.2	4.0	4.0	3.7	3.4	3.0	2.7	2.5	44.0
46.0			3.5	3.8	3.3	3.1	3.1	2.4	2.1	3.6	3.8	3.6	3.3	2.8	2.6	2.3	46.0
48.0									2.0	3.2	3.5	3.4	3.2	2.6	2.5	2.2	48.0
50.0										2.9	3.1	3.2	3.1	2.5	2.4	2.1	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	7.3																8.0
	9.0	7.2	7.1	6.7	7.0	6.7	6.3	6.0										9.0
	10.0	7.2	7.1	6.7	6.9	6.6	6.3	6.0	5.2	6.6	6.4	5.9	6.2	5.6				10.0
	12.0	7.0	6.9	6.6	6.8	6.5	6.2	6.0	5.2	6.5	6.4	5.9	6.1	5.6	4.8	5.9	5.5	12.0
	14.0	6.9	6.8	6.4	6.7	6.4	6.1	5.9	5.2	6.4	6.2	5.8	6.0	5.6	4.8	5.9	5.5	14.0
	16.0	6.7	6.6	6.3	6.5	6.3	6.0	5.8	5.2	6.3	6.1	5.7	5.9	5.6	4.8	5.8	5.5	16.0
	18.0	6.6	6.5	6.2	6.4	6.2	5.9	5.7	5.2	6.2	6.0	5.7	5.8	5.5	4.8	5.7	5.4	18.0
	20.0	6.4	6.4	6.1	6.3	6.1	5.8	5.7	5.2	6.1	5.9	5.6	5.8	5.4	4.8	5.6	5.4	20.0
	22.0	6.3	6.2	6.0	6.1	5.9	5.6	5.5	5.1	6.0	5.8	5.5	5.7	5.4	4.8	5.5	5.3	22.0
	24.0	6.1	6.1	5.9	6.0	5.8	5.4	5.3	5.0	5.9	5.7	5.3	5.6	5.2	4.8	5.4	5.2	24.0
	26.0	6.0	5.9	5.7	5.9	5.7	5.2	5.1	4.8	5.8	5.6	5.2	5.5	5.0	4.7	5.4	5.2	26.0
	28.0	5.8	5.8	5.6	5.7	5.6	5.0	4.9	4.5	5.6	5.5	5.0	5.4	4.9	4.5	5.3	5.1	28.0
	30.0	5.6	5.6	5.3	5.5	5.3	4.8	4.7	4.3	5.5	5.4	4.8	5.3	4.7	4.3	5.2	5.0	30.0
	32.0	5.4	5.4	5.1	5.3	5.0	4.5	4.4	4.1	5.4	5.3	4.6	5.2	4.5	4.2	5.1	4.9	32.0
	34.0	5.1	5.1	4.8	5.1	4.7	4.2	4.0	3.8	5.2	5.1	4.4	4.9	4.3	4.0	5.1	4.9	34.0
	36.0	4.9	4.9	4.5	4.8	4.3	3.9	3.7	3.6	5.0	5.0	4.1	4.6	4.0	3.7	4.9	4.7	36.0
	38.0	4.6	4.7	4.3	4.6	4.0	3.6	3.4	3.3	4.7	4.8	3.9	4.3	3.7	3.5	4.6	4.5	38.0
	40.0	4.5	4.5	4.1	4.4	3.7	3.4	3.2	3.0	4.2	4.4	3.6	4.0	3.4	3.3	4.0	4.2	40.0
	42.0	3.9	4.1	3.9	4.1	3.5	3.2	2.9	2.8	3.6	3.9	3.4	3.7	3.2	3.0	3.5	3.9	42.0
	44.0	3.5	3.6	3.7	3.9	3.2	3.0	2.7	2.6	3.2	3.5	3.2	3.5	3.0	2.8	3.1	3.5	44.0
	46.0	3.1	3.2	3.5	3.6	3.0	2.8	2.5	2.4	2.8	3.1	3.0	3.3	2.8	2.6	2.7	3.0	46.0
	48.0	2.7	2.8	3.2	3.2	2.9	2.7	2.3	2.2	2.4	2.7	2.9	3.0	2.6	2.4	2.3	2.7	48.0
	50.0	2.4	2.5	2.9	2.9	2.7	2.6	2.2	2.0	2.1	2.3	2.7	2.8	2.4	2.2	1.9	2.3	50.0
	54.0	1.8	1.9	2.3	2.3	2.5	2.4	1.9	1.7	1.5	1.8	2.3	2.2	2.1	1.9	1.4	1.7	54.0
	58.0								1.5	1.0	1.3	1.8	1.8	1.9	1.7		1.2	58.0
	62.0														1.4			62.0
	66.0																	66.0
%	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	0	0	0	0	0	0	0	0									°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	5.1	5.1		4.9	4.5												12.0
	14.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0										14.0
	16.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									16.0
	18.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									18.0
	20.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									20.0
	22.0	5.1	5.0	4.2	4.9	4.5	3.6	4.0	3.0									22.0
	24.0	5.0	5.0	4.2	4.9	4.5	3.6	4.0	3.0									24.0
	26.0	4.9	4.9	4.2	4.9	4.5	3.6	4.0	3.0									26.0
	28.0	4.8	4.7	4.2	4.8	4.5	3.6	4.0	3.0									28.0
	30.0	4.6	4.6	4.2	4.7	4.4	3.6	4.0	3.0									30.0
	32.0	4.5	4.4	4.1	4.7	4.3	3.6	4.0	3.0									32.0
	34.0	4.3	4.3	3.9	4.6	4.2	3.6	4.0	3.0									34.0
	36.0	4.1	4.1	3.8	4.5	4.1	3.6	3.9	3.0									36.0
	38.0	3.9	3.9	3.6	4.4	3.9	3.5	3.8	3.0									38.0
	40.0	3.7	3.6	3.4	4.1	3.8	3.4	3.7	3.0									40.0
	42.0	3.4	3.4	3.2	3.5	3.6	3.2	3.6	3.0									42.0
	44.0	3.2	3.2	3.0	3.1	3.4	3.1	3.2	2.9									44.0
	46.0	3.0	2.9	2.8	2.7	3.1	2.9	2.8	2.5									46.0
	48.0	2.8	2.8	2.6	2.3	2.7	2.6	2.4	2.2									48.0
	50.0	2.6	2.6	2.4	1.9	2.4	2.3	2.0	1.8									50.0
	54.0	2.1	2.3	2.1	1.3	1.8	1.7	1.4	1.2									54.0
	58.0	1.6	1.8	1.6		1.3	1.2											58.0
	62.0	1.2	1.4	1.2														62.0
	66.0																	66.0
%	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	21.0 m	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	9.0																7.0
8.0	8.8	8.7	8.8	8.8	8.7	8.4											8.0
9.0	8.2	8.5	8.5	8.5	8.5	8.2	8.4	8.5	8.4	8.1							9.0
10.0	7.7	8.1	8.1	8.1	8.1	8.0	8.2	8.3	8.2	7.9	7.6	7.4	8.1	8.2	7.8	7.5	10.0
12.0	6.9	7.3	7.3	7.3	7.3	7.2	7.6	7.6	7.6	7.4	7.3	7.2	7.8	7.8	7.5	7.3	12.0
14.0	6.3	6.7	6.7	6.6	6.6	6.6	7.0	6.9	6.9	6.8	6.8	6.8	7.2	7.2	7.0	7.0	14.0
16.0	5.7	6.1	6.1	6.1	6.1	6.0	6.4	6.4	6.4	6.3	6.2	6.3	6.7	6.7	6.5	6.5	16.0
18.0	5.2	5.6	5.6	5.6	5.6	5.6	6.0	5.9	5.9	5.9	5.8	5.9	6.3	6.2	6.1	6.1	18.0
20.0	4.9	5.2	5.2	5.2	5.2	5.2	5.6	5.5	5.5	5.5	5.4	5.5	5.8	5.8	5.7	5.7	20.0
22.0	4.5	4.9	4.9	4.9	4.9	4.8	5.2	5.2	5.2	5.1	5.1	5.1	5.5	5.4	5.4	5.3	22.0
24.0	4.2	4.6	4.6	4.6	4.6	4.6	4.9	4.9	4.9	4.8	4.8	4.7	5.2	5.1	5.1	5.0	24.0
26.0	4.0	4.4	4.3	4.3	4.3	4.3	4.7	4.6	4.6	4.6	4.5	4.4	4.9	4.9	4.8	4.8	26.0
28.0	3.9	4.1	4.1	4.1	4.1	4.1	4.4	4.4	4.4	4.3	4.2	4.0	4.7	4.6	4.6	4.6	28.0
30.0	3.8	4.0	3.9	3.9	3.9	3.9	4.2	4.2	4.2	4.1	3.9	3.7	4.4	4.4	4.4	4.3	30.0
32.0		3.8	3.8	3.8	3.8	3.8	4.0	4.0	4.0	4.0	3.7	3.4	4.3	4.2	4.2	4.2	32.0
34.0		3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.8	3.4	3.2	4.1	4.0	4.0	3.9	34.0
36.0							3.8	3.8	3.8	3.8	3.3	3.0	3.9	3.9	3.9	3.7	36.0
38.0							3.8	3.8	3.8	3.8	3.1	2.9	3.8	3.8	3.8	3.5	38.0
40.0													3.8	3.8	3.8	3.3	40.0
42.0													3.8	3.8	3.8	3.1	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	7.1	6.9	7.7	7.4	7.2	7.0	6.9	6.6		7.1	7.1	7.0	6.7				12.0
14.0	6.9	6.7	7.4	7.2	7.0	6.8	6.7	6.5	6.1	7.0	6.9	6.8	6.6	6.5	6.2	5.8	14.0
16.0	6.4	6.4	6.9	6.7	6.7	6.6	6.5	6.3	6.0	6.8	6.8	6.6	6.4	6.4	6.1	5.7	16.0
18.0	6.0	6.0	6.5	6.3	6.3	6.2	6.2	6.1	5.9	6.5	6.5	6.4	6.2	6.2	6.0	5.7	18.0
20.0	5.6	5.6	6.1	5.9	5.9	5.9	5.8	5.7	5.7	6.1	6.1	6.0	6.0	6.0	5.8	5.5	20.0
22.0	5.3	5.3	5.7	5.6	5.6	5.5	5.5	5.5	5.4	5.8	5.8	5.7	5.7	5.7	5.6	5.4	22.0
24.0	5.0	5.0	5.4	5.3	5.3	5.2	5.2	5.2	5.0	5.5	5.5	5.5	5.4	5.4	5.3	5.1	24.0
26.0	4.7	4.6	5.1	5.0	5.0	5.0	4.9	4.8	4.6	5.2	5.2	5.2	5.1	5.1	5.0	4.7	26.0
28.0	4.5	4.3	4.9	4.8	4.8	4.7	4.7	4.5	4.2	5.0	5.0	4.9	4.9	4.9	4.7	4.4	28.0
30.0	4.2	4.0	4.7	4.6	4.6	4.5	4.5	4.2	3.8	4.8	4.7	4.7	4.6	4.7	4.3	4.0	30.0
32.0	4.0	3.7	4.5	4.4	4.4	4.4	4.2	3.9	3.5	4.6	4.6	4.5	4.4	4.5	4.1	3.7	32.0
34.0	3.7	3.5	4.3	4.2	4.2	4.2	4.0	3.5	3.3	4.4	4.4	4.4	4.2	4.2	3.8	3.5	34.0
36.0	3.5	3.3	4.1	4.1	4.1	4.0	3.8	3.3	3.0	4.3	4.2	4.2	4.0	4.0	3.5	3.2	36.0
38.0	3.3	3.1	4.0	3.9	4.0	3.7	3.6	3.1	2.8	4.1	4.1	4.1	3.8	3.7	3.3	3.0	38.0
40.0	3.2	3.0	3.9	3.8	3.8	3.5	3.4	2.9	2.6	4.0	3.9	4.0	3.6	3.4	3.1	2.8	40.0
42.0	3.1	2.8	3.8	3.8	3.7	3.4	3.3	2.7	2.4	3.9	3.8	3.8	3.4	3.2	2.9	2.6	42.0
44.0			3.8	3.8	3.5	3.2	3.1	2.5	2.2	3.8	3.8	3.7	3.3	3.0	2.7	2.4	44.0
46.0			3.6	3.8	3.3	3.1	3.1	2.4	2.1	3.7	3.8	3.5	3.2	2.8	2.6	2.3	46.0
48.0									2.0	3.3	3.6	3.4	3.1	2.6	2.5	2.2	48.0
50.0										3.0	3.2	3.2	3.0	2.5	2.4	2.1	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	6.7	6.6	6.4	6.6	6.3	6.1	5.9		6.3								14.0
	16.0	6.6	6.5	6.2	6.4	6.2	6.0	5.8	5.2	6.2	6.1	5.7	5.9	5.5		5.7	5.5	16.0
	18.0	6.4	6.3	6.1	6.3	6.1	5.9	5.7	5.2	6.1	6.0	5.6	5.8	5.5	4.8	5.6	5.4	18.0
	20.0	6.2	6.2	5.9	6.1	5.9	5.8	5.6	5.2	6.0	5.8	5.5	5.7	5.4	4.8	5.5	5.3	20.0
	22.0	5.9	5.9	5.8	5.8	5.8	5.6	5.5	5.1	5.8	5.7	5.4	5.6	5.3	4.8	5.5	5.3	22.0
↑ m	24.0	5.6	5.6	5.5	5.6	5.5	5.4	5.4	5.0	5.7	5.6	5.3	5.5	5.2	4.8	5.4	5.2	24.0
	26.0	5.4	5.4	5.3	5.3	5.3	5.2	5.1	4.8	5.5	5.4	5.2	5.3	5.1	4.7	5.3	5.1	26.0
	28.0	5.1	5.1	5.1	5.1	5.0	4.8	4.8	4.6	5.2	5.2	5.0	5.1	4.9	4.6	5.2	5.0	28.0
	30.0	4.9	4.9	4.8	4.9	4.8	4.6	4.5	4.3	5.0	5.0	4.7	4.9	4.6	4.4	5.0	4.9	30.0
	32.0	4.7	4.7	4.6	4.7	4.6	4.3	4.2	4.0	4.8	4.8	4.4	4.8	4.4	4.1	4.9	4.8	32.0
	34.0	4.5	4.5	4.4	4.5	4.4	4.0	3.9	3.7	4.7	4.6	4.2	4.6	4.1	3.9	4.7	4.6	34.0
	36.0	4.4	4.4	4.2	4.4	4.2	3.8	3.7	3.4	4.5	4.5	3.9	4.4	3.9	3.6	4.6	4.5	36.0
	38.0	4.3	4.3	4.1	4.2	3.9	3.5	3.4	3.2	4.4	4.3	3.7	4.2	3.6	3.4	4.4	4.3	38.0
	40.0	4.1	4.1	3.8	4.1	3.7	3.3	3.2	3.0	4.2	4.2	3.5	3.9	3.4	3.2	4.3	4.1	40.0
	42.0	4.0	4.0	3.7	4.0	3.5	3.1	3.0	2.8	4.0	4.1	3.3	3.7	3.2	3.0	3.9	3.9	42.0
	44.0	3.7	3.9	3.5	3.8	3.2	2.9	2.7	2.6	3.5	3.7	3.1	3.5	3.0	2.8	3.4	3.7	44.0
	46.0	3.3	3.4	3.4	3.6	3.0	2.8	2.5	2.4	3.0	3.3	3.0	3.3	2.8	2.6	2.9	3.3	46.0
	48.0	2.9	3.0	3.2	3.4	2.9	2.6	2.4	2.2	2.6	2.9	2.8	3.1	2.6	2.4	2.5	2.9	48.0
	50.0	2.5	2.7	3.0	3.0	2.7	2.5	2.2	2.0	2.3	2.5	2.7	2.9	2.4	2.2	2.2	2.5	50.0
	54.0	1.9	2.0	2.4	2.4	2.5	2.4	1.9	1.7	1.6	1.9	2.4	2.4	2.1	1.9	1.5	1.9	54.0
	58.0									1.1	1.4	1.8	1.8	1.9	1.7		1.4	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
%	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	10	10	10	10	10	10	10	10									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	5.1	5.1		4.9	4.5												18.0
	20.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0										20.0
	22.0	5.1	5.0	4.2	4.9	4.5	3.6	4.0	3.0									22.0
↑ m	24.0	5.0	5.0	4.2	4.9	4.5	3.6	4.0	3.0									24.0
	26.0	4.9	4.9	4.2	4.8	4.5	3.6	4.0	3.0									26.0
	28.0	4.8	4.8	4.2	4.8	4.5	3.6	4.0	3.0									28.0
	30.0	4.7	4.6	4.2	4.7	4.5	3.6	4.0	3.0									30.0
	32.0	4.5	4.4	4.1	4.7	4.4	3.6	4.0	3.0									32.0
	34.0	4.2	4.2	4.0	4.5	4.2	3.6	4.0	3.0									34.0
	36.0	4.0	4.0	3.8	4.4	4.0	3.6	4.0	3.0									36.0
	38.0	3.8	3.8	3.5	4.3	3.9	3.6	3.9	3.0									38.0
	40.0	3.6	3.5	3.3	4.1	3.7	3.4	3.7	3.0									40.0
	42.0	3.4	3.3	3.2	3.9	3.5	3.2	3.5	3.0									42.0
	44.0	3.2	3.1	3.0	3.4	3.3	3.1	3.4	3.0									44.0
	46.0	3.0	2.9	2.8	3.0	3.1	2.9	3.1	2.9									46.0
	48.0	2.8	2.8	2.6	2.6	3.0	2.7	2.7	2.5									48.0
	50.0	2.6	2.6	2.4	2.2	2.6	2.5	2.3	2.1									50.0
	54.0	2.2	2.3	2.1	1.6	2.0	1.9	1.7	1.5									54.0
	58.0	1.7	1.9	1.8	1.0	1.4	1.4	1.1										58.0
	62.0	1.2	1.4	1.3														62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
%	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	21.0 m	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	6.2	6.4	6.4	6.4	6.4	6.3	6.5	6.5	6.5								12.0
14.0	5.7	5.9	5.9	5.9	5.9	5.8	6.1	6.0	6.0	6.0	5.9	5.9	6.2	6.2	6.1	6.0	14.0
16.0	5.3	5.5	5.5	5.5	5.5	5.4	5.7	5.6	5.6	5.6	5.5	5.5	5.8	5.8	5.7	5.7	16.0
18.0	4.9	5.1	5.1	5.1	5.1	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.5	5.4	5.4	5.3	18.0
20.0	4.6	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0	4.9	4.9	4.9	5.2	5.2	5.1	5.1	20.0
22.0	4.3	4.6	4.5	4.5	4.5	4.5	4.7	4.7	4.7	4.7	4.6	4.7	4.9	4.9	4.8	4.8	22.0
24.0	4.1	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.5	4.5	4.4	4.4	4.7	4.7	4.6	4.6	24.0
26.0	3.9	4.1	4.1	4.1	4.1	4.1	4.3	4.3	4.3	4.3	4.2	4.2	4.5	4.5	4.4	4.4	26.0
28.0	3.8	3.9	3.9	3.9	3.9	3.9	4.1	4.1	4.1	4.1	4.1	3.9	4.3	4.3	4.2	4.2	28.0
30.0	3.7	3.8	3.8	3.8	3.8	3.8	4.0	4.0	4.0	3.9	3.8	3.6	4.1	4.1	4.1	4.1	30.0
32.0		3.8	3.8	3.8	3.8	3.7	3.8	3.8	3.8	3.8	3.6	3.4	4.0	4.0	3.9	4.0	32.0
34.0		3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.7	3.4	3.2	3.9	3.8	3.8	3.8	34.0
36.0							3.7	3.7	3.7	3.7	3.2	3.0	3.8	3.8	3.7	3.7	36.0
38.0							3.7	3.7	3.7			2.9	3.7	3.7	3.7	3.5	38.0
40.0													3.7	3.7	3.7	3.3	40.0
42.0													3.7				42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	6.0		6.3	6.2													14.0
16.0	5.6	5.6	5.9	5.8	5.8	5.7	5.7	5.7		5.9	5.9	5.8	5.8	5.8			16.0
18.0	5.3	5.3	5.6	5.5	5.5	5.4	5.4	5.4	5.3	5.6	5.6	5.5	5.5	5.5	5.4	5.4	18.0
20.0	5.0	5.0	5.3	5.2	5.2	5.2	5.1	5.1	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.1	20.0
22.0	4.8	4.8	5.0	5.0	4.9	4.9	4.9	4.9	4.9	5.1	5.1	5.0	5.0	5.0	4.9	4.9	22.0
24.0	4.6	4.6	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.9	4.8	4.8	4.8	4.8	4.7	4.7	24.0
26.0	4.4	4.4	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.7	4.7	4.6	4.6	4.6	4.6	4.6	26.0
28.0	4.2	4.1	4.4	4.4	4.4	4.3	4.3	4.3	4.1	4.5	4.5	4.5	4.4	4.4	4.4	4.3	28.0
30.0	4.1	3.9	4.3	4.2	4.2	4.2	4.2	4.1	3.8	4.3	4.3	4.3	4.3	4.3	4.2	4.0	30.0
32.0	3.8	3.6	4.1	4.1	4.1	4.1	4.0	3.8	3.5	4.2	4.2	4.2	4.1	4.1	4.0	3.7	32.0
34.0	3.6	3.4	4.0	4.0	4.0	3.9	3.8	3.5	3.3	4.1	4.1	4.1	4.0	4.0	3.7	3.4	34.0
36.0	3.4	3.2	3.9	3.8	3.9	3.8	3.7	3.3	3.0	4.0	4.0	3.9	3.8	3.9	3.5	3.2	36.0
38.0	3.3	3.0	3.8	3.8	3.8	3.7	3.5	3.1	2.8	3.9	3.8	3.9	3.7	3.7	3.3	3.0	38.0
40.0	3.2	2.9	3.7	3.7	3.7	3.5	3.3	2.9	2.6	3.8	3.8	3.8	3.5	3.5	3.1	2.8	40.0
42.0		2.8	3.7	3.7	3.6	3.4	3.2	2.7	2.4	3.7	3.7	3.7	3.4	3.2	2.9	2.6	42.0
44.0			3.7	3.7	3.4	3.2	3.1	2.5	2.3	3.7	3.7	3.6	3.2	3.0	2.7	2.4	44.0
46.0			3.7						2.1	3.7	3.7	3.5	3.2	2.8	2.6	2.3	46.0
48.0										3.4	3.7	3.4	3.1	2.6	2.5	2.2	48.0
50.0										3.0						2.1	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	42.2 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	5.6	5.6	5.5	5.6	5.5	5.4	5.4		5.7								18.0
20.0	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.4	5.4	5.3	5.3	5.2		5.4		20.0
22.0	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	5.2	5.2	5.1	5.1	5.0	4.8	5.2	5.1	22.0
24.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	5.0	5.0	4.9	4.9	4.8	4.8	5.0	5.0	24.0
26.0	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.8	4.8	4.7	4.7	4.7	4.6	4.8	4.8	26.0
28.0	4.6	4.6	4.5	4.6	4.5	4.5	4.5	4.4	4.7	4.6	4.5	4.6	4.5	4.5	4.7	4.6	28.0
30.0	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.1	4.5	4.5	4.4	4.4	4.4	4.3	4.5	4.5	30.0
32.0	4.3	4.3	4.2	4.3	4.2	4.1	4.1	3.9	4.4	4.3	4.2	4.3	4.2	4.0	4.4	4.4	32.0
34.0	4.2	4.2	4.1	4.1	4.1	3.9	3.9	3.6	4.2	4.2	4.0	4.2	4.0	3.8	4.3	4.2	34.0
36.0	4.1	4.1	4.0	4.0	4.0	3.7	3.7	3.4	4.1	4.1	3.8	4.1	3.8	3.5	4.2	4.1	36.0
38.0	4.0	4.0	3.8	3.9	3.9	3.5	3.4	3.2	4.0	4.0	3.6	4.0	3.6	3.3	4.1	4.0	38.0
40.0	3.9	3.9	3.7	3.8	3.7	3.3	3.2	3.0	3.9	3.9	3.5	3.8	3.4	3.1	4.0	3.9	40.0
42.0	3.8	3.8	3.5	3.8	3.5	3.1	3.0	2.8	3.8	3.8	3.3	3.6	3.2	2.9	3.9	3.8	42.0
44.0	3.7	3.7	3.4	3.7	3.3	2.9	2.8	2.6	3.7	3.8	3.1	3.5	3.0	2.8	3.7	3.6	44.0
46.0	3.5	3.6	3.3	3.6	3.0	2.8	2.6	2.4	3.3	3.5	2.9	3.3	2.8	2.6	3.2	3.4	46.0
48.0	3.1	3.2	3.2	3.4	2.9	2.6	2.4	2.2	2.8	3.1	2.8	3.1	2.6	2.4	2.8	3.1	48.0
50.0	2.7	2.8	3.1	3.2	2.7	2.5	2.2	2.1	2.4	2.7	2.7	2.9	2.4	2.3	2.4	2.7	50.0
54.0		2.1	2.5					1.8	1.7	2.0	2.5	2.5	2.1	1.9	1.7	2.0	54.0
58.0										1.4	1.9			1.7	1.1	1.5	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	20	20	20	20	20	20	20	20									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0	5.0	5.0		4.9													22.0
24.0	4.9	4.8	4.2	4.9	4.5		4.0										24.0
26.0	4.7	4.7	4.2	4.8	4.5	3.6	4.0	3.0									26.0
28.0	4.6	4.5	4.2	4.6	4.5	3.6	4.0	3.0									28.0
30.0	4.4	4.4	4.2	4.5	4.4	3.6	4.0	3.0									30.0
32.0	4.3	4.3	4.1	4.4	4.3	3.6	4.0	3.0									32.0
34.0	4.1	4.1	3.8	4.3	4.1	3.6	4.0	3.0									34.0
36.0	3.9	3.8	3.6	4.2	3.9	3.6	3.9	3.0									36.0
38.0	3.7	3.6	3.4	4.1	3.8	3.5	3.8	3.0									38.0
40.0	3.5	3.5	3.3	4.0	3.6	3.3	3.6	3.0									40.0
42.0	3.3	3.3	3.1	3.9	3.4	3.2	3.5	3.0									42.0
44.0	3.1	3.1	2.9	3.7	3.2	3.0	3.3	3.0									44.0
46.0	3.0	2.9	2.8	3.2	3.1	2.9	3.2	2.9									46.0
48.0	2.8	2.8	2.6	2.8	2.9	2.7	2.9	2.8									48.0
50.0	2.6	2.6	2.4	2.4	2.8	2.6	2.6	2.4									50.0
54.0	2.3	2.3	2.1	1.7	2.2	2.1	1.9	1.7									54.0
58.0	1.8	2.0	1.8	1.2	1.6	1.5	1.3	1.1									58.0
62.0			1.4		1.1	1.0											62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	21.0 m	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	5.2																14.0
	16.0	4.9	5.0	5.0	5.0	5.0	4.9	5.1	5.1	5.1	5.0	5.0	5.0	5.1	5.1			16.0
	18.0	4.6	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.7	4.7	4.9	4.9	4.8	4.8	18.0
	20.0	4.3	4.5	4.5	4.5	4.5	4.4	4.6	4.6	4.6	4.5	4.5	4.5	4.7	4.7	4.6	4.6	20.0
	22.0	4.1	4.3	4.2	4.2	4.2	4.2	4.4	4.4	4.4	4.3	4.3	4.3	4.5	4.5	4.4	4.4	22.0
	24.0	3.9	4.1	4.1	4.1	4.1	4.0	4.2	4.2	4.2	4.2	4.1	4.2	4.3	4.3	4.3	4.2	24.0
	26.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.1	4.1	4.1	26.0
	28.0	3.7	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.8	4.0	4.0	4.0	4.0	28.0
	30.0		3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.7	3.6	3.9	3.9	3.9	3.9	30.0
	32.0		3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.3	3.8	3.8	3.8	3.8	32.0
	34.0							3.7	3.7	3.7	3.7	3.4	3.1	3.7	3.7	3.7	3.7	34.0
	36.0							3.7	3.7	3.7	3.7	3.2	3.0	3.7	3.7	3.6	3.6	36.0
	38.0													3.7	3.7	3.6	3.5	38.0
	40.0													3.7	3.7	3.6	3.3	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8		4.9							18.0
	20.0	4.6	4.6	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.6		20.0
	22.0	4.4	4.4	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.6	4.5	4.5	4.5	4.5	4.4	4.4	22.0
	24.0	4.2	4.2	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.3	4.3	24.0
	26.0	4.1	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.3	4.3	4.2	4.2	4.2	4.2	4.2	26.0
	28.0	3.9	3.9	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	28.0
	30.0	3.8	3.8	4.0	3.9	3.9	3.9	3.9	3.9	3.8	4.0	4.0	4.0	4.0	4.0	4.0	3.9	30.0
	32.0	3.7	3.5	3.9	3.9	3.8	3.8	3.8	3.7	3.5	3.9	3.9	3.9	3.9	3.9	3.9	3.6	32.0
	34.0	3.6	3.3	3.8	3.8	3.8	3.8	3.7	3.5	3.3	3.8	3.8	3.8	3.8	3.8	3.7	3.4	34.0
	36.0	3.4	3.2	3.7	3.7	3.7	3.7	3.6	3.3	3.0	3.8	3.8	3.8	3.7	3.7	3.5	3.2	36.0
	38.0	3.3	3.0	3.7	3.6	3.7	3.6	3.4	3.1	2.8	3.7	3.7	3.7	3.6	3.7	3.2	3.0	38.0
	40.0	3.2	2.9	3.6	3.6	3.6	3.5	3.3	2.9	2.6	3.6	3.6	3.7	3.4	3.5	3.1	2.8	40.0
	42.0			3.6	3.6	3.6	3.3	3.2	2.7	2.4	3.6	3.6	3.6	3.3	3.2	2.9	2.6	42.0
	44.0			3.6	3.6	3.4	3.2	3.2	2.5	2.3	3.6	3.6	3.6	3.2	3.0	2.7	2.4	44.0
	46.0									2.1	3.6	3.6	3.5	3.2	2.8	2.6	2.3	46.0
	48.0										3.5						2.2	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	4.8	4.7	4.7	4.7	4.7												20.0
	22.0	4.6	4.6	4.5	4.6	4.5	4.5	4.5		4.6	4.6	4.5	4.5	4.5				22.0
↑ m	24.0	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.5	4.4	4.4	4.4	4.3	4.3	4.5	4.4	24.0
	26.0	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.2	4.2	4.3	4.3	26.0
	28.0	4.2	4.2	4.1	4.2	4.1	4.1	4.1	4.1	4.2	4.2	4.1	4.2	4.1	4.1	4.2	4.2	28.0
	30.0	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.0	4.1	4.0	4.0	4.1	4.1	30.0
	32.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	4.0	4.0	4.0	4.0	3.9	3.9	4.0	4.0	32.0
	34.0	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.6	3.9	3.9	3.9	3.9	3.8	3.7	3.9	3.9	34.0
	36.0	3.8	3.8	3.8	3.8	3.8	3.6	3.6	3.4	3.8	3.8	3.7	3.8	3.7	3.5	3.9	3.9	36.0
	38.0	3.7	3.8	3.7	3.7	3.7	3.4	3.4	3.2	3.8	3.8	3.6	3.7	3.5	3.3	3.8	3.8	38.0
	40.0	3.7	3.7	3.6	3.7	3.6	3.2	3.2	3.0	3.7	3.7	3.4	3.7	3.3	3.1	3.7	3.7	40.0
	42.0	3.6	3.6	3.4	3.7	3.5	3.1	3.0	2.8	3.7	3.7	3.2	3.5	3.2	2.9	3.7	3.7	42.0
	44.0	3.6	3.6	3.3	3.6	3.3	2.9	2.8	2.6	3.6	3.6	3.1	3.4	3.0	2.8	3.7	3.5	44.0
	46.0	3.6	3.6	3.2	3.6	3.1	2.8	2.6	2.5	3.5	3.6	2.9	3.3	2.8	2.6	3.4	3.4	46.0
	48.0	3.2	3.3	3.2	3.5	2.9	2.7	2.4	2.3	3.0	3.3	2.8	3.1	2.6	2.4	3.0	3.2	48.0
	50.0	2.7	2.9	3.2	3.2	2.7	2.6	2.2	2.1	2.6	2.8	2.7	2.9	2.4	2.3	2.6	2.9	50.0
	54.0								1.8	1.8	2.1	2.5	2.5	2.2	2.0	1.8	2.2	54.0
	58.0														1.7	1.2	1.5	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
%	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	30	30	30	30	30	30	30	30									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
↑ m	24.0	4.4	4.4															24.0
	26.0	4.2	4.2		4.3	4.2												26.0
	28.0	4.1	4.1	4.1	4.2	4.1		4.0										28.0
	30.0	4.0	4.0	4.0	4.1	4.0	3.6	4.0										30.0
	32.0	4.0	3.9	3.9	4.0	4.0	3.6	4.0	2.6									32.0
	34.0	3.9	3.9	3.7	3.9	3.9	3.6	3.9	2.6									34.0
	36.0	3.8	3.8	3.5	3.9	3.8	3.6	3.8	2.6									36.0
	38.0	3.6	3.6	3.3	3.8	3.7	3.4	3.7	2.6									38.0
	40.0	3.4	3.4	3.2	3.8	3.5	3.2	3.5	2.6									40.0
	42.0	3.3	3.2	3.0	3.7	3.4	3.1	3.4	2.6									42.0
	44.0	3.1	3.1	2.9	3.6	3.2	3.0	3.3	2.6									44.0
	46.0	3.0	2.9	2.7	3.5	3.1	2.8	3.1	2.6									46.0
	48.0	2.8	2.8	2.6	3.0	2.9	2.7	3.0	2.6									48.0
	50.0	2.6	2.6	2.4	2.6	2.8	2.6	2.8	2.6									50.0
	54.0	2.3	2.3	2.1	1.9	2.3	2.3	2.0	1.9									54.0
	58.0	1.9	2.0	1.8	1.3	1.7	1.6	1.4	1.3									58.0
	62.0			1.4		1.1	1.1											62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
%	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	21.0 m	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	4.5																16.0
18.0	4.3	4.4	4.4	4.4	4.4	4.3	4.4	4.4	4.4	4.4							18.0
20.0	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.2	4.2	20.0
22.0	3.9	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.1	22.0
24.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	24.0
26.0	3.7	3.8	3.8	3.8	3.8	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	26.0
28.0	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	28.0
30.0		3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.7	3.7	3.7	3.7	30.0
32.0							3.7	3.7	3.7	3.7	3.5	3.3	3.7	3.7	3.7	3.7	32.0
34.0							3.7	3.7	3.7	3.7	3.4	3.2	3.7	3.7	3.7	3.6	34.0
36.0													3.7	3.7	3.7	3.6	36.0
38.0													3.7	3.7	3.7	3.5	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0	4.2	4.2	4.3	4.3	4.3	4.2	4.2										20.0
22.0	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.1	4.1	4.1	4.1		22.0
24.0	3.9	3.9	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.0	4.0	4.0	4.0	4.0	24.0
26.0	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	3.9	3.9	3.9	3.9	3.9	26.0
28.0	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.8	3.8	3.8	3.8	28.0
30.0	3.7	3.7	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.7	3.7	30.0
32.0	3.7	3.5	3.7	3.7	3.7	3.7	3.7	3.7	3.5	3.7	3.7	3.7	3.7	3.7	3.7	3.6	32.0
34.0	3.6	3.3	3.7	3.7	3.6	3.6	3.6	3.5	3.3	3.7	3.7	3.7	3.7	3.7	3.6	3.4	34.0
36.0	3.4	3.2	3.7	3.6	3.6	3.6	3.6	3.3	3.0	3.6	3.6	3.6	3.6	3.6	3.4	3.2	36.0
38.0	3.3	3.1	3.7	3.6	3.6	3.6	3.4	3.1	2.8	3.6	3.6	3.6	3.5	3.6	3.2	3.0	38.0
40.0			3.7	3.6	3.6	3.5	3.3	2.9	2.6	3.6	3.6	3.6	3.5	3.5	3.1	2.8	40.0
42.0									2.4	3.6	3.6	3.6	3.4	3.2	2.9	2.6	42.0
44.0										3.6	3.6	3.6	3.3	3.0	2.8	2.5	44.0
46.0																2.3	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	4.2	4.2	4.1	4.2													22.0
	24.0	4.1	4.1	4.0	4.1	4.0	4.0	4.0		4.1	4.1	4.0	4.0					24.0
	26.0	4.0	4.0	3.9	4.0	3.9	3.9	3.9	3.9	4.0	4.0	3.9	3.9	3.9	3.9	4.0	4.0	26.0
	28.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.8	3.8	3.9	3.9	28.0
	30.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	30.0
	32.0	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.7	3.7	3.7	3.7	3.8	3.8	32.0
	34.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.5	3.7	3.7	3.7	3.7	3.7	3.6	3.7	3.7	34.0
	36.0	3.7	3.7	3.6	3.7	3.6	3.6	3.6	3.3	3.7	3.7	3.6	3.6	3.6	3.4	3.7	3.7	36.0
	38.0	3.6	3.6	3.6	3.6	3.6	3.4	3.4	3.1	3.6	3.6	3.5	3.6	3.5	3.3	3.6	3.6	38.0
	40.0	3.6	3.6	3.5	3.6	3.6	3.2	3.2	3.0	3.6	3.6	3.4	3.6	3.3	3.1	3.6	3.6	40.0
	42.0	3.6	3.6	3.4	3.6	3.5	3.1	3.0	2.8	3.6	3.6	3.2	3.6	3.2	2.9	3.6	3.6	42.0
	44.0	3.6	3.6	3.4	3.5	3.3	2.9	2.8	2.6	3.6	3.6	3.1	3.5	3.0	2.8	3.6	3.5	44.0
	46.0	3.6	3.6	3.3	3.5	3.1	2.8	2.6	2.5	3.5	3.6	2.9	3.3	2.8	2.6	3.6	3.4	46.0
	48.0	3.3	3.4	3.3	3.4	2.9	2.7	2.4	2.3	3.1	3.4	2.8	3.1	2.7	2.5	3.1	3.3	48.0
	50.0								2.1	2.7	2.9	2.7	2.9	2.5	2.3	2.7	3.0	50.0
	54.0														2.0	1.9	2.2	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	40	40	40	40	40	40	40	40									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
	24.0																	24.0
	26.0	3.9	3.9															26.0
	28.0	3.8	3.8		3.9	3.8												28.0
	30.0	3.8	3.8	3.8	3.8	3.8		3.8										30.0
	32.0	3.7	3.7	3.7	3.8	3.7	3.7	3.7										32.0
	34.0	3.7	3.7	3.6	3.7	3.7	3.7	3.7	3.5									34.0
	36.0	3.6	3.6	3.5	3.7	3.6	3.5	3.6	3.5									36.0
	38.0	3.5	3.5	3.3	3.6	3.6	3.4	3.6	3.4									38.0
	40.0	3.4	3.4	3.1	3.6	3.5	3.2	3.5	3.3									40.0
	42.0	3.3	3.2	3.0	3.6	3.3	3.1	3.4	3.1									42.0
	44.0	3.1	3.1	2.9	3.6	3.2	2.9	3.2	3.0									44.0
	46.0	3.0	3.0	2.7	3.5	3.1	2.8	3.1	2.9									46.0
	48.0	2.8	2.8	2.6	3.2	2.9	2.7	3.0	2.7									48.0
	50.0	2.7	2.7	2.5	2.8	2.8	2.6	2.9	2.6									50.0
	54.0	2.4	2.4	2.1	2.0	2.4	2.3	2.2	2.1									54.0
	58.0			1.8	1.3	1.7	1.7	1.5	1.4									58.0
	62.0						1.1											62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	21.0 m	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
m	3.0	10.0																3.0
	3.5	9.9																3.5
	4.0	9.9	9.7	9.8	9.8	9.7	9.2											4.0
	4.5	9.8	9.6	9.7	9.7	9.7	9.2	9.4	9.5	9.4	8.8							4.5
	5.0	9.7	9.5	9.6	9.6	9.6	9.1	9.3	9.4	9.3	8.8	8.2	8.0		9.1			5.0
	6.0	9.5	9.3	9.5	9.4	9.4	9.0	9.2	9.3	9.2	8.7	8.2	8.0	9.0	9.0	8.4	8.0	6.0
	7.0	9.3	9.2	9.3	9.2	9.2	8.8	9.0	9.1	9.0	8.5	8.1	7.9	8.8	8.9	8.3	8.0	7.0
	8.0	9.1	9.0	9.1	9.1	9.0	8.6	8.9	9.0	8.9	8.4	8.0	7.8	8.7	8.7	8.2	7.9	8.0
	9.0	8.8	8.8	8.9	8.9	8.8	8.5	8.7	8.8	8.7	8.3	7.9	7.7	8.5	8.6	8.1	7.8	9.0
	10.0	8.5	8.6	8.6	8.6	8.6	8.3	8.6	8.6	8.6	8.1	7.8	7.6	8.4	8.4	8.0	7.7	10.0
	12.0	7.7	8.1	8.1	8.1	8.1	7.9	8.2	8.2	8.2	7.8	7.5	7.4	8.1	8.2	7.7	7.5	12.0
	14.0	7.0	7.6	7.5	7.5	7.5	7.4	7.8	7.8	7.8	7.5	7.3	7.1	7.8	7.8	7.5	7.2	14.0
	16.0	6.3	6.9	6.9	6.9	6.9	6.8	7.4	7.4	7.3	7.2	7.0	6.8	7.5	7.5	7.2	7.0	16.0
	18.0	5.7	6.4	6.3	6.3	6.3	6.2	6.8	6.8	6.8	6.7	6.5	6.4	7.2	7.2	7.0	6.8	18.0
	20.0	5.2	5.8	5.8	5.8	5.8	5.7	6.3	6.3	6.3	6.2	6.1	6.0	6.7	6.7	6.5	6.5	20.0
	22.0	4.8	5.3	5.3	5.3	5.3	5.3	5.9	5.8	5.8	5.7	5.6	5.4	6.3	6.2	6.1	6.1	22.0
	24.0	4.5	5.0	4.9	4.9	4.9	4.9	5.4	5.4	5.3	5.3	5.2	4.9	5.9	5.8	5.7	5.7	24.0
	26.0	4.2	4.7	4.6	4.6	4.6	4.6	5.1	5.0	5.0	5.0	4.7	4.5	5.5	5.4	5.4	5.3	26.0
	28.0	4.0	4.4	4.3	4.3	4.3	4.3	4.8	4.7	4.7	4.7	4.4	4.1	5.1	5.1	5.0	5.0	28.0
	30.0	3.8	4.1	4.1	4.1	4.1	4.1	4.5	4.5	4.4	4.4	4.0	3.8	4.9	4.8	4.8	4.7	30.0
	32.0		4.0	3.9	3.9	3.9	3.9	4.3	4.2	4.2	4.2	3.7	3.5	4.6	4.5	4.5	4.3	32.0
	34.0		3.8	3.8	3.8	3.8	3.8	4.1	4.0	4.0	4.0	3.5	3.3	4.4	4.3	4.3	4.0	34.0
	36.0							3.9	3.9	3.9	3.9	3.3	3.1	4.2	4.1	4.1	3.7	36.0
	38.0							3.8	3.8	3.8	3.8	3.1	2.9	3.8	4.0	4.0	3.5	38.0
	40.0													3.4	3.9	3.9	3.3	40.0
	42.0													3.0	3.6	3.8	3.1	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0	7.7	7.4	8.6	8.2													6.0
	7.0	7.6	7.4	8.5	8.1	7.8	7.6	7.4	7.0		7.7	7.7						7.0
	8.0	7.5	7.3	8.4	8.0	7.7	7.5	7.3	6.9	6.4	7.6	7.6	7.4	7.1	7.0	6.5		8.0
	9.0	7.5	7.2	8.3	7.9	7.7	7.4	7.2	6.9	6.4	7.6	7.5	7.4	7.0	6.9	6.5	5.9	9.0
	10.0	7.4	7.2	8.2	7.8	7.6	7.3	7.1	6.8	6.4	7.5	7.5	7.3	7.0	6.9	6.5	5.9	10.0
	12.0	7.2	7.0	7.9	7.6	7.4	7.2	7.0	6.7	6.3	7.3	7.3	7.1	6.8	6.7	6.4	5.9	12.0
	14.0	7.0	6.8	7.7	7.4	7.2	7.0	6.8	6.6	6.2	7.1	7.1	7.0	6.7	6.6	6.3	5.9	14.0
	16.0	6.8	6.6	7.4	7.2	7.0	6.8	6.7	6.4	6.1	7.0	6.9	6.8	6.5	6.5	6.2	5.8	16.0
	18.0	6.6	6.3	7.2	6.9	6.8	6.7	6.5	6.2	5.9	6.8	6.8	6.7	6.4	6.4	6.0	5.7	18.0
	20.0	6.4	6.1	7.0	6.7	6.6	6.5	6.4	5.9	5.6	6.6	6.6	6.5	6.3	6.2	5.8	5.6	20.0
	22.0	6.0	5.7	6.6	6.4	6.4	6.3	6.2	5.7	5.3	6.4	6.4	6.3	6.1	6.1	5.6	5.3	22.0
	24.0	5.6	5.3	6.2	6.1	6.0	6.0	5.9	5.4	5.0	6.3	6.2	6.2	6.0	5.9	5.4	5.0	24.0
	26.0	5.2	4.9	5.9	5.7	5.7	5.6	5.5	5.0	4.6	6.0	6.0	5.9	5.8	5.8	5.2	4.8	26.0
	28.0	4.7	4.5	5.5	5.4	5.4	5.3	5.2	4.6	4.3	5.7	5.7	5.6	5.4	5.4	4.8	4.5	28.0
	30.0	4.4	4.1	5.2	5.1	5.0	5.0	4.8	4.2	3.9	5.4	5.4	5.3	5.1	5.0	4.5	4.2	30.0
	32.0	4.1	3.8	4.9	4.8	4.8	4.7	4.4	3.9	3.6	5.1	5.1	5.1	4.8	4.7	4.2	3.9	32.0
	34.0	3.8	3.6	4.7	4.6	4.6	4.4	4.2	3.6	3.3	4.9	4.8	4.8	4.5	4.3	3.8	3.6	34.0
	36.0	3.6	3.3	4.3	4.4	4.4	4.1	3.9	3.3	3.0	4.4	4.6	4.6	4.2	4.0	3.6	3.3	36.0
	38.0	3.4	3.2	3.8	4.2	4.1	3.8	3.7	3.1	2.8	3.8	4.1	4.3	4.0	3.7	3.3	3.0	38.0
	40.0	3.2	3.0	3.3	4.0	3.9	3.6	3.5	2.9	2.6	3.4	3.6	3.8	3.8	3.4	3.1	2.8	40.0
	42.0	3.1	2.9	2.9	3.6	3.7	3.4	3.3	2.7	2.4	2.9	3.2	3.4	3.6	3.2	2.9	2.6	42.0
	44.0			2.5	3.3	3.4	3.2	3.2	2.5	2.2	2.6	2.8	3.0	3.3	3.0	2.7	2.5	44.0
	46.0			2.2	2.9	3.1	3.1	3.1	2.4	2.1	2.2	2.5	2.6	2.9	2.8	2.6	2.3	46.0
	48.0									2.0	1.9	2.2	2.3	2.6	2.6	2.5	2.2	48.0
	50.0										1.6	1.9	2.1	2.3	2.4	2.4	2.1	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	7.3																8.0
	9.0	7.2	7.1	6.7	7.0	6.7	6.3	6.0										9.0
	10.0	7.2	7.1	6.7	6.9	6.6	6.3	6.0	5.2	6.6	6.4	5.9	6.2	5.6				10.0
	12.0	7.0	6.9	6.6	6.8	6.5	6.2	6.0	5.2	6.5	6.4	5.9	6.1	5.6	4.8	5.9	5.5	12.0
	14.0	6.9	6.8	6.4	6.7	6.4	6.1	5.9	5.2	6.4	6.2	5.8	6.0	5.6	4.8	5.9	5.5	14.0
	16.0	6.7	6.6	6.3	6.5	6.3	6.0	5.8	5.2	6.3	6.1	5.7	5.9	5.6	4.8	5.8	5.5	16.0
	18.0	6.6	6.5	6.2	6.4	6.2	5.9	5.7	5.2	6.2	6.0	5.7	5.8	5.5	4.8	5.7	5.4	18.0
	20.0	6.4	6.4	6.1	6.3	6.1	5.8	5.7	5.2	6.1	5.9	5.6	5.8	5.4	4.8	5.6	5.4	20.0
	22.0	6.3	6.2	6.0	6.1	5.9	5.6	5.5	5.1	6.0	5.8	5.5	5.7	5.4	4.8	5.5	5.3	22.0
	24.0	6.1	6.1	5.9	6.0	5.8	5.4	5.3	5.0	5.9	5.7	5.3	5.6	5.2	4.8	5.4	5.2	24.0
m	26.0	6.0	5.9	5.7	5.9	5.7	5.2	5.1	4.8	5.8	5.6	5.2	5.5	5.0	4.7	5.4	5.2	26.0
	28.0	5.8	5.8	5.6	5.7	5.6	5.0	4.9	4.5	5.6	5.5	5.0	5.4	4.9	4.5	5.3	5.1	28.0
	30.0	5.6	5.6	5.3	5.5	5.3	4.8	4.7	4.3	5.5	5.4	4.8	5.3	4.7	4.3	5.2	5.0	30.0
	32.0	5.2	5.4	5.1	5.3	5.0	4.5	4.4	4.1	4.9	5.2	4.6	5.2	4.5	4.2	4.8	4.9	32.0
	34.0	4.5	4.7	4.8	5.1	4.7	4.2	4.0	3.8	4.2	4.5	4.4	4.9	4.3	4.0	4.1	4.5	34.0
	36.0	3.9	4.0	4.5	4.5	4.3	3.9	3.7	3.6	3.6	3.9	4.1	4.4	4.0	3.7	3.5	3.9	36.0
	38.0	3.4	3.5	3.9	3.9	4.0	3.6	3.4	3.3	3.1	3.4	3.9	3.9	3.7	3.5	3.0	3.3	38.0
	40.0	2.9	3.0	3.4	3.4	3.7	3.4	3.2	3.0	2.6	2.9	3.4	3.4	3.4	3.3	2.5	2.9	40.0
	42.0	2.5	2.6	3.0	3.0	3.3	3.2	2.9	2.8	2.2	2.4	3.0	3.0	3.2	3.0	2.0	2.4	42.0
	44.0	2.1	2.2	2.6	2.6	2.9	3.0	2.7	2.6	1.8	2.1	2.6	2.6	3.0	2.8	1.7	2.0	44.0
	46.0	1.7	1.9	2.3	2.3	2.6	2.8	2.5	2.4	1.4	1.7	2.2	2.2	2.6	2.5	1.3	1.7	46.0
	48.0	1.4	1.6	2.0	1.9	2.2	2.5	2.3	2.2	1.1	1.4	1.9	1.9	2.3	2.2	1.0	1.4	48.0
	50.0	1.1	1.3	1.7	1.7	2.0	2.2	2.2	2.0		1.1	1.6	1.6	2.0	1.9		1.1	50.0
	54.0			1.2	1.2	1.5	1.7	1.9	1.7			1.1	1.1	1.5	1.4			54.0
	58.0								1.4					1.1				58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
%	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	0	0	0	0	0	0	0	0									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	5.1	5.1		4.9	4.5												12.0
	14.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0										14.0
	16.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									16.0
	18.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									18.0
	20.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									20.0
	22.0	5.1	5.0	4.2	4.9	4.5	3.6	4.0	3.0									22.0
	24.0	5.0	5.0	4.2	4.9	4.5	3.6	4.0	3.0									24.0
m	26.0	4.9	4.9	4.2	4.9	4.5	3.6	4.0	3.0									26.0
	28.0	4.8	4.7	4.2	4.8	4.5	3.6	4.0	3.0									28.0
	30.0	4.6	4.6	4.2	4.7	4.4	3.6	4.0	3.0									30.0
	32.0	4.5	4.4	4.1	4.6	4.3	3.6	4.0	3.0									32.0
	34.0	4.3	4.3	3.9	4.0	4.2	3.6	3.9	3.0									34.0
	36.0	4.1	4.1	3.8	3.4	3.9	3.6	3.4	2.9									36.0
	38.0	3.7	3.9	3.6	2.9	3.4	3.1	2.9	2.4									38.0
	40.0	3.2	3.4	3.3	2.5	3.0	2.7	2.5	2.0									40.0
	42.0	2.8	3.0	2.9	2.1	2.5	2.3	2.1	1.6									42.0
	44.0	2.4	2.6	2.5	1.7	2.1	2.0	1.7	1.3									44.0
	46.0	2.1	2.3	2.1	1.3	1.8	1.6	1.4	1.0									46.0
	48.0	1.7	1.9	1.8	1.0	1.5	1.3	1.1										48.0
	50.0	1.4	1.7	1.5		1.2	1.1											50.0
	54.0		1.1															54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
%	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	21.0 m	31.6 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	9.0																7.0
8.0	8.8	8.7	8.8	8.8	8.7	8.4											8.0
9.0	8.2	8.5	8.5	8.5	8.5	8.2	8.4	8.5	8.4	8.1							9.0
10.0	7.7	8.1	8.1	8.1	8.1	8.0	8.2	8.3	8.2	7.9	7.6	7.4	8.1	8.2	7.8	7.5	10.0
12.0	6.9	7.3	7.3	7.3	7.3	7.2	7.6	7.6	7.6	7.4	7.3	7.2	7.8	7.8	7.5	7.3	12.0
14.0	6.3	6.7	6.7	6.6	6.6	6.6	7.0	6.9	6.9	6.8	6.8	6.8	7.2	7.2	7.0	7.0	14.0
16.0	5.7	6.1	6.1	6.1	6.1	6.0	6.4	6.4	6.4	6.3	6.2	6.3	6.7	6.7	6.5	6.5	16.0
18.0	5.2	5.6	5.6	5.6	5.6	5.6	6.0	5.9	5.9	5.9	5.8	5.9	6.3	6.2	6.1	6.1	18.0
20.0	4.9	5.2	5.2	5.2	5.2	5.2	5.6	5.5	5.5	5.5	5.4	5.5	5.8	5.8	5.7	5.7	20.0
22.0	4.5	4.9	4.9	4.9	4.9	4.8	5.2	5.2	5.2	5.1	5.1	5.1	5.5	5.4	5.4	5.3	22.0
24.0	4.2	4.6	4.6	4.6	4.6	4.6	4.9	4.9	4.9	4.8	4.8	4.7	5.2	5.1	5.1	5.0	24.0
26.0	4.0	4.4	4.3	4.3	4.3	4.3	4.7	4.6	4.6	4.6	4.5	4.4	4.9	4.9	4.8	4.8	26.0
28.0	3.9	4.1	4.1	4.1	4.1	4.1	4.4	4.4	4.4	4.3	4.2	4.0	4.7	4.6	4.6	4.6	28.0
30.0	3.8	4.0	3.9	3.9	3.9	3.9	4.2	4.2	4.2	4.1	3.9	3.7	4.4	4.4	4.4	4.3	30.0
32.0		3.8	3.8	3.8	3.8	3.8	4.0	4.0	4.0	4.0	3.7	3.4	4.3	4.2	4.2	4.2	32.0
34.0		3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.8	3.4	3.2	4.1	4.0	4.0	3.9	34.0
36.0							3.8	3.8	3.8	3.8	3.3	3.0	3.9	3.9	3.9	3.7	36.0
38.0							3.8	3.8	3.8	3.8	3.1	2.9	3.8	3.8	3.8	3.5	38.0
40.0													3.5	3.8	3.8	3.3	40.0
42.0													3.1	3.7	3.8	3.1	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	7.1	6.9	7.7	7.4	7.2	7.0	6.9	6.6		7.1	7.1	7.0	6.7				12.0
14.0	6.9	6.7	7.4	7.2	7.0	6.8	6.7	6.5	6.1	7.0	6.9	6.8	6.6	6.5	6.2	5.8	14.0
16.0	6.4	6.4	6.9	6.7	6.7	6.6	6.5	6.3	6.0	6.8	6.8	6.6	6.4	6.4	6.1	5.7	16.0
18.0	6.0	6.0	6.5	6.3	6.3	6.2	6.2	6.1	5.9	6.5	6.5	6.4	6.2	6.2	6.0	5.7	18.0
20.0	5.6	5.6	6.1	5.9	5.9	5.9	5.8	5.7	5.7	6.1	6.1	6.0	6.0	6.0	5.8	5.5	20.0
22.0	5.3	5.3	5.7	5.6	5.6	5.5	5.5	5.5	5.4	5.8	5.8	5.7	5.7	5.7	5.6	5.4	22.0
24.0	5.0	5.0	5.4	5.3	5.3	5.2	5.2	5.2	5.0	5.5	5.5	5.5	5.4	5.4	5.3	5.1	24.0
26.0	4.7	4.6	5.1	5.0	5.0	5.0	4.9	4.8	4.6	5.2	5.2	5.2	5.1	5.1	5.0	4.7	26.0
28.0	4.5	4.3	4.9	4.8	4.8	4.7	4.7	4.5	4.2	5.0	5.0	4.9	4.9	4.9	4.7	4.4	28.0
30.0	4.2	4.0	4.7	4.6	4.6	4.5	4.5	4.2	3.8	4.8	4.7	4.7	4.6	4.7	4.3	4.0	30.0
32.0	4.0	3.7	4.5	4.4	4.4	4.4	4.2	3.9	3.5	4.6	4.6	4.5	4.4	4.5	4.1	3.7	32.0
34.0	3.7	3.5	4.3	4.2	4.2	4.2	4.0	3.5	3.3	4.4	4.4	4.4	4.2	4.2	3.8	3.5	34.0
36.0	3.5	3.3	4.1	4.1	4.1	4.0	3.8	3.3	3.0	4.3	4.2	4.2	4.0	4.0	3.5	3.2	36.0
38.0	3.3	3.1	4.0	3.9	4.0	3.7	3.6	3.1	2.8	4.1	4.1	4.1	3.8	3.7	3.3	3.0	38.0
40.0	3.2	3.0	3.5	3.8	3.8	3.5	3.4	2.9	2.6	3.6	3.9	4.0	3.6	3.4	3.1	2.8	40.0
42.0	3.1	2.8	3.1	3.8	3.7	3.4	3.3	2.7	2.4	3.2	3.4	3.6	3.4	3.2	2.9	2.6	42.0
44.0			2.6	3.4	3.5	3.2	3.1	2.5	2.2	2.8	3.0	3.2	3.3	3.0	2.7	2.4	44.0
46.0			2.3	3.0	3.2	3.1	3.1	2.4	2.1	2.4	2.6	2.8	3.1	2.8	2.6	2.3	46.0
48.0									2.0	2.0	2.3	2.5	2.7	2.6	2.5	2.2	48.0
50.0										1.7	2.0	2.1	2.4	2.5	2.4	2.1	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	31.6 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	6.7	6.6	6.4	6.6	6.3	6.1	5.9		6.3								14.0
16.0	6.6	6.5	6.2	6.4	6.2	6.0	5.8	5.2	6.2	6.1	5.7	5.9	5.5		5.7	5.5	16.0
18.0	6.4	6.3	6.1	6.3	6.1	5.9	5.7	5.2	6.1	6.0	5.6	5.8	5.5	4.8	5.6	5.4	18.0
20.0	6.2	6.2	5.9	6.1	5.9	5.8	5.6	5.2	6.0	5.8	5.5	5.7	5.4	4.8	5.5	5.3	20.0
22.0	5.9	5.9	5.8	5.8	5.8	5.6	5.5	5.1	5.8	5.7	5.4	5.6	5.3	4.8	5.5	5.3	22.0
24.0	5.6	5.6	5.5	5.6	5.5	5.4	5.4	5.0	5.7	5.6	5.3	5.5	5.2	4.8	5.4	5.2	24.0
26.0	5.4	5.4	5.3	5.3	5.3	5.2	5.1	4.8	5.5	5.4	5.2	5.3	5.1	4.7	5.3	5.1	26.0
28.0	5.1	5.1	5.1	5.1	5.0	4.8	4.8	4.6	5.2	5.2	5.0	5.1	4.9	4.6	5.2	5.0	28.0
30.0	4.9	4.9	4.8	4.9	4.8	4.6	4.5	4.3	5.0	5.0	4.7	4.9	4.6	4.4	5.0	4.9	30.0
32.0	4.7	4.7	4.6	4.7	4.6	4.3	4.2	4.0	4.8	4.8	4.4	4.8	4.4	4.1	4.9	4.8	32.0
34.0	4.5	4.5	4.4	4.5	4.4	4.0	3.9	3.7	4.7	4.6	4.2	4.6	4.1	3.9	4.6	4.6	34.0
36.0	4.3	4.4	4.2	4.4	4.2	3.8	3.7	3.4	4.0	4.3	3.9	4.4	3.9	3.6	3.9	4.3	36.0
38.0	3.7	3.8	4.1	4.2	3.9	3.5	3.4	3.2	3.5	3.7	3.7	4.2	3.6	3.4	3.4	3.7	38.0
40.0	3.2	3.3	3.7	3.7	3.7	3.3	3.2	3.0	2.9	3.2	3.5	3.7	3.4	3.2	2.9	3.2	40.0
42.0	2.7	2.9	3.3	3.2	3.5	3.1	3.0	2.8	2.5	2.7	3.2	3.2	3.2	3.0	2.4	2.8	42.0
44.0	2.3	2.5	2.8	2.8	3.1	2.9	2.7	2.6	2.1	2.3	2.8	2.8	3.0	2.8	2.0	2.3	44.0
46.0	1.9	2.1	2.5	2.5	2.7	2.8	2.5	2.4	1.7	2.0	2.4	2.4	2.8	2.6	1.6	2.0	46.0
48.0	1.6	1.7	2.1	2.1	2.4	2.6	2.4	2.2	1.3	1.6	2.1	2.1	2.5	2.4	1.3	1.6	48.0
50.0	1.3	1.4	1.8	1.8	2.1	2.3	2.2	2.0	1.0	1.3	1.8	1.8	2.1	2.1		1.3	50.0
54.0			1.3	1.3	1.6	1.8	1.9	1.7			1.2	1.2	1.6	1.5			54.0
58.0													1.1	1.1			58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	10	10	10	10	10	10	10	10									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	5.1	5.1		4.9	4.5												18.0
20.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0										20.0
22.0	5.1	5.0	4.2	4.9	4.5	3.6	4.0	3.0									22.0
24.0	5.0	5.0	4.2	4.9	4.5	3.6	4.0	3.0									24.0
26.0	4.9	4.9	4.2	4.8	4.5	3.6	4.0	3.0									26.0
28.0	4.8	4.8	4.2	4.8	4.5	3.6	4.0	3.0									28.0
30.0	4.7	4.6	4.2	4.7	4.5	3.6	4.0	3.0									30.0
32.0	4.5	4.4	4.1	4.7	4.4	3.6	4.0	3.0									32.0
34.0	4.2	4.2	4.0	4.5	4.2	3.6	4.0	3.0									34.0
36.0	4.0	4.0	3.8	3.9	4.0	3.6	3.8	3.0									36.0
38.0	3.8	3.8	3.5	3.4	3.8	3.5	3.3	2.9									38.0
40.0	3.6	3.5	3.3	2.9	3.3	3.1	2.9	2.4									40.0
42.0	3.1	3.3	3.2	2.4	2.8	2.7	2.5	2.0									42.0
44.0	2.7	2.9	2.8	2.0	2.4	2.3	2.1	1.7									44.0
46.0	2.3	2.5	2.4	1.6	2.1	2.0	1.7	1.4									46.0
48.0	2.0	2.2	2.0	1.3	1.7	1.6	1.4	1.1									48.0
50.0	1.6	1.8	1.7		1.4	1.3	1.1										50.0
54.0	1.1	1.3	1.2														54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	6.2	6.4	6.4	6.4	6.4	6.3	6.5	6.5	6.5								12.0
	14.0	5.7	5.9	5.9	5.9	5.9	5.8	6.1	6.0	6.0	6.0	5.9	5.9	6.2	6.2	6.1	6.0	14.0
	16.0	5.3	5.5	5.5	5.5	5.5	5.4	5.7	5.6	5.6	5.6	5.5	5.5	5.8	5.8	5.7	5.7	16.0
	18.0	4.9	5.1	5.1	5.1	5.1	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.5	5.4	5.4	5.3	18.0
	20.0	4.6	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0	4.9	4.9	4.9	5.2	5.2	5.1	5.1	20.0
	22.0	4.3	4.6	4.5	4.5	4.5	4.5	4.7	4.7	4.7	4.7	4.6	4.7	4.9	4.9	4.8	4.8	22.0
	24.0	4.1	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.5	4.5	4.4	4.4	4.7	4.7	4.6	4.6	24.0
	26.0	3.9	4.1	4.1	4.1	4.1	4.1	4.3	4.3	4.3	4.3	4.2	4.2	4.5	4.5	4.4	4.4	26.0
	28.0	3.8	3.9	3.9	3.9	3.9	3.9	4.1	4.1	4.1	4.1	4.1	3.9	4.3	4.3	4.2	4.2	28.0
	30.0	3.7	3.8	3.8	3.8	3.8	3.8	4.0	4.0	4.0	3.9	3.8	3.6	4.1	4.1	4.1	4.1	30.0
	32.0		3.8	3.8	3.8	3.8	3.7	3.8	3.8	3.8	3.8	3.6	3.4	4.0	4.0	3.9	4.0	32.0
	34.0		3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.7	3.4	3.2	3.9	3.8	3.8	3.8	34.0
	36.0							3.7	3.7	3.7	3.7	3.2	3.0	3.8	3.8	3.7	3.7	36.0
	38.0							3.7	3.7	3.7			2.9	3.7	3.7	3.7	3.5	38.0
	40.0													3.7	3.7	3.7	3.3	40.0
	42.0													3.1				42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	6.0		6.3	6.2													14.0
	16.0	5.6	5.6	5.9	5.8	5.8	5.7	5.7	5.7		5.9	5.9	5.8	5.8	5.8			16.0
	18.0	5.3	5.3	5.6	5.5	5.5	5.4	5.4	5.4	5.3	5.6	5.6	5.5	5.5	5.5	5.4	5.4	18.0
	20.0	5.0	5.0	5.3	5.2	5.2	5.2	5.1	5.1	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.1	20.0
	22.0	4.8	4.8	5.0	5.0	4.9	4.9	4.9	4.9	4.9	5.1	5.1	5.0	5.0	5.0	4.9	4.9	22.0
	24.0	4.6	4.6	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.9	4.8	4.8	4.8	4.8	4.7	4.7	24.0
	26.0	4.4	4.4	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.7	4.7	4.6	4.6	4.6	4.6	4.6	26.0
	28.0	4.2	4.1	4.4	4.4	4.4	4.3	4.3	4.3	4.1	4.5	4.5	4.5	4.4	4.4	4.4	4.3	28.0
	30.0	4.1	3.9	4.3	4.2	4.2	4.2	4.2	4.1	3.8	4.3	4.3	4.3	4.3	4.3	4.2	4.0	30.0
	32.0	3.8	3.6	4.1	4.1	4.1	4.1	4.0	3.8	3.5	4.2	4.2	4.2	4.1	4.1	4.0	3.7	32.0
	34.0	3.6	3.4	4.0	4.0	4.0	3.9	3.8	3.5	3.3	4.1	4.1	4.1	4.0	4.0	3.7	3.4	34.0
	36.0	3.4	3.2	3.9	3.8	3.9	3.8	3.7	3.3	3.0	4.0	4.0	3.9	3.8	3.9	3.5	3.2	36.0
	38.0	3.3	3.0	3.8	3.8	3.8	3.7	3.5	3.1	2.8	3.9	3.8	3.9	3.7	3.7	3.3	3.0	38.0
	40.0	3.2	2.9	3.7	3.7	3.7	3.5	3.3	2.9	2.6	3.8	3.8	3.8	3.5	3.5	3.1	2.8	40.0
	42.0		2.8	3.2	3.7	3.6	3.4	3.2	2.7	2.4	3.4	3.6	3.7	3.4	3.2	2.9	2.6	42.0
	44.0			2.8	3.5	3.4	3.2	3.1	2.5	2.3	2.9	3.2	3.3	3.2	3.0	2.7	2.4	44.0
	46.0			2.3						2.1	2.5	2.8	2.9	3.2	2.8	2.6	2.3	46.0
	48.0										2.1	2.4	2.5	2.8	2.6	2.5	2.2	48.0
	50.0										1.8						2.1	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	5.6	5.6	5.5	5.6	5.5	5.4	5.4		5.7								18.0
	20.0	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.4	5.4	5.3	5.3	5.2		5.4		20.0
	22.0	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	5.2	5.2	5.1	5.1	5.0	4.8	5.2	5.1	22.0
↑ m	24.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	5.0	5.0	4.9	4.9	4.8	4.8	5.0	5.0	24.0
	26.0	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.8	4.8	4.7	4.7	4.7	4.6	4.8	4.8	26.0
	28.0	4.6	4.6	4.5	4.6	4.5	4.5	4.5	4.4	4.7	4.6	4.5	4.6	4.5	4.5	4.7	4.6	28.0
	30.0	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.1	4.5	4.5	4.4	4.4	4.4	4.3	4.5	4.5	30.0
	32.0	4.3	4.3	4.2	4.3	4.2	4.1	4.1	3.9	4.4	4.3	4.2	4.3	4.2	4.0	4.4	4.4	32.0
	34.0	4.2	4.2	4.1	4.1	4.1	3.9	3.9	3.6	4.2	4.2	4.0	4.2	4.0	3.8	4.3	4.2	34.0
	36.0	4.1	4.1	4.0	4.0	4.0	3.7	3.7	3.4	4.1	4.1	3.8	4.1	3.8	3.5	4.2	4.1	36.0
	38.0	4.0	4.0	3.8	3.9	3.9	3.5	3.4	3.2	3.8	4.0	3.6	4.0	3.6	3.3	3.8	4.0	38.0
	40.0	3.5	3.6	3.7	3.8	3.7	3.3	3.2	3.0	3.3	3.5	3.5	3.8	3.4	3.1	3.2	3.5	40.0
	42.0	3.0	3.1	3.5	3.5	3.5	3.1	3.0	2.8	2.8	3.0	3.3	3.5	3.2	2.9	2.7	3.1	42.0
	44.0	2.6	2.7	3.1	3.0	3.3	2.9	2.8	2.6	2.3	2.6	3.0	3.0	3.0	2.8	2.3	2.6	44.0
	46.0	2.1	2.3	2.6	2.6	2.9	2.8	2.6	2.4	1.9	2.2	2.6	2.6	2.8	2.6	1.9	2.2	46.0
	48.0	1.8	1.9	2.3	2.3	2.5	2.6	2.4	2.2	1.6	1.8	2.3	2.3	2.6	2.4	1.5	1.8	48.0
	50.0	1.4	1.6	1.9	1.9	2.2	2.4	2.2	2.1	1.2	1.5	1.9	1.9	2.3	2.3	1.2	1.5	50.0
	54.0			1.3					1.8			1.4	1.3	1.7	1.7			54.0
	58.0														1.2			58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
%	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	20	20	20	20	20	20	20	20									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	5.0	5.0		4.9													22.0
↑ m	24.0	4.9	4.8	4.2	4.9	4.5		4.0										24.0
	26.0	4.7	4.7	4.2	4.8	4.5	3.6	4.0	3.0									26.0
	28.0	4.6	4.5	4.2	4.6	4.5	3.6	4.0	3.0									28.0
	30.0	4.4	4.4	4.2	4.5	4.4	3.6	4.0	3.0									30.0
	32.0	4.3	4.3	4.1	4.4	4.3	3.6	4.0	3.0									32.0
	34.0	4.1	4.1	3.8	4.3	4.1	3.6	4.0	3.0									34.0
	36.0	3.9	3.8	3.6	4.2	3.9	3.6	3.9	3.0									36.0
	38.0	3.7	3.6	3.4	3.8	3.8	3.5	3.8	3.0									38.0
	40.0	3.5	3.5	3.3	3.2	3.6	3.3	3.3	2.9									40.0
	42.0	3.3	3.3	3.1	2.7	3.2	3.0	2.8	2.4									42.0
	44.0	2.9	3.1	2.9	2.3	2.7	2.6	2.4	2.0									44.0
	46.0	2.5	2.7	2.6	1.9	2.3	2.2	2.0	1.7									46.0
	48.0	2.2	2.4	2.3	1.5	1.9	1.9	1.7	1.4									48.0
	50.0	1.8	2.0	1.9	1.2	1.6	1.5	1.3	1.1									50.0
	54.0	1.2	1.4	1.3		1.0												54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
%	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	21.0 m	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	5.2																14.0
	16.0	4.9	5.0	5.0	5.0	5.0	4.9	5.1	5.1	5.1	5.0	5.0	5.0	5.1	5.1			16.0
	18.0	4.6	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.7	4.7	4.9	4.9	4.8	4.8	18.0
	20.0	4.3	4.5	4.5	4.5	4.5	4.4	4.6	4.6	4.6	4.5	4.5	4.5	4.7	4.7	4.6	4.6	20.0
	22.0	4.1	4.3	4.2	4.2	4.2	4.2	4.4	4.4	4.4	4.3	4.3	4.3	4.5	4.5	4.4	4.4	22.0
	24.0	3.9	4.1	4.1	4.1	4.1	4.0	4.2	4.2	4.2	4.2	4.1	4.2	4.3	4.3	4.3	4.2	24.0
	26.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.1	4.1	4.1	26.0
	28.0	3.7	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.8	4.0	4.0	4.0	4.0	28.0
	30.0		3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.7	3.6	3.9	3.9	3.9	3.9	30.0
	32.0		3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.3	3.8	3.8	3.8	3.8	32.0
	34.0							3.7	3.7	3.7	3.7	3.4	3.1	3.7	3.7	3.7	3.7	34.0
	36.0							3.7	3.7	3.7	3.7	3.2	3.0	3.7	3.7	3.6	3.6	36.0
	38.0													3.7	3.7	3.6	3.5	38.0
	40.0													3.7	3.7	3.6	3.3	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8		4.9							18.0
	20.0	4.6	4.6	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.6		20.0
	22.0	4.4	4.4	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.6	4.5	4.5	4.5	4.5	4.4	4.4	22.0
	24.0	4.2	4.2	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.3	4.3	24.0
	26.0	4.1	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.3	4.3	4.2	4.2	4.2	4.2	4.2	26.0
	28.0	3.9	3.9	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	28.0
	30.0	3.8	3.8	4.0	3.9	3.9	3.9	3.9	3.9	3.8	4.0	4.0	4.0	4.0	4.0	4.0	3.9	30.0
	32.0	3.7	3.5	3.9	3.9	3.8	3.8	3.8	3.7	3.5	3.9	3.9	3.9	3.9	3.9	3.9	3.6	32.0
	34.0	3.6	3.3	3.8	3.8	3.8	3.8	3.7	3.5	3.3	3.8	3.8	3.8	3.8	3.8	3.7	3.4	34.0
	36.0	3.4	3.2	3.7	3.7	3.7	3.7	3.6	3.3	3.0	3.8	3.8	3.8	3.7	3.7	3.5	3.2	36.0
	38.0	3.3	3.0	3.7	3.6	3.7	3.6	3.4	3.1	2.8	3.7	3.7	3.7	3.6	3.7	3.2	3.0	38.0
	40.0	3.2	2.9	3.6	3.6	3.6	3.5	3.3	2.9	2.6	3.6	3.6	3.7	3.4	3.5	3.1	2.8	40.0
	42.0			3.4	3.6	3.6	3.3	3.2	2.7	2.4	3.6	3.6	3.6	3.3	3.2	2.9	2.6	42.0
	44.0			2.9	3.5	3.4	3.2	3.2	2.5	2.3	3.1	3.3	3.5	3.2	3.0	2.7	2.4	44.0
	46.0									2.1	2.6	2.8	3.0	3.2	2.8	2.6	2.3	46.0
	48.0										2.2						2.2	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	31.6 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0	4.8	4.7	4.7	4.7	4.7												20.0
22.0	4.6	4.6	4.5	4.6	4.5	4.5	4.5		4.6	4.6	4.5	4.5	4.5				22.0
24.0	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.5	4.4	4.4	4.4	4.3	4.3	4.5	4.4	24.0
26.0	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.2	4.2	4.3	4.3	26.0
28.0	4.2	4.2	4.1	4.2	4.1	4.1	4.1	4.1	4.2	4.2	4.1	4.2	4.1	4.1	4.2	4.2	28.0
30.0	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.0	4.1	4.0	4.0	4.1	4.1	30.0
32.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	4.0	4.0	4.0	4.0	3.9	3.9	4.0	4.0	32.0
34.0	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.6	3.9	3.9	3.9	3.9	3.8	3.7	3.9	3.9	34.0
36.0	3.8	3.8	3.8	3.8	3.8	3.6	3.6	3.4	3.8	3.8	3.7	3.8	3.7	3.5	3.9	3.9	36.0
38.0	3.7	3.8	3.7	3.7	3.7	3.4	3.4	3.2	3.8	3.8	3.6	3.7	3.5	3.3	3.8	3.8	38.0
40.0	3.7	3.7	3.6	3.7	3.6	3.2	3.2	3.0	3.6	3.7	3.4	3.7	3.3	3.1	3.5	3.7	40.0
42.0	3.2	3.3	3.4	3.7	3.5	3.1	3.0	2.8	3.0	3.3	3.2	3.5	3.2	2.9	3.0	3.3	42.0
44.0	2.7	2.9	3.2	3.2	3.3	2.9	2.8	2.6	2.6	2.8	3.1	3.2	3.0	2.8	2.5	2.9	44.0
46.0	2.3	2.4	2.8	2.8	3.0	2.8	2.6	2.5	2.1	2.4	2.8	2.8	2.8	2.6	2.1	2.4	46.0
48.0	1.9	2.0	2.4	2.4	2.6	2.7	2.4	2.3	1.7	2.0	2.4	2.4	2.6	2.4	1.7	2.0	48.0
50.0	1.5	1.7	2.0	2.0	2.3	2.5	2.2	2.1	1.4	1.6	2.1	2.1	2.4	2.3	1.3	1.7	50.0
54.0								1.8			1.4	1.4	1.8	1.8		1.0	54.0
58.0														1.2			58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	30	30	30	30	30	30	30	30									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0																	22.0
24.0	4.4	4.4															24.0
26.0	4.2	4.2		4.3	4.2												26.0
28.0	4.1	4.1	4.1	4.2	4.1		4.0										28.0
30.0	4.0	4.0	4.0	4.1	4.0	3.6	4.0										30.0
32.0	4.0	3.9	3.9	4.0	4.0	3.6	4.0	2.6									32.0
34.0	3.9	3.9	3.7	3.9	3.9	3.6	3.9	2.6									34.0
36.0	3.8	3.8	3.5	3.9	3.8	3.6	3.8	2.6									36.0
38.0	3.6	3.6	3.3	3.8	3.7	3.4	3.7	2.6									38.0
40.0	3.4	3.4	3.2	3.6	3.5	3.2	3.5	2.6									40.0
42.0	3.3	3.2	3.0	3.0	3.4	3.1	3.2	2.6									42.0
44.0	3.1	3.1	2.9	2.6	3.0	2.9	2.7	2.4									44.0
46.0	2.7	2.9	2.7	2.1	2.5	2.5	2.3	2.0									46.0
48.0	2.3	2.5	2.4	1.8	2.2	2.1	1.9	1.7									48.0
50.0	2.0	2.2	2.1	1.4	1.8	1.7	1.5	1.4									50.0
54.0	1.4	1.5	1.5		1.2	1.1											54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	21.0 m	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	4.5																16.0
	18.0	4.3	4.4	4.4	4.4	4.4	4.3	4.4	4.4	4.4	4.4							18.0
	20.0	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.2	4.2	20.0
	22.0	3.9	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.1	22.0
	24.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	24.0
	26.0	3.7	3.8	3.8	3.8	3.8	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	26.0
	28.0	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	28.0
	30.0		3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.7	3.7	3.7	3.7	30.0
	32.0							3.7	3.7	3.7	3.7	3.5	3.3	3.7	3.7	3.7	3.7	32.0
	34.0							3.7	3.7	3.7	3.7	3.4	3.2	3.7	3.7	3.7	3.6	34.0
	36.0													3.7	3.7	3.7	3.6	36.0
	38.0													3.7	3.7	3.7	3.5	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	4.2	4.2	4.3	4.3	4.3	4.2	4.2										20.0
	22.0	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.1	4.1	4.1	4.1		22.0
	24.0	3.9	3.9	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.0	4.0	4.0	4.0	4.0	24.0
	26.0	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	3.9	3.9	3.9	3.9	3.9	26.0
	28.0	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.8	3.8	3.8	3.8	28.0
	30.0	3.7	3.7	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.7	3.7	30.0
	32.0	3.7	3.5	3.7	3.7	3.7	3.7	3.7	3.7	3.5	3.7	3.7	3.7	3.7	3.7	3.7	3.6	32.0
	34.0	3.6	3.3	3.7	3.7	3.6	3.6	3.6	3.5	3.3	3.7	3.7	3.7	3.7	3.7	3.6	3.4	34.0
	36.0	3.4	3.2	3.7	3.6	3.6	3.6	3.6	3.3	3.0	3.6	3.6	3.6	3.6	3.6	3.4	3.2	36.0
	38.0	3.3	3.1	3.7	3.6	3.6	3.6	3.4	3.1	2.8	3.6	3.6	3.6	3.5	3.6	3.2	3.0	38.0
	40.0			3.7	3.6	3.6	3.5	3.3	2.9	2.6	3.6	3.6	3.6	3.5	3.5	3.1	2.8	40.0
	42.0									2.4	3.6	3.6	3.6	3.4	3.2	2.9	2.6	42.0
	44.0										3.2	3.4	3.5	3.3	3.0	2.8	2.5	44.0
	46.0																2.3	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	4.2	4.2	4.1	4.2													22.0
	24.0	4.1	4.1	4.0	4.1	4.0	4.0	4.0		4.1	4.1	4.0	4.0					24.0
	26.0	4.0	4.0	3.9	4.0	3.9	3.9	3.9	3.9	4.0	4.0	3.9	3.9	3.9	3.9	4.0	4.0	26.0
	28.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.8	3.8	3.9	3.9	28.0
	30.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	30.0
	32.0	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.7	3.7	3.7	3.7	3.8	3.8	32.0
	34.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.5	3.7	3.7	3.7	3.7	3.7	3.6	3.7	3.7	34.0
	36.0	3.7	3.7	3.6	3.7	3.6	3.6	3.6	3.3	3.7	3.7	3.6	3.6	3.6	3.4	3.7	3.7	36.0
	38.0	3.6	3.6	3.6	3.6	3.6	3.4	3.4	3.1	3.6	3.6	3.5	3.6	3.5	3.3	3.6	3.6	38.0
	40.0	3.6	3.6	3.5	3.6	3.6	3.2	3.2	3.0	3.6	3.6	3.4	3.6	3.3	3.1	3.6	3.6	40.0
	42.0	3.4	3.5	3.4	3.6	3.5	3.1	3.0	2.8	3.3	3.5	3.2	3.6	3.2	2.9	3.2	3.5	42.0
	44.0	2.9	3.0	3.4	3.3	3.3	2.9	2.8	2.6	2.7	3.0	3.1	3.4	3.0	2.8	2.7	3.0	44.0
	46.0	2.4	2.5	2.9	2.9	3.1	2.8	2.6	2.5	2.3	2.5	2.9	2.9	2.8	2.6	2.3	2.6	46.0
	48.0	2.0	2.1	2.5	2.4	2.7	2.7	2.4	2.3	1.8	2.1	2.5	2.5	2.7	2.5	1.9	2.2	48.0
	50.0								2.1	1.4	1.7	2.2	2.1	2.5	2.3	1.5	1.8	50.0
	54.0														1.8		1.1	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	40	40	40	40	40	40	40	40									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
	24.0																	24.0
	26.0	3.9	3.9															26.0
	28.0	3.8	3.8		3.9	3.8												28.0
	30.0	3.8	3.8	3.8	3.8	3.8		3.8										30.0
	32.0	3.7	3.7	3.7	3.8	3.7	3.7	3.7										32.0
	34.0	3.7	3.7	3.6	3.7	3.7	3.7	3.7	3.5									34.0
	36.0	3.6	3.6	3.5	3.7	3.6	3.5	3.6	3.5									36.0
	38.0	3.5	3.5	3.3	3.6	3.6	3.4	3.6	3.4									38.0
	40.0	3.4	3.4	3.1	3.6	3.5	3.2	3.5	3.3									40.0
	42.0	3.3	3.2	3.0	3.3	3.3	3.1	3.4	3.1									42.0
	44.0	3.1	3.1	2.9	2.8	3.2	2.9	2.9	2.7									44.0
	46.0	2.9	3.0	2.7	2.3	2.7	2.7	2.5	2.3									46.0
	48.0	2.5	2.7	2.6	1.9	2.3	2.3	2.1	1.9									48.0
	50.0	2.1	2.3	2.2	1.5	1.9	1.9	1.7	1.6									50.0
	54.0	1.4	1.6	1.6		1.3	1.2	1.0										54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	21.0 m	27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0	10.0																3.0
3.5	9.9																3.5
4.0	9.9	9.7	9.8	9.8	9.7	9.2											4.0
4.5	9.8	9.6	9.7	9.7	9.7	9.2	9.4	9.5	9.4	8.8							4.5
5.0	9.7	9.5	9.6	9.6	9.6	9.1	9.3	9.4	9.3	8.8	8.2	8.0		9.1			5.0
6.0	9.5	9.3	9.5	9.4	9.4	9.0	9.2	9.3	9.2	8.7	8.2	8.0	9.0	9.0	8.4	8.0	6.0
7.0	9.3	9.2	9.3	9.2	9.2	8.8	9.0	9.1	9.0	8.5	8.1	7.9	8.8	8.9	8.3	8.0	7.0
8.0	9.1	9.0	9.1	9.1	9.0	8.6	8.9	9.0	8.9	8.4	8.0	7.8	8.7	8.7	8.2	7.9	8.0
9.0	8.8	8.8	8.9	8.9	8.8	8.5	8.7	8.8	8.7	8.3	7.9	7.7	8.5	8.6	8.1	7.8	9.0
10.0	8.5	8.6	8.6	8.6	8.6	8.3	8.6	8.6	8.6	8.1	7.8	7.6	8.4	8.4	8.0	7.7	10.0
12.0	7.7	8.1	8.1	8.1	8.1	7.9	8.2	8.2	8.2	7.8	7.5	7.4	8.1	8.2	7.7	7.5	12.0
14.0	7.0	7.6	7.5	7.5	7.5	7.4	7.8	7.8	7.8	7.5	7.3	7.1	7.8	7.8	7.5	7.2	14.0
16.0	6.3	6.9	6.9	6.9	6.9	6.8	7.4	7.4	7.3	7.2	7.0	6.8	7.5	7.5	7.2	7.0	16.0
18.0	5.7	6.4	6.3	6.3	6.3	6.2	6.8	6.8	6.8	6.7	6.5	6.4	7.2	7.2	7.0	6.8	18.0
20.0	5.2	5.8	5.8	5.8	5.8	5.7	6.3	6.3	6.3	6.2	6.1	6.0	6.7	6.7	6.5	6.5	20.0
22.0	4.8	5.3	5.3	5.3	5.3	5.3	5.9	5.8	5.8	5.7	5.6	5.4	6.3	6.2	6.1	6.1	22.0
24.0	4.5	5.0	4.9	4.9	4.9	4.9	5.4	5.4	5.3	5.3	5.2	4.9	5.9	5.8	5.7	5.7	24.0
26.0	4.2	4.7	4.6	4.6	4.6	4.6	5.1	5.0	5.0	5.0	4.7	4.5	5.5	5.4	5.4	5.3	26.0
28.0	4.0	4.4	4.3	4.3	4.3	4.3	4.8	4.7	4.7	4.7	4.4	4.1	5.1	5.1	5.0	5.0	28.0
30.0	3.8	4.1	4.1	4.1	4.1	4.1	4.5	4.5	4.4	4.4	4.0	3.8	4.9	4.8	4.8	4.7	30.0
32.0		4.0	3.9	3.9	3.9	3.9	4.3	4.2	4.2	4.2	3.7	3.5	4.6	4.5	4.5	4.3	32.0
34.0		3.8	3.8	3.8	3.8	3.8	4.1	4.0	4.0	4.0	3.5	3.3	4.1	4.3	4.3	4.0	34.0
36.0							3.8	3.9	3.9	3.9	3.3	3.1	3.5	4.1	4.1	3.7	36.0
38.0							3.4	3.8	3.8	3.8	3.1	2.9	3.1	3.8	4.0	3.5	38.0
40.0													2.6	3.3	3.9	3.3	40.0
42.0													2.3	3.0	3.5	3.1	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	7.7	7.4	8.6	8.2													6.0
7.0	7.6	7.4	8.5	8.1	7.8	7.6	7.4	7.0		7.7	7.7						7.0
8.0	7.5	7.3	8.4	8.0	7.7	7.5	7.3	6.9	6.4	7.6	7.6	7.4	7.1	7.0	6.5		8.0
9.0	7.5	7.2	8.3	7.9	7.7	7.4	7.2	6.9	6.4	7.6	7.5	7.4	7.0	6.9	6.5	5.9	9.0
10.0	7.4	7.2	8.2	7.8	7.6	7.3	7.1	6.8	6.4	7.5	7.5	7.3	7.0	6.9	6.5	5.9	10.0
12.0	7.2	7.0	7.9	7.6	7.4	7.2	7.0	6.7	6.3	7.3	7.3	7.1	6.8	6.7	6.4	5.9	12.0
14.0	7.0	6.8	7.7	7.4	7.2	7.0	6.8	6.6	6.2	7.1	7.1	7.0	6.7	6.6	6.3	5.9	14.0
16.0	6.8	6.6	7.4	7.2	7.0	6.8	6.7	6.4	6.1	7.0	6.9	6.8	6.5	6.5	6.2	5.8	16.0
18.0	6.6	6.3	7.2	6.9	6.8	6.7	6.5	6.2	5.9	6.8	6.8	6.7	6.4	6.4	6.0	5.7	18.0
20.0	6.4	6.1	7.0	6.7	6.6	6.5	6.4	5.9	5.6	6.6	6.6	6.5	6.3	6.2	5.8	5.6	20.0
22.0	6.0	5.7	6.6	6.4	6.4	6.3	6.2	5.7	5.3	6.4	6.4	6.3	6.1	6.1	5.6	5.3	22.0
24.0	5.6	5.3	6.2	6.1	6.0	6.0	5.9	5.4	5.0	6.3	6.2	6.2	6.0	5.9	5.4	5.0	24.0
26.0	5.2	4.9	5.9	5.7	5.7	5.6	5.5	5.0	4.6	6.0	6.0	5.9	5.8	5.8	5.2	4.8	26.0
28.0	4.7	4.5	5.5	5.4	5.4	5.3	5.2	4.6	4.3	5.7	5.7	5.6	5.4	5.4	4.8	4.5	28.0
30.0	4.4	4.1	5.2	5.1	5.0	5.0	4.8	4.2	3.9	5.4	5.4	5.3	5.1	5.0	4.5	4.2	30.0
32.0	4.1	3.8	4.7	4.8	4.8	4.7	4.4	3.9	3.6	4.8	5.1	5.1	4.8	4.7	4.2	3.9	32.0
34.0	3.8	3.6	4.1	4.6	4.6	4.4	4.2	3.6	3.3	4.2	4.4	4.6	4.5	4.3	3.8	3.6	34.0
36.0	3.6	3.3	3.5	4.3	4.4	4.1	3.9	3.3	3.0	3.6	3.9	4.0	4.2	4.0	3.6	3.3	36.0
38.0	3.4	3.2	3.0	3.8	4.0	3.8	3.7	3.1	2.8	3.1	3.4	3.5	3.8	3.7	3.3	3.0	38.0
40.0	3.2	3.0	2.6	3.4	3.5	3.6	3.5	2.9	2.6	2.7	2.9	3.1	3.4	3.4	3.1	2.8	40.0
42.0	3.1	2.9	2.2	3.0	3.2	3.3	3.3	2.7	2.4	2.3	2.5	2.7	3.0	3.0	2.9	2.6	42.0
44.0			1.9	2.6	2.8	3.0	3.1	2.5	2.2	1.9	2.2	2.3	2.6	2.7	2.7	2.5	44.0
46.0			1.6	2.3	2.5	2.7	2.8	2.4	2.1	1.6	1.9	2.0	2.3	2.4	2.6	2.3	46.0
48.0									2.0	1.3	1.6	1.8	2.0	2.1	2.3	2.2	48.0
50.0										1.1	1.3	1.5	1.8	1.8	2.1	2.0	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	7.3																8.0
	9.0	7.2	7.1	6.7	7.0	6.7	6.3	6.0										9.0
	10.0	7.2	7.1	6.7	6.9	6.6	6.3	6.0	5.2	6.6	6.4	5.9	6.2	5.6				10.0
	12.0	7.0	6.9	6.6	6.8	6.5	6.2	6.0	5.2	6.5	6.4	5.9	6.1	5.6	4.8	5.9	5.5	12.0
	14.0	6.9	6.8	6.4	6.7	6.4	6.1	5.9	5.2	6.4	6.2	5.8	6.0	5.6	4.8	5.9	5.5	14.0
	16.0	6.7	6.6	6.3	6.5	6.3	6.0	5.8	5.2	6.3	6.1	5.7	5.9	5.6	4.8	5.8	5.5	16.0
	18.0	6.6	6.5	6.2	6.4	6.2	5.9	5.7	5.2	6.2	6.0	5.7	5.8	5.5	4.8	5.7	5.4	18.0
	20.0	6.4	6.4	6.1	6.3	6.1	5.8	5.7	5.2	6.1	5.9	5.6	5.8	5.4	4.8	5.6	5.4	20.0
	22.0	6.3	6.2	6.0	6.1	5.9	5.6	5.5	5.1	6.0	5.8	5.5	5.7	5.4	4.8	5.5	5.3	22.0
	24.0	6.1	6.1	5.9	6.0	5.8	5.4	5.3	5.0	5.9	5.7	5.3	5.6	5.2	4.8	5.4	5.2	24.0
	26.0	6.0	5.9	5.7	5.9	5.7	5.2	5.1	4.8	5.8	5.6	5.2	5.5	5.0	4.7	5.4	5.2	26.0
	28.0	5.8	5.8	5.6	5.7	5.6	5.0	4.9	4.5	5.6	5.5	5.0	5.4	4.9	4.5	5.3	5.1	28.0
	30.0	5.1	5.2	5.3	5.5	5.3	4.8	4.7	4.3	4.7	5.1	4.8	5.3	4.7	4.3	4.5	4.9	30.0
	32.0	4.3	4.5	4.9	4.9	5.0	4.5	4.4	4.1	4.0	4.3	4.6	4.8	4.5	4.2	3.8	4.2	32.0
	34.0	3.7	3.8	4.2	4.2	4.5	4.2	4.0	3.8	3.4	3.7	4.2	4.2	4.3	4.0	3.2	3.6	34.0
	36.0	3.1	3.2	3.7	3.7	4.0	3.9	3.7	3.6	2.8	3.1	3.6	3.6	4.0	3.7	2.7	3.1	36.0
	38.0	2.6	2.7	3.2	3.2	3.5	3.6	3.4	3.3	2.3	2.6	3.1	3.1	3.5	3.5	2.2	2.6	38.0
	40.0	2.2	2.3	2.7	2.7	3.0	3.3	3.2	3.0	1.9	2.2	2.7	2.7	3.1	3.0	1.8	2.2	40.0
	42.0	1.8	1.9	2.3	2.3	2.6	2.9	2.9	2.8	1.5	1.8	2.3	2.3	2.7	2.6	1.4	1.8	42.0
	44.0	1.4	1.6	2.0	2.0	2.3	2.5	2.7	2.6	1.1	1.4	1.9	1.9	2.3	2.2	1.0	1.4	44.0
	46.0	1.1	1.3	1.7	1.6	1.9	2.2	2.4	2.3		1.1	1.6	1.6	2.0	1.9		1.1	46.0
	48.0			1.4	1.4	1.7	1.9	2.1	2.0			1.3	1.3	1.7	1.6			48.0
	50.0			1.1	1.1	1.4	1.6	1.8	1.7			1.1	1.0	1.4	1.4			50.0
	54.0						1.2	1.4	1.2									54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	0	0	0	0	0	0	0	0									°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	5.1	5.1		4.9	4.5												12.0
	14.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0										14.0
	16.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									16.0
	18.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									18.0
	20.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									20.0
	22.0	5.1	5.0	4.2	4.9	4.5	3.6	4.0	3.0									22.0
	24.0	5.0	5.0	4.2	4.9	4.5	3.6	4.0	3.0									24.0
	26.0	4.9	4.9	4.2	4.9	4.5	3.6	4.0	3.0									26.0
	28.0	4.8	4.7	4.2	4.8	4.5	3.6	4.0	3.0									28.0
	30.0	4.6	4.6	4.2	4.3	4.4	3.6	4.0	3.0									30.0
	32.0	4.5	4.4	4.1	3.6	4.1	3.6	3.6	3.0									32.0
	34.0	4.0	4.2	3.9	3.0	3.5	3.2	3.0	2.5									34.0
	36.0	3.5	3.7	3.4	2.5	3.0	2.7	2.5	2.0									36.0
	38.0	3.0	3.2	2.9	2.1	2.6	2.3	2.1	1.6									38.0
	40.0	2.5	2.7	2.5	1.7	2.2	1.9	1.7	1.2									40.0
	42.0	2.1	2.3	2.2	1.4	1.8	1.5	1.3										42.0
	44.0	1.8	2.0	1.8	1.0	1.5	1.2	1.0										44.0
	46.0	1.4	1.7	1.5		1.2												46.0
	48.0	1.2	1.4	1.2														48.0
	50.0		1.1															50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	21.0 m	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0	9.0																7.0
	8.0	8.8	8.7	8.8	8.8	8.7	8.4											8.0
	9.0	8.2	8.5	8.5	8.5	8.5	8.2	8.4	8.5	8.4	8.1							9.0
	10.0	7.7	8.1	8.1	8.1	8.1	8.0	8.2	8.3	8.2	7.9	7.6	7.4	8.1	8.2	7.8	7.5	10.0
	12.0	6.9	7.3	7.3	7.3	7.3	7.2	7.6	7.6	7.6	7.4	7.3	7.2	7.8	7.8	7.5	7.3	12.0
	14.0	6.3	6.7	6.7	6.6	6.6	6.6	7.0	6.9	6.9	6.8	6.8	6.8	7.2	7.2	7.0	7.0	14.0
	16.0	5.7	6.1	6.1	6.1	6.1	6.0	6.4	6.4	6.4	6.3	6.2	6.3	6.7	6.7	6.5	6.5	16.0
	18.0	5.2	5.6	5.6	5.6	5.6	5.6	6.0	5.9	5.9	5.9	5.8	5.9	6.3	6.2	6.1	6.1	18.0
	20.0	4.9	5.2	5.2	5.2	5.2	5.2	5.6	5.5	5.5	5.5	5.4	5.5	5.8	5.8	5.7	5.7	20.0
	22.0	4.5	4.9	4.9	4.9	4.9	4.8	5.2	5.2	5.2	5.1	5.1	5.1	5.5	5.4	5.4	5.3	22.0
	24.0	4.2	4.6	4.6	4.6	4.6	4.6	4.9	4.9	4.9	4.8	4.8	4.7	5.2	5.1	5.1	5.0	24.0
	26.0	4.0	4.4	4.3	4.3	4.3	4.3	4.7	4.6	4.6	4.6	4.5	4.4	4.9	4.9	4.8	4.8	26.0
	28.0	3.9	4.1	4.1	4.1	4.1	4.1	4.4	4.4	4.4	4.3	4.2	4.0	4.7	4.6	4.6	4.6	28.0
	30.0	3.8	4.0	3.9	3.9	3.9	3.9	4.2	4.2	4.2	4.1	3.9	3.7	4.4	4.4	4.4	4.3	30.0
	32.0		3.8	3.8	3.8	3.8	3.8	4.0	4.0	4.0	4.0	3.7	3.4	4.3	4.2	4.2	4.2	32.0
	34.0		3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.8	3.4	3.2	4.1	4.0	4.0	3.9	34.0
	36.0							3.8	3.8	3.8	3.8	3.3	3.0	3.8	3.9	3.9	3.7	36.0
	38.0							3.5	3.8	3.8	3.8	3.1	2.9	3.3	3.8	3.8	3.5	38.0
	40.0													2.8	3.5	3.8	3.3	40.0
	42.0													2.4	3.1	3.6	3.1	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	7.1	6.9	7.7	7.4	7.2	7.0	6.9	6.6		7.1	7.1	7.0	6.7				12.0
	14.0	6.9	6.7	7.4	7.2	7.0	6.8	6.7	6.5	6.1	7.0	6.9	6.8	6.6	6.5	6.2	5.8	14.0
	16.0	6.4	6.4	6.9	6.7	6.7	6.6	6.5	6.3	6.0	6.8	6.8	6.6	6.4	6.4	6.1	5.7	16.0
	18.0	6.0	6.0	6.5	6.3	6.3	6.2	6.2	6.1	5.9	6.5	6.5	6.4	6.2	6.2	6.0	5.7	18.0
	20.0	5.6	5.6	6.1	5.9	5.9	5.9	5.8	5.7	5.7	6.1	6.1	6.0	6.0	6.0	5.8	5.5	20.0
	22.0	5.3	5.3	5.7	5.6	5.6	5.5	5.5	5.5	5.4	5.8	5.8	5.7	5.7	5.7	5.6	5.4	22.0
	24.0	5.0	5.0	5.4	5.3	5.3	5.2	5.2	5.2	5.0	5.5	5.5	5.5	5.4	5.4	5.3	5.1	24.0
	26.0	4.7	4.6	5.1	5.0	5.0	5.0	4.9	4.8	4.6	5.2	5.2	5.2	5.1	5.1	5.0	4.7	26.0
	28.0	4.5	4.3	4.9	4.8	4.8	4.7	4.7	4.5	4.2	5.0	5.0	4.9	4.9	4.9	4.7	4.4	28.0
	30.0	4.2	4.0	4.7	4.6	4.6	4.5	4.5	4.2	3.8	4.8	4.7	4.7	4.6	4.7	4.3	4.0	30.0
	32.0	4.0	3.7	4.5	4.4	4.4	4.4	4.2	3.9	3.5	4.6	4.6	4.5	4.4	4.5	4.1	3.7	32.0
	34.0	3.7	3.5	4.3	4.2	4.2	4.2	4.0	3.5	3.3	4.4	4.4	4.4	4.2	4.2	3.8	3.5	34.0
	36.0	3.5	3.3	3.8	4.1	4.1	4.0	3.8	3.3	3.0	3.9	4.2	4.2	4.0	4.0	3.5	3.2	36.0
	38.0	3.3	3.1	3.3	3.9	4.0	3.7	3.6	3.1	2.8	3.4	3.6	3.8	3.8	3.7	3.3	3.0	38.0
	40.0	3.2	3.0	2.8	3.5	3.7	3.5	3.4	2.9	2.6	2.9	3.2	3.3	3.6	3.4	3.1	2.8	40.0
	42.0	3.1	2.8	2.4	3.1	3.3	3.4	3.3	2.7	2.4	2.5	2.7	2.9	3.2	3.2	2.9	2.6	42.0
	44.0			2.0	2.7	2.9	3.1	3.1	2.5	2.2	2.1	2.4	2.5	2.8	2.8	2.7	2.4	44.0
	46.0			1.7	2.4	2.6	2.7	2.9	2.4	2.1	1.8	2.0	2.2	2.4	2.5	2.6	2.3	46.0
	48.0									2.0	1.5	1.7	1.9	2.1	2.2	2.4	2.2	48.0
	50.0										1.2	1.4	1.6	1.8	1.9	2.2	2.1	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	6.7	6.6	6.4	6.6	6.3	6.1	5.9		6.3								14.0
	16.0	6.6	6.5	6.2	6.4	6.2	6.0	5.8	5.2	6.2	6.1	5.7	5.9	5.5		5.7	5.5	16.0
	18.0	6.4	6.3	6.1	6.3	6.1	5.9	5.7	5.2	6.1	6.0	5.6	5.8	5.5	4.8	5.6	5.4	18.0
	20.0	6.2	6.2	5.9	6.1	5.9	5.8	5.6	5.2	6.0	5.8	5.5	5.7	5.4	4.8	5.5	5.3	20.0
	22.0	5.9	5.9	5.8	5.8	5.8	5.6	5.5	5.1	5.8	5.7	5.4	5.6	5.3	4.8	5.5	5.3	22.0
	24.0	5.6	5.6	5.5	5.6	5.5	5.4	5.4	5.0	5.7	5.6	5.3	5.5	5.2	4.8	5.4	5.2	24.0
	26.0	5.4	5.4	5.3	5.3	5.3	5.2	5.1	4.8	5.5	5.4	5.2	5.3	5.1	4.7	5.3	5.1	26.0
	28.0	5.1	5.1	5.1	5.1	5.0	4.8	4.8	4.6	5.2	5.2	5.0	5.1	4.9	4.6	5.2	5.0	28.0
	30.0	4.9	4.9	4.8	4.9	4.8	4.6	4.5	4.3	5.0	5.0	4.7	4.9	4.6	4.4	5.0	4.9	30.0
	32.0	4.7	4.7	4.6	4.7	4.6	4.3	4.2	4.0	4.5	4.8	4.4	4.8	4.4	4.1	4.3	4.7	32.0
	34.0	4.1	4.2	4.4	4.5	4.4	4.0	3.9	3.7	3.8	4.1	4.2	4.6	4.1	3.9	3.7	4.1	34.0
	36.0	3.5	3.6	4.0	4.0	4.2	3.8	3.7	3.4	3.2	3.5	3.9	4.0	3.9	3.6	3.1	3.5	36.0
	38.0	3.0	3.1	3.5	3.5	3.8	3.5	3.4	3.2	2.7	3.0	3.5	3.5	3.6	3.4	2.6	3.0	38.0
	40.0	2.5	2.6	3.0	3.0	3.3	3.3	3.2	3.0	2.2	2.5	3.0	3.0	3.3	3.2	2.1	2.5	40.0
	42.0	2.1	2.2	2.6	2.6	2.9	3.1	3.0	2.8	1.8	2.1	2.6	2.5	2.9	2.9	1.7	2.1	42.0
	44.0	1.7	1.8	2.2	2.2	2.5	2.7	2.7	2.6	1.4	1.7	2.2	2.2	2.5	2.5	1.3	1.7	44.0
	46.0	1.3	1.5	1.9	1.8	2.1	2.4	2.5	2.4	1.1	1.3	1.8	1.8	2.2	2.1		1.3	46.0
	48.0	1.0	1.2	1.5	1.5	1.8	2.1	2.2	2.1		1.0	1.5	1.5	1.9	1.8		1.0	48.0
	50.0			1.3	1.2	1.5	1.8	1.9	1.8			1.2	1.2	1.6	1.5			50.0
	54.0					1.0	1.3	1.4	1.3					1.1	1.0			54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	10	10	10	10	10	10	10	10									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	5.1	5.1		4.9	4.5												18.0
	20.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0										20.0
	22.0	5.1	5.0	4.2	4.9	4.5	3.6	4.0	3.0									22.0
	24.0	5.0	5.0	4.2	4.9	4.5	3.6	4.0	3.0									24.0
	26.0	4.9	4.9	4.2	4.8	4.5	3.6	4.0	3.0									26.0
	28.0	4.8	4.8	4.2	4.8	4.5	3.6	4.0	3.0									28.0
	30.0	4.7	4.6	4.2	4.7	4.5	3.6	4.0	3.0									30.0
	32.0	4.5	4.4	4.1	4.2	4.4	3.6	4.0	3.0									32.0
	34.0	4.2	4.2	4.0	3.6	4.0	3.6	3.5	3.0									34.0
	36.0	3.9	4.0	3.8	3.0	3.5	3.2	3.0	2.5									36.0
	38.0	3.3	3.5	3.3	2.5	3.0	2.7	2.5	2.1									38.0
	40.0	2.8	3.0	2.9	2.1	2.5	2.3	2.1	1.7									40.0
	42.0	2.4	2.6	2.5	1.7	2.2	1.9	1.7	1.3									42.0
	44.0	2.0	2.2	2.1	1.4	1.8	1.6	1.4										44.0
	46.0	1.7	1.9	1.8	1.0	1.4	1.3	1.1										46.0
	48.0	1.4	1.6	1.5		1.1												48.0
	50.0	1.1	1.3	1.2														50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	21.0 m	27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	6.2	6.4	6.4	6.4	6.4	6.3	6.5	6.5	6.5								12.0
14.0	5.7	5.9	5.9	5.9	5.9	5.8	6.1	6.0	6.0	6.0	5.9	5.9	6.2	6.2	6.1	6.0	14.0
16.0	5.3	5.5	5.5	5.5	5.5	5.4	5.7	5.6	5.6	5.6	5.5	5.5	5.8	5.8	5.7	5.7	16.0
18.0	4.9	5.1	5.1	5.1	5.1	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.5	5.4	5.4	5.3	18.0
20.0	4.6	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0	4.9	4.9	4.9	5.2	5.2	5.1	5.1	20.0
22.0	4.3	4.6	4.5	4.5	4.5	4.5	4.7	4.7	4.7	4.7	4.6	4.7	4.9	4.9	4.8	4.8	22.0
24.0	4.1	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.5	4.5	4.4	4.4	4.7	4.7	4.6	4.6	24.0
26.0	3.9	4.1	4.1	4.1	4.1	4.1	4.3	4.3	4.3	4.3	4.2	4.2	4.5	4.5	4.4	4.4	26.0
28.0	3.8	3.9	3.9	3.9	3.9	3.9	4.1	4.1	4.1	4.1	4.1	3.9	4.3	4.3	4.2	4.2	28.0
30.0	3.7	3.8	3.8	3.8	3.8	3.8	4.0	4.0	4.0	3.9	3.8	3.6	4.1	4.1	4.1	4.1	30.0
32.0		3.8	3.8	3.8	3.8	3.7	3.8	3.8	3.8	3.8	3.6	3.4	4.0	4.0	3.9	4.0	32.0
34.0		3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.7	3.4	3.2	3.9	3.8	3.8	3.8	34.0
36.0							3.7	3.7	3.7	3.7	3.2	3.0	3.8	3.8	3.7	3.7	36.0
38.0							3.6	3.7	3.7			2.9	3.5	3.7	3.7	3.5	38.0
40.0													3.0	3.6	3.7	3.3	40.0
42.0													2.5				42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	6.0		6.3	6.2													14.0
16.0	5.6	5.6	5.9	5.8	5.8	5.7	5.7	5.7		5.9	5.9	5.8	5.8	5.8			16.0
18.0	5.3	5.3	5.6	5.5	5.5	5.4	5.4	5.4	5.3	5.6	5.6	5.5	5.5	5.5	5.4	5.4	18.0
20.0	5.0	5.0	5.3	5.2	5.2	5.2	5.1	5.1	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.1	20.0
22.0	4.8	4.8	5.0	5.0	4.9	4.9	4.9	4.9	4.9	5.1	5.1	5.0	5.0	5.0	4.9	4.9	22.0
24.0	4.6	4.6	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.9	4.8	4.8	4.8	4.8	4.7	4.7	24.0
26.0	4.4	4.4	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.7	4.7	4.6	4.6	4.6	4.6	4.6	26.0
28.0	4.2	4.1	4.4	4.4	4.4	4.3	4.3	4.3	4.1	4.5	4.5	4.5	4.4	4.4	4.4	4.3	28.0
30.0	4.1	3.9	4.3	4.2	4.2	4.2	4.2	4.1	3.8	4.3	4.3	4.3	4.3	4.3	4.2	4.0	30.0
32.0	3.8	3.6	4.1	4.1	4.1	4.1	4.0	3.8	3.5	4.2	4.2	4.2	4.1	4.1	4.0	3.7	32.0
34.0	3.6	3.4	4.0	4.0	4.0	3.9	3.8	3.5	3.3	4.1	4.1	4.1	4.0	4.0	3.7	3.4	34.0
36.0	3.4	3.2	3.9	3.8	3.9	3.8	3.7	3.3	3.0	4.0	4.0	3.9	3.8	3.9	3.5	3.2	36.0
38.0	3.3	3.0	3.5	3.8	3.8	3.7	3.5	3.1	2.8	3.7	3.8	3.9	3.7	3.7	3.3	3.0	38.0
40.0	3.2	2.9	3.0	3.7	3.7	3.5	3.3	2.9	2.6	3.2	3.4	3.6	3.5	3.5	3.1	2.8	40.0
42.0		2.8	2.6	3.3	3.4	3.4	3.2	2.7	2.4	2.7	2.9	3.1	3.3	3.2	2.9	2.6	42.0
44.0			2.1	2.8	3.0	3.2	3.1	2.5	2.3	2.3	2.5	2.7	2.9	3.0	2.7	2.4	44.0
46.0			1.7						2.1	1.9	2.1	2.3	2.6	2.6	2.6	2.3	46.0
48.0										1.6	1.8	2.0	2.2	2.3	2.5	2.2	48.0
50.0										1.2						2.1	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	5.6	5.6	5.5	5.6	5.5	5.4	5.4		5.7								18.0
	20.0	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.4	5.4	5.3	5.3	5.2		5.4		20.0
	22.0	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	5.2	5.2	5.1	5.1	5.0	4.8	5.2	5.1	22.0
	24.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	5.0	5.0	4.9	4.9	4.8	4.8	5.0	5.0	24.0
	26.0	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.8	4.8	4.7	4.7	4.7	4.6	4.8	4.8	26.0
	28.0	4.6	4.6	4.5	4.6	4.5	4.5	4.5	4.4	4.7	4.6	4.5	4.6	4.5	4.5	4.7	4.6	28.0
	30.0	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.1	4.5	4.5	4.4	4.4	4.4	4.3	4.5	4.5	30.0
	32.0	4.3	4.3	4.2	4.3	4.2	4.1	4.1	3.9	4.4	4.3	4.2	4.3	4.2	4.0	4.4	4.4	32.0
	34.0	4.2	4.2	4.1	4.1	4.1	3.9	3.9	3.6	4.2	4.2	4.0	4.2	4.0	3.8	4.2	4.2	34.0
	36.0	3.9	4.0	4.0	4.0	4.0	3.7	3.7	3.4	3.6	3.9	3.8	4.1	3.8	3.5	3.6	3.9	36.0
	38.0	3.3	3.4	3.8	3.8	3.9	3.5	3.4	3.2	3.1	3.3	3.6	3.8	3.6	3.3	3.0	3.3	38.0
	40.0	2.8	2.9	3.3	3.3	3.5	3.3	3.2	3.0	2.6	2.8	3.3	3.3	3.4	3.1	2.5	2.8	40.0
	42.0	2.3	2.4	2.8	2.8	3.1	3.1	3.0	2.8	2.1	2.4	2.8	2.8	3.2	2.9	2.0	2.4	42.0
	44.0	1.9	2.0	2.4	2.4	2.7	2.9	2.8	2.6	1.7	1.9	2.4	2.4	2.7	2.7	1.6	2.0	44.0
	46.0	1.5	1.7	2.0	2.0	2.3	2.5	2.6	2.4	1.3	1.6	2.0	2.0	2.4	2.3	1.3	1.6	46.0
	48.0	1.2	1.3	1.7	1.7	2.0	2.2	2.3	2.2		1.2	1.7	1.7	2.0	2.0		1.3	48.0
	50.0			1.4	1.4	1.6	1.9	2.0	2.0			1.4	1.4	1.7	1.7			50.0
	54.0								1.4					1.2	1.2			54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	20	20	20	20	20	20	20	20									°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	5.0	5.0		4.9													22.0
	24.0	4.9	4.8	4.2	4.9	4.5		4.0										24.0
	26.0	4.7	4.7	4.2	4.8	4.5	3.6	4.0	3.0									26.0
	28.0	4.6	4.5	4.2	4.6	4.5	3.6	4.0	3.0									28.0
	30.0	4.4	4.4	4.2	4.5	4.4	3.6	4.0	3.0									30.0
	32.0	4.3	4.3	4.1	4.4	4.3	3.6	4.0	3.0									32.0
	34.0	4.1	4.1	3.8	4.1	4.1	3.6	4.0	3.0									34.0
	36.0	3.9	3.8	3.6	3.5	3.9	3.6	3.4	3.0									36.0
	38.0	3.7	3.6	3.4	3.0	3.4	3.1	2.9	2.5									38.0
	40.0	3.2	3.3	3.2	2.5	2.9	2.7	2.5	2.1									40.0
	42.0	2.7	2.9	2.8	2.1	2.5	2.3	2.1	1.7									42.0
	44.0	2.3	2.5	2.4	1.7	2.1	1.9	1.7	1.3									44.0
	46.0	1.9	2.1	2.0	1.3	1.7	1.6	1.4	1.0									46.0
	48.0	1.6	1.8	1.7		1.4	1.3	1.1										48.0
	50.0	1.3	1.5	1.4		1.1												50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	21.0 m	27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	5.2																14.0
16.0	4.9	5.0	5.0	5.0	5.0	4.9	5.1	5.1	5.1	5.0	5.0	5.0	5.1	5.1			16.0
18.0	4.6	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.7	4.7	4.9	4.9	4.8	4.8	18.0
20.0	4.3	4.5	4.5	4.5	4.5	4.4	4.6	4.6	4.6	4.5	4.5	4.5	4.7	4.7	4.6	4.6	20.0
22.0	4.1	4.3	4.2	4.2	4.2	4.2	4.4	4.4	4.4	4.3	4.3	4.3	4.5	4.5	4.4	4.4	22.0
24.0	3.9	4.1	4.1	4.1	4.1	4.0	4.2	4.2	4.2	4.2	4.1	4.2	4.3	4.3	4.3	4.2	24.0
26.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.1	4.1	4.1	26.0
28.0	3.7	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.8	4.0	4.0	4.0	4.0	28.0
30.0		3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.7	3.6	3.9	3.9	3.9	3.9	30.0
32.0		3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.3	3.8	3.8	3.8	3.8	32.0
34.0							3.7	3.7	3.7	3.7	3.4	3.1	3.7	3.7	3.7	3.7	34.0
36.0							3.7	3.7	3.7	3.7	3.2	3.0	3.7	3.7	3.6	3.6	36.0
38.0													3.7	3.7	3.6	3.5	38.0
40.0													3.1	3.7	3.6	3.3	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8		4.9							18.0
20.0	4.6	4.6	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.6		20.0
22.0	4.4	4.4	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.6	4.5	4.5	4.5	4.5	4.4	4.4	22.0
24.0	4.2	4.2	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.3	4.3	24.0
26.0	4.1	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.3	4.3	4.2	4.2	4.2	4.2	4.2	26.0
28.0	3.9	3.9	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	28.0
30.0	3.8	3.8	4.0	3.9	3.9	3.9	3.9	3.9	3.8	4.0	4.0	4.0	4.0	4.0	4.0	3.9	30.0
32.0	3.7	3.5	3.9	3.9	3.8	3.8	3.8	3.7	3.5	3.9	3.9	3.9	3.9	3.9	3.9	3.6	32.0
34.0	3.6	3.3	3.8	3.8	3.8	3.8	3.7	3.5	3.3	3.8	3.8	3.8	3.8	3.8	3.7	3.4	34.0
36.0	3.4	3.2	3.7	3.7	3.7	3.7	3.6	3.3	3.0	3.8	3.8	3.8	3.7	3.7	3.5	3.2	36.0
38.0	3.3	3.0	3.7	3.6	3.7	3.6	3.4	3.1	2.8	3.7	3.7	3.7	3.6	3.7	3.2	3.0	38.0
40.0	3.2	2.9	3.2	3.6	3.6	3.5	3.3	2.9	2.6	3.4	3.6	3.7	3.4	3.5	3.1	2.8	40.0
42.0			2.7	3.4	3.5	3.3	3.2	2.7	2.4	2.9	3.1	3.3	3.3	3.2	2.9	2.6	42.0
44.0			2.2	2.9	3.1	3.2	3.2	2.5	2.3	2.4	2.7	2.8	3.1	3.0	2.7	2.4	44.0
46.0									2.1	2.0	2.2	2.4	2.6	2.7	2.6	2.3	46.0
48.0										1.6						2.2	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	27.1 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0	4.8	4.7	4.7	4.7	4.7												20.0
22.0	4.6	4.6	4.5	4.6	4.5	4.5	4.5		4.6	4.6	4.5	4.5	4.5				22.0
24.0	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.5	4.4	4.4	4.4	4.3	4.3	4.5	4.4	24.0
26.0	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.2	4.2	4.3	4.3	26.0
28.0	4.2	4.2	4.1	4.2	4.1	4.1	4.1	4.1	4.2	4.2	4.1	4.2	4.1	4.1	4.2	4.2	28.0
30.0	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.0	4.1	4.0	4.0	4.1	4.1	30.0
32.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	4.0	4.0	4.0	4.0	3.9	3.9	4.0	4.0	32.0
34.0	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.6	3.9	3.9	3.9	3.9	3.8	3.7	3.9	3.9	34.0
36.0	3.8	3.8	3.8	3.8	3.8	3.6	3.6	3.4	3.8	3.8	3.7	3.8	3.7	3.5	3.9	3.9	36.0
38.0	3.6	3.7	3.7	3.7	3.7	3.4	3.4	3.2	3.4	3.6	3.6	3.7	3.5	3.3	3.4	3.7	38.0
40.0	3.0	3.2	3.5	3.5	3.6	3.2	3.2	3.0	2.9	3.1	3.4	3.5	3.3	3.1	2.8	3.1	40.0
42.0	2.5	2.7	3.0	3.0	3.3	3.1	3.0	2.8	2.4	2.6	3.0	3.0	3.2	2.9	2.3	2.6	42.0
44.0	2.1	2.2	2.6	2.6	2.8	2.9	2.8	2.6	1.9	2.2	2.6	2.6	2.9	2.8	1.9	2.2	44.0
46.0	1.7	1.8	2.2	2.2	2.4	2.7	2.6	2.5	1.5	1.8	2.2	2.2	2.5	2.5	1.5	1.8	46.0
48.0	1.3	1.4	1.8	1.8	2.1	2.3	2.4	2.3	1.1	1.4	1.8	1.8	2.2	2.2	1.1	1.4	48.0
50.0		1.1	1.5	1.4	1.7	1.9	2.1	2.1		1.1	1.5	1.5	1.8	1.8		1.1	50.0
54.0								1.5					1.2	1.2			54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	30	30	30	30	30	30	30	30									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0																	22.0
24.0	4.4	4.4															24.0
26.0	4.2	4.2		4.3	4.2												26.0
28.0	4.1	4.1	4.1	4.2	4.1		4.0										28.0
30.0	4.0	4.0	4.0	4.1	4.0	3.6	4.0										30.0
32.0	4.0	3.9	3.9	4.0	4.0	3.6	4.0	2.6									32.0
34.0	3.9	3.9	3.7	3.9	3.9	3.6	3.9	2.6									34.0
36.0	3.8	3.8	3.5	3.9	3.8	3.6	3.8	2.6									36.0
38.0	3.6	3.6	3.3	3.4	3.7	3.4	3.3	2.6									38.0
40.0	3.4	3.4	3.2	2.9	3.2	3.0	2.9	2.5									40.0
42.0	3.0	3.1	3.0	2.4	2.8	2.6	2.4	2.1									42.0
44.0	2.5	2.7	2.6	1.9	2.3	2.2	2.0	1.7									44.0
46.0	2.1	2.3	2.2	1.5	1.9	1.9	1.7	1.3									46.0
48.0	1.8	1.9	1.9	1.2	1.6	1.5	1.3	1.0									48.0
50.0	1.4	1.6	1.5		1.2	1.2											50.0
54.0		1.0															54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	21.0 m	27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	4.5																16.0
18.0	4.3	4.4	4.4	4.4	4.4	4.3	4.4	4.4	4.4	4.4							18.0
20.0	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.2	4.2	20.0
22.0	3.9	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.1	22.0
24.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	24.0
26.0	3.7	3.8	3.8	3.8	3.8	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	26.0
28.0	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	28.0
30.0		3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.7	3.7	3.7	3.7	30.0
32.0							3.7	3.7	3.7	3.7	3.5	3.3	3.7	3.7	3.7	3.7	32.0
34.0							3.7	3.7	3.7	3.7	3.4	3.2	3.7	3.7	3.7	3.6	34.0
36.0													3.7	3.7	3.7	3.6	36.0
38.0													3.7	3.7	3.7	3.5	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0	4.2	4.2	4.3	4.3	4.3	4.2	4.2										20.0
22.0	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.1	4.1	4.1	4.1		22.0
24.0	3.9	3.9	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.0	4.0	4.0	4.0	4.0	24.0
26.0	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	3.9	3.9	3.9	3.9	3.9	26.0
28.0	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.8	3.8	3.8	3.8	28.0
30.0	3.7	3.7	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.7	3.7	30.0
32.0	3.7	3.5	3.7	3.7	3.7	3.7	3.7	3.7	3.5	3.7	3.7	3.7	3.7	3.7	3.7	3.6	32.0
34.0	3.6	3.3	3.7	3.7	3.6	3.6	3.6	3.5	3.3	3.7	3.7	3.7	3.7	3.7	3.6	3.4	34.0
36.0	3.4	3.2	3.7	3.6	3.6	3.6	3.6	3.3	3.0	3.6	3.6	3.6	3.6	3.6	3.4	3.2	36.0
38.0	3.3	3.1	3.7	3.6	3.6	3.6	3.4	3.1	2.8	3.6	3.6	3.6	3.5	3.6	3.2	3.0	38.0
40.0			3.3	3.6	3.6	3.5	3.3	2.9	2.6	3.6	3.6	3.6	3.5	3.5	3.1	2.8	40.0
42.0									2.4	3.0	3.2	3.4	3.4	3.2	2.9	2.6	42.0
44.0										2.5	2.7	2.9	3.1	3.0	2.8	2.5	44.0
46.0																2.3	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	4.2	4.2	4.1	4.2													22.0
	24.0	4.1	4.1	4.0	4.1	4.0	4.0	4.0		4.1	4.1	4.0	4.0					24.0
m	26.0	4.0	4.0	3.9	4.0	3.9	3.9	3.9	3.9	4.0	4.0	3.9	3.9	3.9	3.9	4.0	4.0	26.0
	28.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.8	3.8	3.9	3.9	28.0
	30.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	30.0
	32.0	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.7	3.7	3.7	3.7	3.8	3.8	32.0
	34.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.5	3.7	3.7	3.7	3.7	3.7	3.6	3.7	3.7	34.0
	36.0	3.7	3.7	3.6	3.7	3.6	3.6	3.6	3.3	3.7	3.7	3.6	3.6	3.6	3.4	3.7	3.7	36.0
	38.0	3.6	3.6	3.6	3.6	3.6	3.4	3.4	3.1	3.6	3.6	3.5	3.6	3.5	3.3	3.6	3.6	38.0
	40.0	3.3	3.4	3.5	3.6	3.6	3.2	3.2	3.0	3.1	3.3	3.4	3.6	3.3	3.1	3.1	3.4	40.0
	42.0	2.7	2.8	3.2	3.2	3.4	3.1	3.0	2.8	2.6	2.8	3.2	3.2	3.2	2.9	2.6	2.9	42.0
	44.0	2.2	2.4	2.7	2.7	3.0	2.9	2.8	2.6	2.1	2.3	2.8	2.8	3.0	2.8	2.1	2.4	44.0
	46.0	1.8	1.9	2.3	2.3	2.5	2.7	2.6	2.5	1.7	1.9	2.3	2.3	2.7	2.6	1.7	2.0	46.0
	48.0	1.4	1.5	1.9	1.9	2.1	2.3	2.4	2.3	1.3	1.5	2.0	1.9	2.3	2.3	1.3	1.6	48.0
	50.0								2.1		1.1	1.6	1.6	1.9	1.9		1.2	50.0
	54.0														1.3			54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
%	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	40	40	40	40	40	40	40	40									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
	24.0																	24.0
m	26.0	3.9	3.9															26.0
	28.0	3.8	3.8		3.9	3.8												28.0
	30.0	3.8	3.8	3.8	3.8	3.8		3.8										30.0
	32.0	3.7	3.7	3.7	3.8	3.7	3.7	3.7										32.0
	34.0	3.7	3.7	3.6	3.7	3.7	3.7	3.7	3.5									34.0
	36.0	3.6	3.6	3.5	3.7	3.6	3.5	3.6	3.5									36.0
	38.0	3.5	3.5	3.3	3.6	3.6	3.4	3.6	3.4									38.0
	40.0	3.4	3.4	3.1	3.1	3.5	3.2	3.2	2.9									40.0
	42.0	3.2	3.2	3.0	2.6	3.0	2.9	2.7	2.4									42.0
	44.0	2.7	2.9	2.8	2.2	2.5	2.5	2.3	2.0									44.0
	46.0	2.3	2.4	2.4	1.7	2.1	2.1	1.9	1.6									46.0
	48.0	1.9	2.1	2.0	1.3	1.7	1.7	1.5	1.3									48.0
	50.0	1.5	1.7	1.7		1.4	1.4	1.1										50.0
	54.0		1.1	1.0														54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
%	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

HAVHY	21.0 m	10.7 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0	10.0																3.0
	3.5	9.9																3.5
	4.0	9.9	9.7	9.8	9.8	9.7	9.2											4.0
	4.5	9.8	9.6	9.7	9.7	9.7	9.2	9.4	9.5	9.4	8.8							4.5
	5.0	9.7	9.5	9.6	9.6	9.6	9.1	9.3	9.4	9.3	8.8	8.2	8.0		9.1			5.0
	6.0	9.5	9.3	9.5	9.4	9.4	9.0	9.2	9.3	9.2	8.7	8.2	8.0	9.0	9.0	8.4	8.0	6.0
	7.0	9.3	9.2	9.3	9.2	9.2	8.8	9.0	9.1	9.0	8.5	8.1	7.9	8.8	8.9	8.3	8.0	7.0
	8.0	9.1	9.0	9.1	9.1	9.0	8.6	8.9	9.0	8.9	8.4	8.0	7.8	8.7	8.7	8.2	7.9	8.0
	9.0	8.8	8.8	8.9	8.9	8.8	8.5	8.7	8.8	8.7	8.3	7.9	7.7	8.5	8.6	8.1	7.8	9.0
	10.0	8.5	8.6	8.6	8.6	8.6	8.3	8.6	8.6	8.6	8.1	7.8	7.6	8.4	8.4	8.0	7.7	10.0
	12.0	7.7	8.1	8.1	8.1	8.1	7.9	8.2	8.2	8.2	7.8	7.5	7.4	8.1	8.2	7.7	7.5	12.0
	14.0	7.0	7.6	7.5	7.5	7.5	7.4	7.8	7.8	7.8	7.5	7.3	7.1	7.8	7.8	7.5	7.2	14.0
	16.0	6.3	6.9	6.9	6.9	6.9	6.8	7.4	7.4	7.3	7.2	7.0	6.8	7.5	7.5	7.2	7.0	16.0
	18.0	5.7	6.4	6.3	6.3	6.3	6.2	6.8	6.8	6.8	6.7	6.5	6.4	7.2	7.2	7.0	6.8	18.0
	20.0	5.2	5.8	5.8	5.8	5.8	5.7	6.3	6.3	6.3	6.2	6.1	6.0	6.5	6.7	6.5	6.5	20.0
	22.0	4.8	5.3	5.3	5.3	5.3	5.3	5.5	5.8	5.8	5.7	5.6	5.4	5.2	6.0	6.1	6.1	22.0
	24.0	4.5	5.0	4.9	4.9	4.9	4.9	4.5	5.1	5.3	5.3	5.2	4.9	4.2	5.0	5.6	5.7	24.0
	26.0	4.2	4.2	4.6	4.6	4.6	4.6	3.6	4.2	4.7	5.0	4.7	4.5	3.4	4.1	4.7	4.9	26.0
	28.0	4.0	3.5	3.9	4.2	4.3	4.3	2.9	3.5	4.0	4.4	4.4	4.1	2.7	3.4	4.0	4.2	28.0
	30.0	3.8	2.9	3.3	3.6	3.8	4.0	2.3	2.9	3.4	3.8	3.9	3.8	2.1	2.8	3.4	3.6	30.0
	32.0		2.4	2.8	3.1	3.3	3.5	1.8	2.4	2.9	3.2	3.4	3.4	1.6	2.3	2.9	3.1	32.0
	34.0		2.0	2.4	2.7	2.9	3.1	1.4	2.0	2.4	2.8	3.0	3.0	1.2	1.9	2.4	2.6	34.0
	36.0							1.1	1.6	2.1	2.4	2.6	2.6		1.5	2.0	2.2	36.0
	38.0								1.3	1.7	2.1	2.3	2.2		1.2	1.7	1.9	38.0
	40.0															1.4	1.6	40.0
	42.0															1.2	1.3	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0	7.7	7.4	8.6	8.2													6.0
	7.0	7.6	7.4	8.5	8.1	7.8	7.6	7.4	7.0		7.7	7.7						7.0
	8.0	7.5	7.3	8.4	8.0	7.7	7.5	7.3	6.9	6.4	7.6	7.6	7.4	7.1	7.0	6.5		8.0
	9.0	7.5	7.2	8.3	7.9	7.7	7.4	7.2	6.9	6.4	7.6	7.5	7.4	7.0	6.9	6.5	5.9	9.0
	10.0	7.4	7.2	8.2	7.8	7.6	7.3	7.1	6.8	6.4	7.5	7.5	7.3	7.0	6.9	6.5	5.9	10.0
	12.0	7.2	7.0	7.9	7.6	7.4	7.2	7.0	6.7	6.3	7.3	7.3	7.1	6.8	6.7	6.4	5.9	12.0
	14.0	7.0	6.8	7.7	7.4	7.2	7.0	6.8	6.6	6.2	7.1	7.1	7.0	6.7	6.6	6.3	5.9	14.0
	16.0	6.8	6.6	7.4	7.2	7.0	6.8	6.7	6.4	6.1	7.0	6.9	6.8	6.5	6.5	6.2	5.8	16.0
	18.0	6.6	6.3	7.2	6.9	6.8	6.7	6.5	6.2	5.9	6.8	6.8	6.7	6.4	6.4	6.0	5.7	18.0
	20.0	6.4	6.1	6.3	6.7	6.6	6.5	6.4	5.9	5.6	6.2	6.5	6.5	6.3	6.2	5.8	5.6	20.0
	22.0	6.0	5.7	5.1	6.1	6.3	6.3	6.2	5.7	5.3	5.0	5.4	5.6	5.9	6.0	5.6	5.3	22.0
	24.0	5.6	5.3	4.2	5.1	5.3	5.5	5.6	5.4	5.0	4.1	4.4	4.6	5.0	5.0	5.4	5.0	24.0
	26.0	5.1	4.9	3.3	4.2	4.4	4.6	4.7	4.9	4.6	3.3	3.7	3.9	4.2	4.2	4.6	4.4	26.0
	28.0	4.4	4.4	2.6	3.5	3.7	3.9	4.0	4.2	4.2	2.7	3.0	3.2	3.5	3.6	3.9	3.8	28.0
	30.0	3.7	3.7	2.1	2.9	3.1	3.3	3.4	3.6	3.5	2.2	2.4	2.6	2.9	3.0	3.3	3.2	30.0
	32.0	3.2	3.2	1.5	2.4	2.6	2.7	2.9	3.0	3.0	1.6	1.9	2.1	2.4	2.5	2.7	2.7	32.0
	34.0	2.8	2.8	1.1	1.9	2.1	2.3	2.4	2.6	2.6	1.2	1.5	1.7	2.0	2.0	2.3	2.3	34.0
	36.0	2.4	2.4		1.5	1.7	1.9	2.0	2.2	2.2		1.1	1.3	1.6	1.6	1.9	1.9	36.0
	38.0	2.0	2.0		1.2	1.4	1.5	1.7	1.8	1.8				1.2	1.3	1.5	1.5	38.0
	40.0	1.7	1.7			1.1	1.2	1.4	1.5	1.5						1.2	1.2	40.0
	42.0	1.5	1.5					1.1	1.3	1.2								42.0
	44.0								1.0									44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	10.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	7.3																8.0
9.0	7.2	7.1	6.7	7.0	6.7	6.3	6.0										9.0
10.0	7.2	7.1	6.7	6.9	6.6	6.3	6.0	5.2	6.6	6.4	5.9	6.2	5.6				10.0
12.0	7.0	6.9	6.6	6.8	6.5	6.2	6.0	5.2	6.5	6.4	5.9	6.1	5.6	4.8	5.9	5.5	12.0
14.0	6.9	6.8	6.4	6.7	6.4	6.1	5.9	5.2	6.4	6.2	5.8	6.0	5.6	4.8	5.9	5.5	14.0
16.0	6.7	6.6	6.3	6.5	6.3	6.0	5.8	5.2	6.3	6.1	5.7	5.9	5.6	4.8	5.8	5.5	16.0
18.0	6.6	6.5	6.2	6.4	6.2	5.9	5.7	5.2	6.1	6.0	5.7	5.8	5.5	4.8	5.7	5.4	18.0
20.0	5.4	5.5	6.1	6.1	6.1	5.8	5.7	5.2	4.8	5.1	5.6	5.8	5.4	4.8	4.4	4.8	20.0
22.0	4.3	4.4	4.9	4.9	5.3	5.6	5.5	5.1	3.7	4.0	4.6	4.6	5.1	4.8	3.3	3.8	22.0
24.0	3.4	3.5	4.0	4.0	4.4	4.7	4.9	4.6	2.8	3.1	3.7	3.8	4.2	3.9	2.5	2.9	24.0
26.0	2.6	2.8	3.3	3.3	3.6	3.9	4.1	3.8	2.1	2.4	3.0	3.0	3.5	3.2	1.8	2.2	26.0
28.0	2.0	2.2	2.6	2.6	3.0	3.3	3.4	3.2	1.5	1.8	2.4	2.4	2.8	2.6	1.2	1.6	28.0
30.0	1.5	1.6	2.1	2.1	2.4	2.7	2.9	2.7	1.0	1.3	1.9	1.9	2.3	2.1		1.1	30.0
32.0	1.0	1.2	1.6	1.6	2.0	2.2	2.4	2.2			1.4	1.4	1.9	1.7			32.0
34.0			1.2	1.2	1.6	1.8	2.0	1.8			1.1	1.1	1.5	1.3			34.0
36.0					1.2	1.5	1.6	1.5					1.1				36.0
38.0						1.1	1.3	1.2									38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	0	0	0	0	0	0	0	0									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	5.1	5.1		4.9	4.5												12.0
14.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0										14.0
16.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									16.0
18.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									18.0
20.0	5.1	5.1	4.2	4.1	4.5	3.6	3.9	3.0									20.0
22.0	4.2	4.5	4.0	3.1	3.6	3.1	2.9	2.2									22.0
24.0	3.3	3.6	3.2	2.3	2.8	2.4	2.1	1.5									24.0
26.0	2.6	2.9	2.5	1.6	2.1	1.7	1.5										26.0
28.0	2.0	2.3	1.9	1.0	1.5	1.2											28.0
30.0	1.5	1.8	1.4		1.0												30.0
32.0	1.1	1.3															32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	21.0 m	10.7 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	9.0																7.0
8.0	8.8	8.7	8.8	8.8	8.7	8.4											8.0
9.0	8.2	8.5	8.5	8.5	8.5	8.2	8.4	8.5	8.4	8.1							9.0
10.0	7.7	8.1	8.1	8.1	8.1	8.0	8.2	8.3	8.2	7.9	7.6	7.4	8.1	8.2	7.8	7.5	10.0
12.0	6.9	7.3	7.3	7.3	7.3	7.2	7.6	7.6	7.6	7.4	7.3	7.2	7.8	7.8	7.5	7.3	12.0
14.0	6.3	6.7	6.7	6.6	6.6	6.6	7.0	6.9	6.9	6.8	6.8	6.8	7.2	7.2	7.0	7.0	14.0
16.0	5.7	6.1	6.1	6.1	6.1	6.0	6.4	6.4	6.4	6.3	6.2	6.3	6.7	6.7	6.5	6.5	16.0
18.0	5.2	5.6	5.6	5.6	5.6	5.6	6.0	5.9	5.9	5.9	5.8	5.9	6.3	6.2	6.1	6.1	18.0
20.0	4.9	5.2	5.2	5.2	5.2	5.2	5.6	5.5	5.5	5.5	5.4	5.5	5.8	5.8	5.7	5.7	20.0
22.0	4.5	4.9	4.9	4.9	4.9	4.8	5.2	5.2	5.2	5.1	5.1	5.1	5.5	5.4	5.4	5.3	22.0
24.0	4.2	4.6	4.6	4.6	4.6	4.6	4.9	4.9	4.9	4.8	4.8	4.7	4.8	5.1	5.1	5.0	24.0
26.0	4.0	4.4	4.3	4.3	4.3	4.3	4.1	4.6	4.6	4.6	4.5	4.4	3.9	4.6	4.8	4.8	26.0
28.0	3.9	3.8	4.1	4.1	4.1	4.1	3.3	3.9	4.3	4.3	4.2	4.0	3.2	3.8	4.4	4.5	28.0
30.0	3.8	3.2	3.6	3.8	3.9	3.9	2.7	3.3	3.7	4.0	3.9	3.7	2.5	3.2	3.7	3.9	30.0
32.0		2.6	3.0	3.2	3.5	3.6	2.1	2.7	3.1	3.5	3.6	3.4	2.0	2.6	3.2	3.3	32.0
34.0		2.1	2.5	2.8	3.0	3.2	1.7	2.2	2.6	3.0	3.1	3.1	1.5	2.1	2.7	2.8	34.0
36.0							1.2	1.8	2.2	2.5	2.7	2.7	1.0	1.7	2.2	2.4	36.0
38.0								1.4	1.8	2.2	2.3	2.3		1.3	1.9	2.0	38.0
40.0														1.0	1.5	1.7	40.0
42.0															1.2	1.4	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	7.1	6.9	7.7	7.4	7.2	7.0	6.9	6.6		7.1	7.1	7.0	6.7				12.0
14.0	6.9	6.7	7.4	7.2	7.0	6.8	6.7	6.5	6.1	7.0	6.9	6.8	6.6	6.5	6.2	5.8	14.0
16.0	6.4	6.4	6.9	6.7	6.7	6.6	6.5	6.3	6.0	6.8	6.8	6.6	6.4	6.4	6.1	5.7	16.0
18.0	6.0	6.0	6.5	6.3	6.3	6.2	6.2	6.1	5.9	6.5	6.5	6.4	6.2	6.2	6.0	5.7	18.0
20.0	5.6	5.6	6.1	5.9	5.9	5.9	5.8	5.7	5.7	6.1	6.1	6.0	6.0	6.0	5.8	5.5	20.0
22.0	5.3	5.3	5.7	5.6	5.6	5.5	5.5	5.5	5.4	5.8	5.8	5.7	5.7	5.7	5.6	5.4	22.0
24.0	5.0	5.0	4.8	5.3	5.3	5.2	5.2	5.2	5.0	4.8	5.1	5.3	5.4	5.4	5.3	5.1	24.0
26.0	4.7	4.6	3.9	4.7	4.9	5.0	4.9	4.8	4.6	3.9	4.2	4.4	4.7	4.7	5.0	4.7	26.0
28.0	4.5	4.3	3.2	3.9	4.1	4.3	4.4	4.5	4.2	3.2	3.5	3.7	4.0	4.0	4.3	4.2	28.0
30.0	4.0	4.0	2.5	3.3	3.4	3.6	3.7	3.9	3.8	2.6	2.9	3.1	3.3	3.4	3.6	3.6	30.0
32.0	3.5	3.5	2.0	2.7	2.9	3.0	3.2	3.3	3.3	2.1	2.3	2.5	2.8	2.8	3.1	3.1	32.0
34.0	3.0	3.0	1.5	2.2	2.4	2.6	2.7	2.8	2.8	1.6	1.8	2.0	2.3	2.3	2.6	2.6	34.0
36.0	2.5	2.6	1.0	1.8	2.0	2.1	2.3	2.4	2.4	1.2	1.4	1.6	1.8	1.9	2.2	2.1	36.0
38.0	2.2	2.2		1.4	1.6	1.8	1.9	2.0	2.0		1.0	1.2	1.5	1.5	1.8	1.8	38.0
40.0	1.8	1.8		1.1	1.3	1.4	1.5	1.7	1.7				1.1	1.2	1.4	1.4	40.0
42.0	1.5	1.5				1.1	1.2	1.4	1.4						1.1	1.1	42.0
44.0								1.1	1.1								44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	10.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	6.7	6.6	6.4	6.6	6.3	6.1	5.9		6.3								14.0
16.0	6.6	6.5	6.2	6.4	6.2	6.0	5.8	5.2	6.2	6.1	5.7	5.9	5.5		5.7	5.5	16.0
18.0	6.4	6.3	6.1	6.3	6.1	5.9	5.7	5.2	6.1	6.0	5.6	5.8	5.5	4.8	5.6	5.4	18.0
20.0	6.2	6.2	5.9	6.1	5.9	5.8	5.6	5.2	5.8	5.8	5.5	5.7	5.4	4.8	5.4	5.3	20.0
22.0	5.1	5.2	5.7	5.7	5.8	5.6	5.5	5.1	4.6	4.9	5.4	5.4	5.3	4.8	4.2	4.6	22.0
24.0	4.1	4.2	4.7	4.7	5.0	5.3	5.4	5.0	3.6	3.9	4.4	4.4	4.8	4.6	3.3	3.7	24.0
26.0	3.3	3.4	3.9	3.9	4.2	4.4	4.6	4.3	2.8	3.1	3.6	3.6	4.0	3.8	2.5	2.9	26.0
28.0	2.6	2.7	3.2	3.2	3.5	3.7	3.9	3.7	2.2	2.4	3.0	3.0	3.4	3.1	1.9	2.2	28.0
30.0	2.0	2.2	2.6	2.6	2.9	3.1	3.3	3.1	1.6	1.9	2.4	2.4	2.8	2.6	1.3	1.7	30.0
32.0	1.5	1.7	2.1	2.1	2.4	2.6	2.8	2.6	1.1	1.4	1.9	1.9	2.3	2.1		1.2	32.0
34.0	1.1	1.2	1.6	1.6	1.9	2.2	2.4	2.2			1.5	1.5	1.9	1.7			34.0
36.0			1.3	1.2	1.5	1.8	1.9	1.8			1.1	1.1	1.5	1.3			36.0
38.0					1.2	1.4	1.6	1.4					1.2				38.0
40.0						1.1	1.2	1.1									40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	10	10	10	10	10	10	10	10									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	5.1	5.1		4.9	4.5												18.0
20.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0										20.0
22.0	5.0	5.0	4.2	4.0	4.4	3.6	3.8	3.0									22.0
24.0	4.0	4.3	3.8	3.1	3.5	3.1	2.9	2.3									24.0
26.0	3.3	3.5	3.1	2.3	2.8	2.4	2.2	1.6									26.0
28.0	2.6	2.8	2.5	1.7	2.1	1.8	1.6	1.1									28.0
30.0	2.1	2.3	1.9	1.2	1.6	1.3	1.1										30.0
32.0	1.6	1.8	1.5		1.1												32.0
34.0	1.2	1.4	1.1														34.0
36.0		1.0															36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	21.0 m	10.7 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	6.2	6.4	6.4	6.4	6.4	6.3	6.5	6.5	6.5								12.0
	14.0	5.7	5.9	5.9	5.9	5.9	5.8	6.1	6.0	6.0	6.0	5.9	5.9	6.2	6.2	6.1	6.0	14.0
	16.0	5.3	5.5	5.5	5.5	5.5	5.4	5.7	5.6	5.6	5.6	5.5	5.5	5.8	5.8	5.7	5.7	16.0
	18.0	4.9	5.1	5.1	5.1	5.1	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.5	5.4	5.4	5.3	18.0
	20.0	4.6	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0	4.9	4.9	4.9	5.2	5.2	5.1	5.1	20.0
	22.0	4.3	4.6	4.5	4.5	4.5	4.5	4.7	4.7	4.7	4.7	4.6	4.7	4.9	4.9	4.8	4.8	22.0
	24.0	4.1	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.5	4.5	4.4	4.4	4.7	4.7	4.6	4.6	24.0
	26.0	3.9	4.1	4.1	4.1	4.1	4.1	4.3	4.3	4.3	4.3	4.2	4.2	4.5	4.5	4.4	4.4	26.0
	28.0	3.8	3.9	3.9	3.9	3.9	3.9	3.8	4.1	4.1	4.1	4.1	3.9	3.6	4.2	4.2	4.2	28.0
	30.0	3.7	3.5	3.8	3.8	3.8	3.8	3.1	3.6	4.0	3.9	3.8	3.6	2.9	3.5	4.0	4.1	30.0
	32.0		2.8	3.2	3.4	3.6	3.7	2.4	3.0	3.3	3.7	3.6	3.4	2.3	2.9	3.4	3.6	32.0
	34.0		2.3	2.6	2.8	3.1	3.2	1.9	2.4	2.8	3.1	3.3	3.2	1.8	2.4	2.9	3.1	34.0
	36.0							1.4	1.9	2.3	2.7	2.8	2.8	1.3	1.9	2.4	2.6	36.0
	38.0								1.5	1.9			2.4		1.5	2.0	2.2	38.0
	40.0														1.1	1.6	1.8	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	6.0		6.3	6.2													14.0
	16.0	5.6	5.6	5.9	5.8	5.8	5.7	5.7	5.7		5.9	5.9	5.8	5.8	5.8			16.0
	18.0	5.3	5.3	5.6	5.5	5.5	5.4	5.4	5.4	5.3	5.6	5.6	5.5	5.5	5.5	5.4	5.4	18.0
	20.0	5.0	5.0	5.3	5.2	5.2	5.2	5.1	5.1	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.1	20.0
	22.0	4.8	4.8	5.0	5.0	4.9	4.9	4.9	4.9	4.9	5.1	5.1	5.0	5.0	5.0	4.9	4.9	22.0
	24.0	4.6	4.6	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.9	4.8	4.8	4.8	4.8	4.7	4.7	24.0
	26.0	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.5	4.7	4.6	4.6	4.6	4.6	4.6	26.0
	28.0	4.2	4.1	3.7	4.3	4.4	4.3	4.3	4.3	4.1	3.8	4.0	4.2	4.4	4.4	4.4	4.3	28.0
	30.0	4.1	3.9	3.0	3.6	3.8	4.0	4.1	4.1	3.8	3.1	3.3	3.5	3.7	3.8	4.0	4.0	30.0
	32.0	3.7	3.6	2.3	3.0	3.2	3.3	3.5	3.6	3.5	2.5	2.7	2.9	3.1	3.1	3.4	3.4	32.0
	34.0	3.2	3.2	1.8	2.5	2.7	2.8	2.9	3.1	3.1	1.9	2.2	2.3	2.6	2.6	2.9	2.9	34.0
	36.0	2.7	2.7	1.3	2.0	2.2	2.4	2.5	2.6	2.6	1.5	1.7	1.9	2.1	2.2	2.4	2.4	36.0
	38.0	2.3	2.3		1.6	1.8	1.9	2.1	2.2	2.2	1.1	1.3	1.5	1.7	1.8	2.0	2.0	38.0
	40.0	1.9	2.0		1.3	1.4	1.6	1.7	1.9	1.8			1.1	1.3	1.4	1.6	1.6	40.0
	42.0		1.6			1.1	1.2	1.4	1.5	1.5				1.0	1.1	1.3	1.3	42.0
	44.0							1.1	1.2	1.2						1.0	1.0	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	10.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	5.6	5.6	5.5	5.6	5.5	5.4	5.4		5.7								18.0
20.0	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.4	5.4	5.3	5.3	5.2		5.4		20.0
22.0	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	5.2	5.2	5.1	5.1	5.0	4.8	5.1	5.1	22.0
24.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.4	4.6	4.9	4.9	4.8	4.8	4.1	4.4	24.0
26.0	4.0	4.1	4.4	4.5	4.7	4.6	4.6	4.6	3.5	3.8	4.2	4.2	4.6	4.4	3.2	3.6	26.0
28.0	3.2	3.3	3.7	3.7	4.0	4.2	4.4	4.1	2.8	3.0	3.5	3.5	3.9	3.7	2.5	2.9	28.0
30.0	2.6	2.7	3.1	3.1	3.3	3.6	3.7	3.5	2.2	2.4	2.9	2.9	3.2	3.0	1.9	2.2	30.0
32.0	2.0	2.1	2.5	2.5	2.8	3.0	3.2	3.0	1.6	1.9	2.3	2.3	2.7	2.5	1.4	1.7	32.0
34.0	1.5	1.6	2.0	2.0	2.3	2.5	2.7	2.5	1.2	1.4	1.9	1.9	2.2	2.1		1.3	34.0
36.0	1.1	1.2	1.6	1.6	1.8	2.1	2.2	2.1			1.5	1.5	1.8	1.7			36.0
38.0			1.2	1.2	1.4	1.7	1.8	1.7			1.1	1.1	1.5	1.3			38.0
40.0					1.1	1.3	1.4	1.4					1.1				40.0
42.0							1.1	1.1									42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	20	20	20	20	20	20	20	20									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0	5.0	5.0		4.9													22.0
24.0	4.7	4.8	4.2	3.9	4.3		3.7										24.0
26.0	3.9	4.1	3.7	3.1	3.4	3.1	2.9	2.4									26.0
28.0	3.2	3.4	3.0	2.4	2.7	2.4	2.3	1.7									28.0
30.0	2.6	2.8	2.4	1.8	2.2	1.8	1.7	1.2									30.0
32.0	2.1	2.3	1.9	1.2	1.6	1.3	1.2										32.0
34.0	1.6	1.8	1.5		1.2												34.0
36.0	1.2	1.4	1.1														36.0
38.0		1.1															38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	21.0 m	10.7 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	5.2																14.0
	16.0	4.9	5.0	5.0	5.0	5.0	4.9	5.1	5.1	5.1	5.0	5.0	5.0	5.1	5.1			16.0
	18.0	4.6	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.7	4.7	4.9	4.9	4.8	4.8	18.0
	20.0	4.3	4.5	4.5	4.5	4.5	4.4	4.6	4.6	4.6	4.5	4.5	4.5	4.7	4.7	4.6	4.6	20.0
	22.0	4.1	4.3	4.2	4.2	4.2	4.2	4.4	4.4	4.4	4.3	4.3	4.3	4.5	4.5	4.4	4.4	22.0
	24.0	3.9	4.1	4.1	4.1	4.1	4.0	4.2	4.2	4.2	4.2	4.1	4.2	4.3	4.3	4.3	4.2	24.0
	26.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.1	4.1	4.1	26.0
	28.0	3.7	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.8	4.0	4.0	4.0	4.0	28.0
	30.0		3.7	3.7	3.7	3.7	3.7	3.4	3.8	3.8	3.8	3.7	3.6	3.3	3.9	3.9	3.9	30.0
	32.0		3.0	3.3	3.5	3.7	3.7	2.7	3.2	3.6	3.7	3.6	3.3	2.6	3.2	3.7	3.8	32.0
	34.0							2.1	2.6	3.0	3.3	3.4	3.1	2.1	2.6	3.1	3.3	34.0
	36.0							1.6	2.0	2.4	2.8	2.9	2.9	1.5	2.1	2.6	2.7	36.0
	38.0													1.1	1.7	2.1	2.3	38.0
	40.0														1.2	1.7	1.9	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8		4.9							18.0
	20.0	4.6	4.6	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.6		20.0
	22.0	4.4	4.4	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.6	4.5	4.5	4.5	4.5	4.4	4.4	22.0
	24.0	4.2	4.2	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.3	4.3	24.0
	26.0	4.1	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.3	4.3	4.2	4.2	4.2	4.2	4.2	26.0
	28.0	3.9	3.9	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	28.0
	30.0	3.8	3.8	3.4	3.9	3.9	3.9	3.9	3.9	3.8	3.5	3.7	3.8	4.0	4.0	4.0	3.9	30.0
	32.0	3.7	3.5	2.7	3.3	3.5	3.6	3.7	3.7	3.5	2.8	3.0	3.2	3.4	3.5	3.7	3.6	32.0
	34.0	3.4	3.3	2.1	2.8	2.9	3.1	3.2	3.3	3.3	2.3	2.5	2.6	2.9	2.9	3.1	3.1	34.0
	36.0	2.9	2.9	1.6	2.3	2.4	2.6	2.7	2.8	2.8	1.8	2.0	2.1	2.4	2.4	2.6	2.6	36.0
	38.0	2.4	2.5	1.2	1.8	2.0	2.1	2.2	2.4	2.4	1.3	1.5	1.7	1.9	2.0	2.2	2.2	38.0
	40.0	2.0	2.0		1.4	1.6	1.7	1.8	2.0	2.0		1.1	1.3	1.5	1.6	1.8	1.8	40.0
	42.0				1.0	1.2	1.4	1.5	1.6	1.6				1.2	1.2	1.4	1.5	42.0
	44.0						1.0	1.1	1.3	1.3						1.1	1.1	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	10.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0	4.8	4.7	4.7	4.7	4.7												20.0
22.0	4.6	4.6	4.5	4.6	4.5	4.5	4.5		4.6	4.6	4.5	4.5	4.5				22.0
24.0	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.5	4.4	4.4	4.4	4.3	4.3	4.5	4.4	24.0
26.0	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.2	4.2	4.0	4.2	26.0
28.0	3.8	3.9	4.1	4.2	4.1	4.1	4.1	4.1	3.4	3.6	4.0	4.0	4.1	4.1	3.2	3.5	28.0
30.0	3.1	3.2	3.5	3.5	3.8	4.0	4.0	3.9	2.7	2.9	3.4	3.4	3.7	3.5	2.5	2.8	30.0
32.0	2.5	2.6	2.9	2.9	3.2	3.4	3.5	3.4	2.1	2.3	2.8	2.8	3.1	2.9	1.9	2.2	32.0
34.0	1.9	2.0	2.4	2.4	2.6	2.8	3.0	2.9	1.6	1.8	2.3	2.3	2.6	2.4	1.4	1.7	34.0
36.0	1.4	1.5	1.9	1.9	2.1	2.3	2.5	2.4	1.2	1.4	1.8	1.8	2.2	2.0		1.3	36.0
38.0		1.1	1.4	1.4	1.7	1.9	2.0	2.0			1.4	1.4	1.8	1.6			38.0
40.0			1.0	1.0	1.3	1.5	1.6	1.6			1.1	1.0	1.4	1.3			40.0
42.0						1.2	1.3	1.3					1.0				42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5										m
°	30	30	30	30	30	30	30										°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0																	22.0
24.0	4.4	4.4															24.0
26.0	4.2	4.2		3.8	4.1												26.0
28.0	3.7	3.9	3.6	3.0	3.3		2.9										28.0
30.0	3.1	3.3	3.0	2.3	2.7	2.4	2.3										30.0
32.0	2.5	2.7	2.4	1.8	2.1	1.9	1.7										32.0
34.0	2.0	2.2	1.9	1.3	1.7	1.4	1.2										34.0
36.0	1.6	1.8	1.5		1.2												36.0
38.0	1.2	1.4	1.1														38.0
40.0		1.0															40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90										1
2	45	90	100	90	90	100	90										2
3	90	90	100	90	90	100	90										3
4	90	90	100	90	90	100	90										4
5	90	90	100	45	90	100	90										5
LK-Code	49	50	51	52	53	54	55										LK-Code
	2	2	2	2	2	2	2										

HAVHY	21.0 m	10.7 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	4.5																16.0
	18.0	4.3	4.4	4.4	4.4	4.4	4.3	4.4	4.4	4.4	4.4							18.0
	20.0	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.2	4.2	20.0
	22.0	3.9	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.1	22.0
	24.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	24.0
	26.0	3.7	3.8	3.8	3.8	3.8	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	26.0
	28.0	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	28.0
	30.0		3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.7	3.7	3.7	3.7	30.0
	32.0							2.9	3.4	3.7	3.7	3.5	3.3	2.9	3.5	3.7	3.7	32.0
	34.0							2.3	2.7	3.1	3.4	3.4	3.2	2.3	2.8	3.3	3.4	34.0
	36.0													1.7	2.3	2.7	2.9	36.0
	38.0													1.2	1.7	2.2	2.4	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	4.2	4.2	4.3	4.3	4.3	4.2	4.2										20.0
	22.0	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.1	4.1	4.1	4.1		22.0
	24.0	3.9	3.9	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.0	4.0	4.0	4.0	4.0	24.0
	26.0	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	3.9	3.9	3.9	3.9	3.9	26.0
	28.0	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.8	3.8	3.8	3.8	28.0
	30.0	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.7	3.7	30.0
	32.0	3.7	3.5	3.0	3.6	3.7	3.7	3.7	3.7	3.5	3.2	3.4	3.5	3.7	3.7	3.7	3.6	32.0
	34.0	3.5	3.3	2.4	3.0	3.1	3.3	3.4	3.5	3.3	2.6	2.7	2.9	3.1	3.1	3.4	3.4	34.0
	36.0	3.0	3.0	1.8	2.4	2.6	2.7	2.8	3.0	3.0	2.0	2.2	2.3	2.6	2.6	2.8	2.8	36.0
	38.0	2.5	2.5	1.3	2.0	2.1	2.3	2.4	2.5	2.5	1.5	1.7	1.9	2.1	2.1	2.4	2.4	38.0
	40.0				1.5	1.7	1.8	1.9	2.1	2.1	1.1	1.3	1.4	1.7	1.7	1.9	2.0	40.0
	42.0									1.7			1.0	1.3	1.3	1.6	1.6	42.0
	44.0															1.2	1.2	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	10.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0	4.2	4.2	4.1	4.2													22.0
24.0	4.1	4.1	4.0	4.1	4.0	4.0	4.0		4.1	4.1	4.0	4.0					24.0
26.0	4.0	4.0	3.9	4.0	3.9	3.9	3.9	3.9	4.0	4.0	3.9	3.9	3.9	3.9	4.0	4.0	26.0
28.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.9	28.0
30.0	3.6	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.2	3.4	3.8	3.8	3.8	3.8	3.0	3.3	30.0
32.0	2.9	3.0	3.3	3.3	3.5	3.7	3.7	3.7	2.6	2.8	3.2	3.2	3.5	3.3	2.4	2.7	32.0
34.0	2.3	2.4	2.7	2.7	2.9	3.1	3.2	3.2	2.0	2.2	2.6	2.6	2.9	2.8	1.9	2.1	34.0
36.0	1.7	1.8	2.2	2.1	2.4	2.6	2.7	2.7	1.5	1.7	2.2	2.2	2.5	2.3	1.4	1.7	36.0
38.0	1.2	1.3	1.7	1.7	1.9	2.1	2.2	2.2	1.1	1.3	1.7	1.7	2.0	1.9		1.2	38.0
40.0			1.2	1.2	1.5	1.7	1.8	1.8			1.3	1.3	1.6	1.5			40.0
42.0					1.1	1.3	1.4	1.4					1.2	1.2			42.0
44.0							1.1	1.1									44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5										m
°	40	40	40	40	40	40	40										°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0																	22.0
24.0																	24.0
26.0	3.9	3.9															26.0
28.0	3.8	3.8		3.6	3.8												28.0
30.0	3.6	3.7	3.4	2.9	3.2		2.8										30.0
32.0	3.0	3.1	2.8	2.3	2.6	2.3	2.2										32.0
34.0	2.4	2.6	2.3	1.7	2.1	1.8	1.7										34.0
36.0	1.9	2.1	1.9	1.3	1.6	1.4	1.2										36.0
38.0	1.5	1.7	1.5		1.2												38.0
40.0	1.1	1.3	1.1														40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90										1
2	45	90	100	90	90	100	90										2
3	90	90	100	90	90	100	90										3
4	90	90	100	90	90	100	90										4
5	90	90	100	45	90	100	90										5
LK-Code	49	50	51	52	53	54	55										LK-Code
	2	2	2	2	2	2	2										

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0	10.0																3.0
	3.5	9.9																3.5
	4.0	9.9	9.7	9.8	9.8	9.7	9.2											4.0
	4.5	9.8	9.6	9.7	9.7	9.7	9.2	9.4	9.5	9.4	8.8							4.5
	5.0	9.7	9.5	9.6	9.6	9.6	9.1	9.3	9.4	9.3	8.8	8.2	8.0		9.1			5.0
	6.0	9.5	9.3	9.5	9.4	9.4	9.0	9.2	9.3	9.2	8.7	8.2	8.0	9.0	9.0	8.4	8.0	6.0
	7.0	9.3	9.2	9.3	9.2	9.2	8.8	9.0	9.1	9.0	8.5	8.1	7.9	8.8	8.9	8.3	8.0	7.0
	8.0	9.1	9.0	9.1	9.1	9.0	8.6	8.9	9.0	8.9	8.4	8.0	7.8	8.7	8.7	8.2	7.9	8.0
	9.0	8.8	8.8	8.9	8.9	8.8	8.5	8.7	8.8	8.7	8.3	7.9	7.7	8.5	8.6	8.1	7.8	9.0
	10.0	8.5	8.6	8.6	8.6	8.6	8.3	8.6	8.6	8.6	8.1	7.8	7.6	8.4	8.4	8.0	7.7	10.0
	12.0	7.7	8.1	8.1	8.1	8.1	7.9	8.2	8.2	8.2	7.8	7.5	7.4	8.1	8.2	7.7	7.5	12.0
	14.0	7.0	7.6	7.5	7.5	7.5	7.4	7.8	7.8	7.8	7.5	7.3	7.1	7.8	7.8	7.5	7.2	14.0
	16.0	6.3	6.9	6.9	6.9	6.9	6.8	7.1	7.4	7.3	7.2	7.0	6.8	6.5	7.5	7.2	7.0	16.0
	18.0	5.7	6.3	6.3	6.3	6.3	6.2	5.6	6.3	6.8	6.7	6.5	6.4	5.2	6.1	6.8	6.8	18.0
	20.0	5.2	5.0	5.4	5.7	5.8	5.7	4.4	5.1	5.6	6.0	6.1	6.0	4.0	4.9	5.6	5.8	20.0
	22.0	4.8	4.0	4.4	4.7	4.9	5.1	3.4	4.0	4.5	5.0	5.1	5.1	3.1	3.9	4.6	4.8	22.0
	24.0	4.4	3.2	3.6	3.9	4.1	4.3	2.6	3.2	3.7	4.1	4.3	4.3	2.3	3.1	3.7	3.9	24.0
	26.0	3.7	2.5	2.9	3.2	3.4	3.6	1.9	2.5	3.0	3.4	3.6	3.6	1.7	2.4	3.0	3.2	26.0
	28.0	3.1	1.9	2.3	2.6	2.8	3.0	1.4	2.0	2.4	2.8	3.0	3.0	1.1	1.9	2.4	2.6	28.0
	30.0	2.7	1.5	1.9	2.1	2.4	2.6		1.5	1.9	2.3	2.5	2.5		1.4	1.9	2.1	30.0
	32.0		1.1	1.5	1.7	2.0	2.1		1.1	1.5	1.9	2.1	2.1			1.5	1.7	32.0
	34.0			1.2	1.4	1.6	1.8			1.2	1.5	1.7	1.7			1.2	1.3	34.0
	36.0										1.2	1.4	1.4				1.0	36.0
	38.0											1.2	1.1					38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0	7.7	7.4	8.6	8.2													6.0
	7.0	7.6	7.4	8.5	8.1	7.8	7.6	7.4	7.0		7.7	7.7						7.0
	8.0	7.5	7.3	8.4	8.0	7.7	7.5	7.3	6.9	6.4	7.6	7.6	7.4	7.1	7.0	6.5		8.0
	9.0	7.5	7.2	8.3	7.9	7.7	7.4	7.2	6.9	6.4	7.6	7.5	7.4	7.0	6.9	6.5	5.9	9.0
	10.0	7.4	7.2	8.2	7.8	7.6	7.3	7.1	6.8	6.4	7.5	7.5	7.3	7.0	6.9	6.5	5.9	10.0
	12.0	7.2	7.0	7.9	7.6	7.4	7.2	7.0	6.7	6.3	7.3	7.3	7.1	6.8	6.7	6.4	5.9	12.0
	14.0	7.0	6.8	7.7	7.4	7.2	7.0	6.8	6.6	6.2	7.1	7.1	7.0	6.7	6.6	6.3	5.9	14.0
	16.0	6.8	6.6	6.3	7.2	7.0	6.8	6.7	6.4	6.1	6.2	6.6	6.8	6.5	6.5	6.2	5.8	16.0
	18.0	6.6	6.3	4.9	6.0	6.2	6.4	6.5	6.2	5.9	4.8	5.2	5.4	5.7	5.8	6.0	5.7	18.0
	20.0	6.0	5.9	3.8	4.8	5.0	5.2	5.4	5.6	5.4	3.7	4.0	4.2	4.6	4.6	5.0	4.8	20.0
	22.0	5.0	4.9	2.9	3.8	4.0	4.2	4.4	4.6	4.5	2.8	3.1	3.3	3.7	3.7	4.0	3.9	22.0
	24.0	4.1	4.1	2.1	3.0	3.3	3.5	3.6	3.8	3.7	2.1	2.4	2.6	2.9	3.0	3.3	3.2	24.0
	26.0	3.4	3.4	1.5	2.4	2.6	2.8	3.0	3.2	3.0	1.5	1.8	2.0	2.3	2.4	2.7	2.6	26.0
	28.0	2.8	2.8	1.0	1.9	2.1	2.3	2.5	2.6	2.5		1.3	1.5	1.8	1.8	2.2	2.0	28.0
	30.0	2.3	2.3		1.4	1.6	1.8	2.0	2.1	2.1			1.1	1.4	1.4	1.7	1.6	30.0
	32.0	1.9	1.9		1.0	1.2	1.4	1.5	1.7	1.7					1.0	1.4	1.2	32.0
	34.0	1.5	1.5				1.0	1.2	1.3	1.3						1.0		34.0
	36.0	1.2	1.2						1.0									36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	3.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	7.3																8.0
9.0	7.2	7.1	6.7	7.0	6.7	6.3	6.0										9.0
10.0	7.2	7.1	6.7	6.9	6.6	6.3	6.0	5.2	6.6	6.4	5.9	6.2	5.6				10.0
12.0	7.0	6.9	6.6	6.8	6.5	6.2	6.0	5.2	6.5	6.4	5.9	6.1	5.6	4.8	5.9	5.5	12.0
14.0	6.9	6.8	6.4	6.7	6.4	6.1	5.9	5.2	6.3	6.2	5.8	6.0	5.6	4.8	5.9	5.5	14.0
16.0	5.4	5.5	6.1	6.1	6.3	6.0	5.8	5.2	4.6	5.0	5.7	5.7	5.6	4.8	4.2	4.6	16.0
18.0	4.0	4.1	4.6	4.6	5.0	5.4	5.6	5.2	3.3	3.6	4.3	4.3	4.8	4.5	2.9	3.3	18.0
20.0	2.9	3.0	3.5	3.5	3.9	4.2	4.4	4.1	2.3	2.6	3.2	3.2	3.7	3.4	1.9	2.3	20.0
22.0	2.0	2.2	2.7	2.7	3.0	3.3	3.5	3.2	1.4	1.8	2.4	2.4	2.9	2.6	1.1	1.5	22.0
24.0	1.3	1.5	2.0	2.0	2.3	2.6	2.8	2.5		1.1	1.7	1.7	2.2	1.9			24.0
26.0			1.4	1.4	1.7	2.0	2.2	1.9			1.1	1.1	1.6	1.4			26.0
28.0					1.2	1.5	1.7	1.5					1.1				28.0
30.0						1.1	1.3	1.1									30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5										m
°	0	0	0	0	0	0	0										°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	5.1	5.1		4.9	4.5												12.0
14.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0										14.0
16.0	5.1	5.1	4.2	3.8	4.4	3.6	3.5										16.0
18.0	3.8	4.1	3.5	2.5	3.1	2.5	2.3										18.0
20.0	2.8	3.0	2.5	1.6	2.1	1.6	1.4										20.0
22.0	1.9	2.2	1.7		1.4												22.0
24.0	1.3	1.6	1.1														24.0
26.0		1.0															26.0
28.0																	28.0
30.0																	30.0
32.0																	32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90										1
2	45	90	100	90	90	100	90										2
3	90	90	100	90	90	100	90										3
4	90	90	100	90	90	100	90										4
5	90	90	100	45	90	100	90										5
LK-Code	49	50	51	52	53	54	55										LK-Code
	2	2	2	2	2	2	2										

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
↑ m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0	9.0																7.0
	8.0	8.8	8.7	8.8	8.8	8.7	8.4											8.0
	9.0	8.2	8.5	8.5	8.5	8.5	8.2	8.4	8.5	8.4	8.1							9.0
	10.0	7.7	8.1	8.1	8.1	8.1	8.0	8.2	8.3	8.2	7.9	7.6	7.4	8.1	8.2	7.8	7.5	10.0
	12.0	6.9	7.3	7.3	7.3	7.3	7.2	7.6	7.6	7.6	7.4	7.3	7.2	7.8	7.8	7.5	7.3	12.0
	14.0	6.3	6.7	6.7	6.6	6.6	6.6	7.0	6.9	6.9	6.8	6.8	6.8	7.2	7.2	7.0	7.0	14.0
	16.0	5.7	6.1	6.1	6.1	6.1	6.0	6.4	6.4	6.4	6.3	6.2	6.3	6.7	6.7	6.5	6.5	16.0
	18.0	5.2	5.6	5.6	5.6	5.6	5.6	6.0	5.9	5.9	5.9	5.8	5.9	6.0	6.2	6.1	6.1	18.0
	20.0	4.9	5.2	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5	5.4	5.5	4.8	5.6	5.7	5.7	20.0
	22.0	4.5	4.5	4.9	4.9	4.9	4.8	4.1	4.6	5.0	5.1	5.1	5.1	3.8	4.6	5.1	5.3	22.0
	24.0	4.2	3.6	4.0	4.3	4.5	4.6	3.2	3.7	4.2	4.5	4.6	4.7	3.0	3.7	4.2	4.4	24.0
	26.0	3.9	2.9	3.3	3.5	3.7	3.9	2.4	3.0	3.4	3.8	3.9	3.9	2.2	2.9	3.4	3.6	26.0
	28.0	3.3	2.3	2.6	2.9	3.1	3.3	1.8	2.3	2.8	3.1	3.3	3.3	1.6	2.3	2.8	3.0	28.0
	30.0	2.8	1.7	2.1	2.4	2.6	2.8	1.3	1.8	2.2	2.6	2.7	2.7	1.1	1.7	2.3	2.4	30.0
	32.0		1.3	1.6	1.9	2.1	2.3		1.3	1.8	2.1	2.3	2.3		1.3	1.8	2.0	32.0
	34.0			1.2	1.5	1.7	1.9			1.4	1.7	1.9	1.9			1.4	1.6	34.0
	36.0									1.0	1.4	1.5	1.5			1.1	1.2	36.0
	38.0										1.1	1.2	1.2					38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
↑ m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	7.1	6.9	7.7	7.4	7.2	7.0	6.9	6.6		7.1	7.1	7.0	6.7				12.0
	14.0	6.9	6.7	7.4	7.2	7.0	6.8	6.7	6.5	6.1	7.0	6.9	6.8	6.6	6.5	6.2	5.8	14.0
	16.0	6.4	6.4	6.9	6.7	6.7	6.6	6.5	6.3	6.0	6.8	6.8	6.6	6.4	6.4	6.1	5.7	16.0
	18.0	6.0	6.0	5.9	6.3	6.3	6.2	6.2	6.1	5.9	5.8	6.1	6.3	6.2	6.2	6.0	5.7	18.0
	20.0	5.6	5.6	4.6	5.5	5.7	5.9	5.8	5.7	5.7	4.5	4.8	5.0	5.3	5.4	5.7	5.5	20.0
	22.0	5.3	5.3	3.6	4.4	4.6	4.8	5.0	5.1	5.0	3.5	3.8	4.0	4.3	4.4	4.6	4.5	22.0
	24.0	4.5	4.5	2.8	3.6	3.8	4.0	4.1	4.3	4.2	2.7	3.0	3.2	3.5	3.5	3.8	3.7	24.0
	26.0	3.8	3.8	2.1	2.9	3.1	3.3	3.4	3.6	3.5	2.1	2.3	2.5	2.8	2.9	3.1	3.0	26.0
	28.0	3.1	3.1	1.5	2.3	2.5	2.7	2.8	3.0	2.9	1.5	1.8	2.0	2.2	2.3	2.6	2.5	28.0
	30.0	2.6	2.6	1.1	1.8	2.0	2.2	2.3	2.5	2.4	1.0	1.3	1.5	1.8	1.8	2.1	2.0	30.0
	32.0	2.1	2.1		1.4	1.5	1.7	1.8	2.0	2.0			1.1	1.4	1.4	1.7	1.6	32.0
	34.0	1.7	1.7			1.1	1.3	1.4	1.6	1.6				1.0	1.1	1.3	1.2	34.0
	36.0	1.4	1.4					1.1	1.2	1.2								36.0
	38.0	1.1	1.1															38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	6.7	6.6	6.4	6.6	6.3	6.1	5.9		6.3								14.0
	16.0	6.5	6.5	6.2	6.4	6.2	6.0	5.8	5.2	5.9	6.1	5.7	5.9	5.5		5.5	5.5	16.0
	18.0	5.0	5.2	5.6	5.6	5.9	5.9	5.7	5.2	4.4	4.7	5.3	5.3	5.5	4.8	4.0	4.4	18.0
	20.0	3.8	3.9	4.4	4.4	4.7	5.0	5.2	4.8	3.3	3.5	4.1	4.1	4.5	4.2	2.9	3.3	20.0
	22.0	2.9	3.0	3.4	3.4	3.7	4.0	4.2	3.9	2.3	2.6	3.1	3.2	3.6	3.3	2.0	2.4	22.0
	24.0	2.1	2.2	2.6	2.6	2.9	3.2	3.4	3.1	1.6	1.8	2.4	2.4	2.8	2.5	1.3	1.6	24.0
	26.0	1.4	1.5	2.0	2.0	2.3	2.5	2.7	2.5		1.2	1.8	1.8	2.2	1.9		1.0	26.0
	28.0		1.0	1.4	1.4	1.7	2.0	2.2	1.9			1.2	1.2	1.6	1.4			28.0
	30.0					1.3	1.5	1.7	1.5					1.2				30.0
	32.0						1.1	1.3	1.1									32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5										m
	°	10	10	10	10	10	10	10										°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	4.8	5.0		3.7	4.2												18.0
	20.0	3.6	3.9	3.4	2.6	3.1	2.6	2.4										20.0
	22.0	2.7	3.0	2.5	1.7	2.2	1.8	1.6										22.0
	24.0	2.0	2.2	1.8	1.0	1.5	1.1											24.0
	26.0	1.4	1.6	1.2														26.0
	28.0		1.1															28.0
	30.0																	30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90										1
	2	45	90	100	90	90	100	90										2
	3	90	90	100	90	90	100	90										3
	4	90	90	100	90	90	100	90										4
	5	90	90	100	45	90	100	90										5
	LK-Code	49	50	51	52	53	54	55										LK-Code
		2	2	2	2	2	2	2										

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	6.2	6.4	6.4	6.4	6.4	6.3	6.5	6.5	6.5								12.0
	14.0	5.7	5.9	5.9	5.9	5.9	5.8	6.1	6.0	6.0	6.0	5.9	5.9	6.2	6.2	6.1	6.0	14.0
	16.0	5.3	5.5	5.5	5.5	5.5	5.4	5.7	5.6	5.6	5.6	5.5	5.5	5.8	5.8	5.7	5.7	16.0
	18.0	4.9	5.1	5.1	5.1	5.1	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.5	5.4	5.4	5.3	18.0
	20.0	4.6	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0	4.9	4.9	4.9	5.2	5.2	5.1	5.1	20.0
	22.0	4.3	4.6	4.5	4.5	4.5	4.5	4.7	4.7	4.7	4.7	4.6	4.7	4.5	4.9	4.8	4.8	22.0
	24.0	4.1	4.1	4.3	4.3	4.3	4.3	3.7	4.2	4.5	4.5	4.4	4.4	3.6	4.2	4.6	4.6	24.0
	26.0	3.9	3.3	3.6	3.9	4.0	4.1	2.9	3.4	3.8	4.1	4.2	4.2	2.8	3.4	3.9	4.0	26.0
	28.0	3.5	2.6	2.9	3.2	3.4	3.5	2.2	2.7	3.1	3.4	3.6	3.6	2.1	2.7	3.2	3.3	28.0
	30.0	2.9	2.0	2.3	2.6	2.8	3.0	1.6	2.1	2.5	2.8	3.0	3.0	1.5	2.1	2.6	2.7	30.0
	32.0		1.5	1.8	2.1	2.3	2.4	1.1	1.6	2.0	2.3	2.5	2.5		1.6	2.1	2.2	32.0
	34.0		1.0	1.3	1.6	1.8	2.0		1.2	1.6	1.9	2.0	2.1		1.1	1.6	1.8	34.0
	36.0									1.2	1.5	1.6	1.7			1.2	1.4	36.0
	38.0												1.3				1.1	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	6.0		6.3	6.2													14.0
	16.0	5.6	5.6	5.9	5.8	5.8	5.7	5.7	5.7		5.9	5.9	5.8	5.8	5.8			16.0
	18.0	5.3	5.3	5.6	5.5	5.5	5.4	5.4	5.4	5.3	5.6	5.6	5.5	5.5	5.5	5.4	5.4	18.0
	20.0	5.0	5.0	5.3	5.2	5.2	5.2	5.1	5.1	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.1	20.0
	22.0	4.8	4.8	4.4	5.0	4.9	4.9	4.9	4.9	4.9	4.3	4.5	4.7	4.9	5.0	4.9	4.9	22.0
	24.0	4.6	4.6	3.5	4.2	4.4	4.5	4.6	4.7	4.7	3.4	3.6	3.8	4.1	4.1	4.4	4.2	24.0
	26.0	4.1	4.1	2.7	3.4	3.6	3.8	3.9	4.0	3.9	2.7	2.9	3.1	3.3	3.4	3.6	3.5	26.0
	28.0	3.5	3.5	2.1	2.8	2.9	3.1	3.2	3.4	3.3	2.0	2.3	2.4	2.7	2.7	3.0	2.9	28.0
	30.0	2.9	2.9	1.5	2.2	2.4	2.5	2.6	2.8	2.8	1.5	1.8	1.9	2.2	2.2	2.5	2.4	30.0
	32.0	2.4	2.4		1.7	1.9	2.0	2.1	2.3	2.3	1.1	1.3	1.5	1.7	1.8	2.0	1.9	32.0
	34.0	1.9	1.9		1.2	1.4	1.6	1.7	1.8	1.8			1.1	1.3	1.4	1.6	1.6	34.0
	36.0	1.5	1.6			1.0	1.2	1.3	1.4	1.4						1.2	1.2	36.0
	38.0	1.2	1.2						1.1	1.1								38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	5.6	5.6	5.5	5.6	5.5	5.4	5.4		5.6								18.0
	20.0	4.8	4.9	5.2	5.2	5.3	5.2	5.2	5.1	4.3	4.5	4.9	5.0	5.2		3.9		20.0
	22.0	3.7	3.8	4.2	4.2	4.4	4.7	4.8	4.5	3.2	3.4	3.9	3.9	4.3	4.0	2.9	3.2	22.0
	24.0	2.8	2.9	3.3	3.3	3.6	3.8	4.0	3.7	2.4	2.6	3.1	3.1	3.4	3.2	2.1	2.4	24.0
	26.0	2.1	2.2	2.6	2.6	2.9	3.1	3.2	3.0	1.7	1.9	2.4	2.4	2.7	2.5	1.4	1.7	26.0
	28.0	1.5	1.6	2.0	2.0	2.2	2.5	2.6	2.4	1.1	1.3	1.8	1.8	2.1	1.9		1.1	28.0
	30.0		1.1	1.5	1.5	1.7	2.0	2.1	1.9			1.3	1.3	1.6	1.4			30.0
	32.0			1.0	1.0	1.3	1.5	1.7	1.5					1.2	1.0			32.0
	34.0						1.1	1.3	1.1									34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8												m
	°	20	20	20	20	20												°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	3.5	3.7		2.7													22.0
	24.0	2.7	2.9	2.5	1.9	2.2												24.0
	26.0	2.0	2.2	1.9	1.2	1.6												26.0
	28.0	1.5	1.7	1.3		1.0												28.0
	30.0		1.2															30.0
	32.0																	32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	45	0	0	90	45												1
	2	45	90	100	90	90												2
	3	90	90	100	90	90												3
	4	90	90	100	90	90												4
	5	90	90	100	45	90												5
	LK-Code	49	50	51	52	53												LK-Code
		2	2	2	2	2												

HAVHY	21.0 m	3.7 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	5.2																14.0
16.0	4.9	5.0	5.0	5.0	5.0	4.9	5.1	5.1	5.1	5.0	5.0	5.0	5.1	5.1			16.0
18.0	4.6	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.7	4.7	4.9	4.9	4.8	4.8	18.0
20.0	4.3	4.5	4.5	4.5	4.5	4.4	4.6	4.6	4.6	4.5	4.5	4.5	4.7	4.7	4.6	4.6	20.0
22.0	4.1	4.3	4.2	4.2	4.2	4.2	4.4	4.4	4.4	4.3	4.3	4.3	4.5	4.5	4.4	4.4	22.0
24.0	3.9	4.1	4.1	4.1	4.1	4.0	4.2	4.2	4.2	4.2	4.1	4.2	4.2	4.3	4.3	4.2	24.0
26.0	3.8	3.7	3.9	3.9	3.9	3.9	3.4	3.8	4.0	4.0	4.0	4.0	3.3	3.8	4.1	4.1	26.0
28.0	3.6	2.9	3.2	3.4	3.6	3.8	2.6	3.1	3.4	3.7	3.8	3.8	2.5	3.1	3.5	3.6	28.0
30.0		2.3	2.6	2.8	3.0	3.1	1.9	2.4	2.8	3.1	3.2	3.2	1.9	2.4	2.9	3.0	30.0
32.0		1.7	2.0	2.2	2.4	2.6	1.4	1.8	2.2	2.5	2.7	2.7	1.3	1.9	2.3	2.5	32.0
34.0								1.3	1.7	2.0	2.2	2.2		1.4	1.8	2.0	34.0
36.0									1.3	1.6	1.7	1.8			1.4	1.6	36.0
38.0															1.0	1.2	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8		4.9							18.0
20.0	4.6	4.6	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.6		20.0
22.0	4.4	4.4	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.6	4.5	4.5	4.5	4.5	4.4	4.4	22.0
24.0	4.2	4.2	4.1	4.3	4.3	4.3	4.3	4.3	4.3	4.0	4.3	4.4	4.3	4.3	4.3	4.3	24.0
26.0	4.1	4.1	3.3	3.9	4.1	4.2	4.1	4.1	4.1	3.2	3.5	3.6	3.8	3.9	4.1	4.0	26.0
28.0	3.8	3.8	2.6	3.2	3.3	3.5	3.6	3.7	3.7	2.6	2.8	2.9	3.1	3.2	3.4	3.3	28.0
30.0	3.1	3.2	1.9	2.5	2.7	2.8	2.9	3.1	3.1	2.0	2.2	2.3	2.6	2.6	2.8	2.8	30.0
32.0	2.6	2.6	1.4	2.0	2.1	2.3	2.4	2.5	2.5	1.5	1.7	1.8	2.1	2.1	2.3	2.3	32.0
34.0	2.1	2.1		1.5	1.7	1.8	1.9	2.1	2.1	1.0	1.2	1.4	1.6	1.6	1.9	1.9	34.0
36.0	1.7	1.7		1.1	1.2	1.4	1.5	1.6	1.6				1.2	1.2	1.5	1.5	36.0
38.0	1.3	1.3				1.0	1.1	1.3	1.3						1.1	1.1	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	4.8	4.7	4.7	4.7	4.7												20.0
	22.0	4.5	4.6	4.5	4.6	4.5	4.5	4.5		4.1	4.3	4.5	4.5	4.5				22.0
↑ m	24.0	3.5	3.6	3.9	4.0	4.2	4.3	4.3	4.3	3.1	3.3	3.7	3.7	4.0	3.8	2.9	3.1	24.0
	26.0	2.7	2.8	3.2	3.2	3.4	3.6	3.7	3.5	2.3	2.6	3.0	3.0	3.3	3.1	2.1	2.4	26.0
	28.0	2.1	2.2	2.5	2.5	2.7	2.9	3.1	2.9	1.7	1.9	2.3	2.3	2.6	2.4	1.4	1.7	28.0
→ m	30.0	1.5	1.6	1.9	1.9	2.2	2.4	2.5	2.3	1.1	1.3	1.8	1.8	2.1	1.9		1.2	30.0
	32.0		1.1	1.4	1.4	1.7	1.9	2.0	1.9			1.3	1.3	1.6	1.4			32.0
	34.0			1.0	1.0	1.3	1.5	1.6	1.5					1.2	1.0			34.0
	36.0						1.1	1.3	1.1									36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
%	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8												m
	°	30	30	30	30	30												°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
↑ m	24.0	3.4	3.6															24.0
	26.0	2.7	2.8		1.9	2.2												26.0
	28.0	2.0	2.2	1.9	1.3	1.6												28.0
→ m	30.0	1.5	1.7	1.4		1.1												30.0
	32.0	1.0	1.2															32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45												1
	2	45	90	100	90	90												2
%	3	90	90	100	90	90												3
	4	90	90	100	90	90												4
	5	90	90	100	45	90												5
	LK-Code	49	50	51	52	53												LK-Code
		2	2	2	2	2												

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
↕ m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	4.5																16.0
	18.0	4.3	4.4	4.4	4.4	4.4	4.3	4.4	4.4	4.4	4.4							18.0
	20.0	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.2	4.2	20.0
	22.0	3.9	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.1	22.0
	24.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	24.0
	26.0	3.7	3.8	3.8	3.8	3.8	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	26.0
	28.0	3.7	3.2	3.5	3.7	3.7	3.7	3.0	3.4	3.7	3.7	3.7	3.7	2.9	3.4	3.8	3.8	28.0
	30.0		2.5	2.7	3.0	3.1	3.3	2.2	2.7	3.0	3.3	3.4	3.4	2.2	2.7	3.1	3.3	30.0
	32.0							1.6	2.0	2.4	2.7	2.8	2.9	1.6	2.1	2.5	2.7	32.0
	34.0							1.0	1.5	1.8	2.1	2.3	2.3	1.0	1.6	2.0	2.2	34.0
	36.0														1.1	1.5	1.7	36.0
	38.0															1.1	1.3	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
↕ m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	4.2	4.2	4.3	4.3	4.3	4.2	4.2										20.0
	22.0	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.1	4.1	4.1	4.1		22.0
	24.0	3.9	3.9	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.0	4.0	4.0	4.0	4.0	24.0
	26.0	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.8	4.0	3.9	3.9	3.9	3.9	3.9	26.0
	28.0	3.8	3.8	3.0	3.5	3.7	3.8	3.8	3.8	3.8	3.0	3.2	3.4	3.6	3.6	3.8	3.7	28.0
	30.0	3.4	3.4	2.3	2.8	3.0	3.1	3.2	3.3	3.3	2.4	2.6	2.7	2.9	3.0	3.2	3.1	30.0
	32.0	2.8	2.8	1.7	2.3	2.4	2.5	2.6	2.8	2.8	1.8	2.0	2.1	2.4	2.4	2.6	2.6	32.0
	34.0	2.3	2.3	1.1	1.7	1.9	2.0	2.1	2.2	2.3	1.3	1.5	1.6	1.8	1.9	2.1	2.1	34.0
	36.0	1.8	1.8		1.3	1.4	1.6	1.7	1.8	1.8		1.0	1.2	1.4	1.4	1.6	1.7	36.0
	38.0	1.4	1.4			1.0	1.1	1.3	1.4	1.4					1.0	1.2	1.3	38.0
	40.0								1.0	1.0								40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	3.7 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	4.2	4.2	4.1	4.2													22.0
	24.0	4.1	4.1	4.0	4.1	4.0	4.0	4.0		3.9	4.0	4.0	4.0					24.0
	26.0	3.3	3.4	3.7	3.7	3.9	3.9	3.9	3.9	3.0	3.2	3.5	3.5	3.8	3.6	2.8	3.0	26.0
	28.0	2.6	2.7	3.0	3.0	3.2	3.4	3.5	3.3	2.3	2.5	2.8	2.8	3.1	2.9	2.1	2.3	28.0
	30.0	2.0	2.1	2.4	2.4	2.6	2.8	2.9	2.7	1.6	1.8	2.2	2.2	2.5	2.4	1.4	1.7	30.0
	32.0	1.4	1.5	1.8	1.8	2.1	2.3	2.4	2.2	1.1	1.3	1.7	1.7	2.0	1.8		1.2	32.0
	34.0		1.0	1.4	1.4	1.6	1.8	1.9	1.8			1.2	1.2	1.5	1.4			34.0
	36.0					1.2	1.4	1.5	1.4					1.2	1.0			36.0
	38.0							1.1	1.0									38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8												m
	°	40	40	40	40	40												°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
	24.0																	24.0
	26.0	3.3	3.4															26.0
	28.0	2.6	2.7		1.9	2.2												28.0
	30.0	2.0	2.1	1.9	1.3	1.6												30.0
	32.0	1.5	1.6	1.4		1.1												32.0
	34.0	1.0	1.2															34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45												1
	2	45	90	100	90	90												2
	3	90	90	100	90	90												3
	4	90	90	100	90	90												4
	5	90	90	100	45	90												5
	LK-Code	49	50	51	52	53												LK-Code
		2	2	2	2	2												

HAVHY	21.0 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0	10.0																3.0
3.5	9.9																3.5
4.0	9.9	9.7	9.8	9.8	9.7	9.2											4.0
4.5	9.8	9.6	9.7	9.7	9.7	9.2	9.4	9.5	9.4	8.8							4.5
5.0	9.7	9.5	9.6	9.6	9.6	9.1	9.3	9.4	9.3	8.8	8.2	8.0		9.1			5.0
6.0	9.5	9.3	9.5	9.4	9.4	9.0	9.2	9.3	9.2	8.7	8.2	8.0	9.0	9.0	8.4	8.0	6.0
7.0	9.3	9.2	9.3	9.2	9.2	8.8	9.0	9.1	9.0	8.5	8.1	7.9	8.8	8.9	8.3	8.0	7.0
8.0	9.1	9.0	9.1	9.1	9.0	8.6	8.9	9.0	8.9	8.4	8.0	7.8	8.7	8.7	8.2	7.9	8.0
9.0	8.8	8.8	8.9	8.9	8.8	8.5	8.7	8.8	8.7	8.3	7.9	7.7	8.5	8.6	8.1	7.8	9.0
10.0	8.5	8.6	8.6	8.6	8.6	8.3	8.6	8.6	8.6	8.1	7.8	7.6	8.4	8.4	8.0	7.7	10.0
12.0	7.7	8.1	8.1	8.1	8.1	7.9	8.2	8.2	8.2	7.8	7.5	7.4	8.1	8.2	7.7	7.5	12.0
14.0	7.0	7.6	7.5	7.5	7.5	7.4	7.8	7.8	7.8	7.5	7.3	7.1	7.8	7.8	7.5	7.2	14.0
16.0	6.3	6.9	6.9	6.9	6.9	6.8	7.4	7.4	7.3	7.2	7.0	6.8	7.5	7.5	7.2	7.0	16.0
18.0	5.7	6.4	6.3	6.3	6.3	6.2	6.8	6.8	6.8	6.7	6.5	6.4	7.2	7.2	7.0	6.8	18.0
20.0	5.2	5.8	5.8	5.8	5.8	5.7	6.3	6.3	6.3	6.2	6.1	6.0	6.4	6.7	6.5	6.5	20.0
22.0	4.8	5.3	5.3	5.3	5.3	5.3	5.5	5.8	5.8	5.7	5.6	5.4	5.3	5.9	6.1	6.1	22.0
24.0	4.5	5.0	4.9	4.9	4.9	4.9	4.6	5.1	5.3	5.3	5.2	4.9	4.5	5.1	5.5	5.7	24.0
26.0	4.2	4.4	4.6	4.6	4.6	4.6	3.9	4.4	4.8	5.0	4.7	4.5	3.8	4.3	4.8	4.9	26.0
28.0	4.0	3.8	4.1	4.3	4.3	4.3	3.3	3.8	4.1	4.4	4.4	4.1	3.2	3.7	4.2	4.3	28.0
30.0	3.8	3.3	3.6	3.8	3.9	4.1	2.8	3.3	3.6	3.9	4.0	3.8	2.7	3.2	3.6	3.8	30.0
32.0		2.8	3.1	3.3	3.5	3.6	2.4	2.8	3.2	3.5	3.6	3.5	2.2	2.8	3.2	3.3	32.0
34.0		2.5	2.8	3.0	3.1	3.3	2.0	2.5	2.8	3.1	3.2	3.2	1.8	2.4	2.8	2.9	34.0
36.0							1.6	2.1	2.5	2.7	2.9	2.9	1.4	2.0	2.5	2.6	36.0
38.0							1.3	1.9	2.2	2.5	2.6	2.6	1.0	1.7	2.2	2.3	38.0
40.0														1.4	1.9	2.0	40.0
42.0														1.1	1.7	1.8	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	7.7	7.4	8.6	8.2													6.0
7.0	7.6	7.4	8.5	8.1	7.8	7.6	7.4	7.0		7.7	7.7						7.0
8.0	7.5	7.3	8.4	8.0	7.7	7.5	7.3	6.9	6.4	7.6	7.6	7.4	7.1	7.0	6.5		8.0
9.0	7.5	7.2	8.3	7.9	7.7	7.4	7.2	6.9	6.4	7.6	7.5	7.4	7.0	6.9	6.5	5.9	9.0
10.0	7.4	7.2	8.2	7.8	7.6	7.3	7.1	6.8	6.4	7.5	7.5	7.3	7.0	6.9	6.5	5.9	10.0
12.0	7.2	7.0	7.9	7.6	7.4	7.2	7.0	6.7	6.3	7.3	7.3	7.1	6.8	6.7	6.4	5.9	12.0
14.0	7.0	6.8	7.7	7.4	7.2	7.0	6.8	6.6	6.2	7.1	7.1	7.0	6.7	6.6	6.3	5.9	14.0
16.0	6.8	6.6	7.4	7.2	7.0	6.8	6.7	6.4	6.1	7.0	6.9	6.8	6.5	6.5	6.2	5.8	16.0
18.0	6.6	6.3	7.2	6.9	6.8	6.7	6.5	6.2	5.9	6.8	6.8	6.7	6.4	6.4	6.0	5.7	18.0
20.0	6.4	6.1	6.4	6.7	6.6	6.5	6.4	5.9	5.6	6.5	6.6	6.5	6.3	6.2	5.8	5.6	20.0
22.0	6.0	5.7	5.3	6.0	6.2	6.3	6.2	5.7	5.3	5.4	5.7	5.8	6.0	6.1	5.6	5.3	22.0
24.0	5.6	5.3	4.5	5.1	5.3	5.4	5.5	5.4	5.0	4.6	4.8	4.9	5.2	5.2	5.4	5.0	24.0
26.0	5.1	4.9	3.8	4.4	4.6	4.7	4.8	4.9	4.6	3.8	4.1	4.2	4.4	4.5	4.7	4.7	26.0
28.0	4.4	4.4	3.2	3.8	3.9	4.1	4.2	4.3	4.3	3.2	3.5	3.6	3.8	3.9	4.1	4.1	28.0
30.0	3.9	3.9	2.6	3.3	3.4	3.5	3.7	3.8	3.8	2.7	2.9	3.1	3.3	3.3	3.6	3.5	30.0
32.0	3.4	3.4	2.2	2.8	3.0	3.1	3.2	3.3	3.3	2.3	2.5	2.6	2.8	2.9	3.1	3.1	32.0
34.0	3.1	3.1	1.7	2.4	2.6	2.7	2.8	2.9	2.9	1.8	2.1	2.2	2.5	2.5	2.7	2.7	34.0
36.0	2.7	2.7	1.3	2.1	2.2	2.4	2.5	2.6	2.6	1.4	1.7	1.8	2.1	2.1	2.4	2.3	36.0
38.0	2.4	2.4		1.7	1.9	2.0	2.2	2.3	2.2	1.1	1.3	1.5	1.8	1.8	2.1	2.0	38.0
40.0	2.1	2.1		1.4	1.6	1.8	1.9	2.0	2.0			1.2	1.4	1.5	1.8	1.7	40.0
42.0	1.9	1.9		1.1	1.3	1.5	1.6	1.8	1.7				1.1	1.2	1.5	1.4	42.0
44.0					1.1	1.2	1.4	1.5	1.5						1.2	1.2	44.0
46.0						1.0	1.1	1.3	1.2								46.0
48.0									1.0								48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	7.3																8.0
9.0	7.2	7.1	6.7	7.0	6.7	6.3	6.0										9.0
10.0	7.2	7.1	6.7	6.9	6.6	6.3	6.0	5.2	6.6	6.4	5.9	6.2	5.6				10.0
12.0	7.0	6.9	6.6	6.8	6.5	6.2	6.0	5.2	6.5	6.4	5.9	6.1	5.6	4.8	5.9	5.5	12.0
14.0	6.9	6.8	6.4	6.7	6.4	6.1	5.9	5.2	6.4	6.2	5.8	6.0	5.6	4.8	5.9	5.5	14.0
16.0	6.7	6.6	6.3	6.5	6.3	6.0	5.8	5.2	6.3	6.1	5.7	5.9	5.6	4.8	5.8	5.5	16.0
18.0	6.6	6.5	6.2	6.4	6.2	5.9	5.7	5.2	6.2	6.0	5.7	5.8	5.5	4.8	5.7	5.4	18.0
20.0	5.9	6.1	6.1	6.3	6.1	5.8	5.7	5.2	5.4	5.7	5.6	5.8	5.4	4.8	5.1	5.4	20.0
22.0	5.0	5.1	5.5	5.5	5.8	5.6	5.5	5.1	4.4	4.8	5.4	5.4	5.4	4.8	4.2	4.6	22.0
24.0	4.1	4.3	4.7	4.6	4.9	5.1	5.3	5.0	3.6	4.0	4.6	4.6	4.9	4.8	3.4	3.8	24.0
26.0	3.4	3.6	3.9	3.9	4.2	4.4	4.5	4.5	3.0	3.3	3.9	3.9	4.2	4.1	2.7	3.1	26.0
28.0	2.8	3.0	3.3	3.3	3.6	3.8	3.9	3.8	2.4	2.7	3.2	3.2	3.6	3.4	2.1	2.5	28.0
30.0	2.3	2.4	2.8	2.8	3.0	3.2	3.4	3.3	1.8	2.1	2.7	2.7	3.1	2.9	1.5	1.9	30.0
32.0	1.8	1.9	2.4	2.3	2.6	2.8	2.9	2.8	1.4	1.6	2.2	2.2	2.6	2.4	1.1	1.5	32.0
34.0	1.3	1.5	1.9	1.9	2.2	2.4	2.5	2.5		1.2	1.8	1.8	2.2	2.0		1.1	34.0
36.0		1.1	1.5	1.5	1.8	2.0	2.2	2.1			1.4	1.4	1.8	1.6			36.0
38.0			1.1	1.1	1.4	1.7	1.8	1.7			1.1	1.1	1.5	1.3			38.0
40.0					1.1	1.3	1.5	1.4					1.1	1.0			40.0
42.0						1.1	1.2	1.1									42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	0	0	0	0	0	0	0	0									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	5.1	5.1		4.9	4.5												12.0
14.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0										14.0
16.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									16.0
18.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									18.0
20.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0	3.0									20.0
22.0	5.1	5.0	4.2	4.0	4.5	3.6	4.0	3.0									22.0
24.0	4.2	4.5	4.1	3.2	3.7	3.3	3.1	2.5									24.0
26.0	3.5	3.7	3.3	2.5	3.0	2.6	2.4	1.8									26.0
28.0	2.9	3.1	2.7	1.9	2.4	2.0	1.8	1.3									28.0
30.0	2.3	2.6	2.2	1.4	1.8	1.5	1.3										30.0
32.0	1.9	2.1	1.7		1.4	1.1											32.0
34.0	1.4	1.7	1.3		1.0												34.0
36.0	1.1	1.3															36.0
38.0		1.0															38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	21.0 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	9.0																7.0
8.0	8.8	8.7	8.8	8.8	8.7	8.4											8.0
9.0	8.2	8.5	8.5	8.5	8.5	8.2	8.4	8.5	8.4	8.1							9.0
10.0	7.7	8.1	8.1	8.1	8.1	8.0	8.2	8.3	8.2	7.9	7.6	7.4	8.1	8.2	7.8	7.5	10.0
12.0	6.9	7.3	7.3	7.3	7.3	7.2	7.6	7.6	7.6	7.4	7.3	7.2	7.8	7.8	7.5	7.3	12.0
14.0	6.3	6.7	6.7	6.6	6.6	6.6	7.0	6.9	6.9	6.8	6.8	6.8	7.2	7.2	7.0	7.0	14.0
16.0	5.7	6.1	6.1	6.1	6.1	6.0	6.4	6.4	6.4	6.3	6.2	6.3	6.7	6.7	6.5	6.5	16.0
18.0	5.2	5.6	5.6	5.6	5.6	5.6	6.0	5.9	5.9	5.9	5.8	5.9	6.3	6.2	6.1	6.1	18.0
20.0	4.9	5.2	5.2	5.2	5.2	5.2	5.6	5.5	5.5	5.5	5.4	5.5	5.8	5.8	5.7	5.7	20.0
22.0	4.5	4.9	4.9	4.9	4.9	4.8	5.2	5.2	5.2	5.1	5.1	5.1	5.5	5.4	5.4	5.3	22.0
24.0	4.2	4.6	4.6	4.6	4.6	4.6	4.9	4.9	4.9	4.8	4.8	4.7	4.9	5.1	5.1	5.0	24.0
26.0	4.0	4.4	4.3	4.3	4.3	4.3	4.3	4.6	4.6	4.6	4.5	4.4	4.2	4.7	4.8	4.8	26.0
28.0	3.9	4.0	4.1	4.1	4.1	4.1	3.7	4.1	4.4	4.3	4.2	4.0	3.5	4.0	4.4	4.6	28.0
30.0	3.8	3.5	3.7	3.9	3.9	3.9	3.1	3.5	3.8	4.1	3.9	3.7	3.0	3.5	3.9	4.0	30.0
32.0		3.0	3.3	3.4	3.6	3.7	2.6	3.0	3.4	3.6	3.7	3.4	2.5	3.0	3.4	3.5	32.0
34.0		2.6	2.8	3.0	3.2	3.3	2.2	2.6	2.9	3.2	3.3	3.2	2.1	2.6	3.0	3.1	34.0
36.0							1.8	2.3	2.6	2.8	3.0	3.0	1.6	2.2	2.6	2.7	36.0
38.0							1.4	1.9	2.2	2.5	2.6	2.6	1.2	1.9	2.3	2.4	38.0
40.0														1.5	2.0	2.1	40.0
42.0														1.2	1.7	1.9	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	7.1	6.9	7.7	7.4	7.2	7.0	6.9	6.6		7.1	7.1	7.0	6.7				12.0
14.0	6.9	6.7	7.4	7.2	7.0	6.8	6.7	6.5	6.1	7.0	6.9	6.8	6.6	6.5	6.2	5.8	14.0
16.0	6.4	6.4	6.9	6.7	6.7	6.6	6.5	6.3	6.0	6.8	6.8	6.6	6.4	6.4	6.1	5.7	16.0
18.0	6.0	6.0	6.5	6.3	6.3	6.2	6.2	6.1	5.9	6.5	6.5	6.4	6.2	6.2	6.0	5.7	18.0
20.0	5.6	5.6	6.1	5.9	5.9	5.9	5.8	5.7	5.7	6.1	6.1	6.0	6.0	6.0	5.8	5.5	20.0
22.0	5.3	5.3	5.7	5.6	5.6	5.5	5.5	5.5	5.4	5.8	5.8	5.7	5.7	5.7	5.6	5.4	22.0
24.0	5.0	5.0	4.9	5.3	5.3	5.2	5.2	5.2	5.0	5.0	5.2	5.4	5.4	5.4	5.3	5.1	24.0
26.0	4.7	4.6	4.2	4.7	4.9	5.0	4.9	4.8	4.6	4.3	4.5	4.6	4.8	4.8	5.0	4.7	26.0
28.0	4.5	4.3	3.5	4.1	4.2	4.4	4.5	4.5	4.2	3.6	3.8	3.9	4.1	4.2	4.4	4.4	28.0
30.0	4.1	4.0	3.0	3.5	3.7	3.8	3.9	4.0	3.8	3.1	3.3	3.4	3.6	3.6	3.8	3.8	30.0
32.0	3.6	3.6	2.5	3.1	3.2	3.3	3.4	3.5	3.5	2.6	2.8	2.9	3.1	3.1	3.3	3.3	32.0
34.0	3.2	3.2	2.1	2.6	2.8	2.9	3.0	3.1	3.1	2.2	2.4	2.5	2.7	2.7	2.9	2.9	34.0
36.0	2.8	2.8	1.6	2.3	2.4	2.5	2.6	2.7	2.7	1.7	2.0	2.1	2.3	2.4	2.6	2.5	36.0
38.0	2.5	2.5	1.2	1.9	2.1	2.2	2.3	2.4	2.4	1.3	1.6	1.7	2.0	2.0	2.2	2.2	38.0
40.0	2.2	2.2		1.6	1.8	1.9	2.0	2.1	2.1		1.2	1.4	1.6	1.7	1.9	1.9	40.0
42.0	2.0	2.0		1.3	1.5	1.6	1.7	1.9	1.8			1.1	1.3	1.4	1.6	1.6	42.0
44.0					1.2	1.3	1.5	1.6	1.6				1.0	1.1	1.4	1.3	44.0
46.0						1.1	1.2	1.4	1.3						1.1	1.1	46.0
48.0									1.1								48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	6.7	6.6	6.4	6.6	6.3	6.1	5.9		6.3								14.0
16.0	6.6	6.5	6.2	6.4	6.2	6.0	5.8	5.2	6.2	6.1	5.7	5.9	5.5		5.7	5.5	16.0
18.0	6.4	6.3	6.1	6.3	6.1	5.9	5.7	5.2	6.1	6.0	5.6	5.8	5.5	4.8	5.6	5.4	18.0
20.0	6.2	6.2	5.9	6.1	5.9	5.8	5.6	5.2	6.0	5.8	5.5	5.7	5.4	4.8	5.5	5.3	20.0
22.0	5.6	5.7	5.8	5.8	5.8	5.6	5.5	5.1	5.2	5.5	5.4	5.6	5.3	4.8	4.9	5.3	22.0
24.0	4.7	4.8	5.1	5.1	5.3	5.4	5.4	5.0	4.3	4.6	5.1	5.1	5.2	4.8	4.1	4.5	24.0
26.0	3.9	4.0	4.4	4.3	4.6	4.8	4.9	4.8	3.6	3.9	4.3	4.3	4.6	4.6	3.3	3.7	26.0
28.0	3.3	3.4	3.7	3.7	3.9	4.1	4.2	4.2	2.9	3.2	3.7	3.7	4.0	3.9	2.7	3.1	28.0
30.0	2.7	2.8	3.1	3.1	3.4	3.5	3.7	3.6	2.3	2.6	3.1	3.1	3.4	3.3	2.1	2.5	30.0
32.0	2.2	2.4	2.7	2.7	2.9	3.1	3.2	3.1	1.8	2.1	2.6	2.6	2.9	2.8	1.6	2.0	32.0
34.0	1.8	1.9	2.2	2.2	2.5	2.6	2.8	2.7	1.4	1.7	2.2	2.2	2.5	2.4	1.2	1.5	34.0
36.0	1.3	1.4	1.8	1.8	2.1	2.3	2.4	2.3		1.3	1.8	1.8	2.1	2.0		1.1	36.0
38.0		1.0	1.4	1.4	1.7	1.9	2.1	2.0			1.4	1.4	1.8	1.6			38.0
40.0			1.1	1.1	1.3	1.6	1.7	1.7			1.1	1.0	1.4	1.3			40.0
42.0					1.0	1.3	1.4	1.3					1.1	1.0			42.0
44.0							1.1	1.1									44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	10	10	10	10	10	10	10	10									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	5.1	5.1		4.9	4.5												18.0
20.0	5.1	5.1	4.2	4.9	4.5	3.6	4.0										20.0
22.0	5.1	5.0	4.2	4.7	4.5	3.6	4.0	3.0									22.0
24.0	4.8	5.0	4.2	3.9	4.4	3.6	3.9	3.0									24.0
26.0	4.1	4.3	3.9	3.2	3.6	3.3	3.1	2.5									26.0
28.0	3.4	3.6	3.3	2.5	3.0	2.6	2.4	1.9									28.0
30.0	2.8	3.0	2.7	2.0	2.4	2.1	1.9	1.4									30.0
32.0	2.3	2.5	2.2	1.5	1.9	1.6	1.4										32.0
34.0	1.9	2.1	1.8	1.0	1.5	1.2											34.0
36.0	1.5	1.7	1.4		1.1												36.0
38.0	1.1	1.4	1.1														38.0
40.0		1.0															40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	21.0 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	6.2	6.4	6.4	6.4	6.4	6.3	6.5	6.5	6.5								12.0
14.0	5.7	5.9	5.9	5.9	5.9	5.8	6.1	6.0	6.0	6.0	5.9	5.9	6.2	6.2	6.1	6.0	14.0
16.0	5.3	5.5	5.5	5.5	5.5	5.4	5.7	5.6	5.6	5.6	5.5	5.5	5.8	5.8	5.7	5.7	16.0
18.0	4.9	5.1	5.1	5.1	5.1	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.5	5.4	5.4	5.3	18.0
20.0	4.6	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0	4.9	4.9	4.9	5.2	5.2	5.1	5.1	20.0
22.0	4.3	4.6	4.5	4.5	4.5	4.5	4.7	4.7	4.7	4.7	4.6	4.7	4.9	4.9	4.8	4.8	22.0
24.0	4.1	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.5	4.5	4.4	4.4	4.7	4.7	4.6	4.6	24.0
26.0	3.9	4.1	4.1	4.1	4.1	4.1	4.3	4.3	4.3	4.3	4.2	4.2	4.5	4.5	4.4	4.4	26.0
28.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	4.1	4.1	4.1	4.1	3.9	3.9	4.3	4.2	4.2	28.0
30.0	3.7	3.6	3.8	3.8	3.8	3.8	3.4	3.7	4.0	3.9	3.8	3.6	3.3	3.7	4.1	4.1	30.0
32.0		3.1	3.4	3.6	3.7	3.7	2.8	3.2	3.5	3.8	3.6	3.4	2.8	3.2	3.6	3.7	32.0
34.0		2.6	2.9	3.1	3.2	3.4	2.4	2.8	3.1	3.3	3.4	3.2	2.3	2.8	3.1	3.3	34.0
36.0							2.0	2.4	2.7	2.9	3.0	3.0	1.9	2.4	2.7	2.9	36.0
38.0							1.5	2.0	2.3			2.7	1.4	2.0	2.4	2.5	38.0
40.0													1.0	1.7	2.1	2.2	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	6.0		6.3	6.2													14.0
16.0	5.6	5.6	5.9	5.8	5.8	5.7	5.7	5.7		5.9	5.9	5.8	5.8	5.8			16.0
18.0	5.3	5.3	5.6	5.5	5.5	5.4	5.4	5.4	5.3	5.6	5.6	5.5	5.5	5.5	5.4	5.4	18.0
20.0	5.0	5.0	5.3	5.2	5.2	5.2	5.1	5.1	5.1	5.3	5.3	5.3	5.2	5.2	5.2	5.1	20.0
22.0	4.8	4.8	5.0	5.0	4.9	4.9	4.9	4.9	4.9	5.1	5.1	5.0	5.0	5.0	4.9	4.9	22.0
24.0	4.6	4.6	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.9	4.8	4.8	4.8	4.8	4.7	4.7	24.0
26.0	4.4	4.4	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.7	4.7	4.6	4.6	4.6	4.6	4.6	26.0
28.0	4.2	4.1	3.9	4.4	4.4	4.3	4.3	4.3	4.1	4.0	4.2	4.3	4.4	4.4	4.4	4.3	28.0
30.0	4.1	3.9	3.3	3.8	3.9	4.0	4.1	4.1	3.8	3.4	3.6	3.7	3.9	3.9	4.1	4.0	30.0
32.0	3.8	3.6	2.8	3.3	3.4	3.5	3.6	3.7	3.5	2.9	3.0	3.2	3.4	3.4	3.6	3.6	32.0
34.0	3.4	3.4	2.3	2.8	3.0	3.1	3.2	3.3	3.3	2.4	2.6	2.7	2.9	2.9	3.1	3.1	34.0
36.0	3.0	3.0	1.9	2.5	2.6	2.7	2.8	2.9	2.9	2.0	2.2	2.3	2.5	2.5	2.7	2.7	36.0
38.0	2.6	2.6	1.5	2.1	2.2	2.3	2.4	2.5	2.5	1.6	1.8	2.0	2.2	2.2	2.4	2.4	38.0
40.0	2.3	2.3	1.1	1.8	1.9	2.0	2.1	2.2	2.2	1.2	1.4	1.6	1.8	1.9	2.1	2.1	40.0
42.0		2.0		1.4	1.6	1.7	1.8	1.9	1.9		1.1	1.3	1.5	1.6	1.8	1.8	42.0
44.0				1.1	1.3	1.4	1.5	1.7	1.7				1.2	1.2	1.5	1.5	44.0
46.0									1.4						1.2	1.2	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	5.6	5.6	5.5	5.6	5.5	5.4	5.4		5.7								18.0
20.0	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.4	5.4	5.3	5.3	5.2		5.4		20.0
22.0	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	5.2	5.2	5.1	5.1	5.0	4.8	5.2	5.1	22.0
24.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	5.0	5.0	4.9	4.9	4.8	4.8	4.7	5.0	24.0
26.0	4.4	4.5	4.7	4.7	4.7	4.6	4.6	4.6	4.1	4.4	4.7	4.7	4.7	4.6	3.9	4.3	26.0
28.0	3.7	3.8	4.1	4.1	4.3	4.4	4.5	4.4	3.4	3.7	4.1	4.1	4.3	4.3	3.2	3.6	28.0
30.0	3.1	3.2	3.5	3.5	3.7	3.8	3.9	3.9	2.8	3.1	3.5	3.5	3.7	3.7	2.6	3.0	30.0
32.0	2.6	2.7	3.0	3.0	3.2	3.3	3.4	3.4	2.3	2.6	3.0	2.9	3.2	3.2	2.1	2.5	32.0
34.0	2.1	2.2	2.5	2.5	2.7	2.9	3.0	2.9	1.8	2.1	2.5	2.5	2.8	2.7	1.6	2.0	34.0
36.0	1.7	1.8	2.1	2.1	2.3	2.5	2.6	2.6	1.4	1.6	2.1	2.1	2.4	2.3	1.2	1.5	36.0
38.0	1.2	1.4	1.7	1.7	2.0	2.1	2.2	2.2		1.2	1.7	1.7	2.0	1.9		1.2	38.0
40.0			1.3	1.3	1.6	1.8	1.9	1.9			1.3	1.3	1.7	1.6			40.0
42.0					1.2	1.5	1.6	1.6					1.3	1.3			42.0
44.0						1.2	1.3	1.3					1.0				44.0
46.0							1.0										46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	20	20	20	20	20	20	20	20									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0	5.0	5.0		4.9													22.0
24.0	4.9	4.8	4.2	4.6	4.5		4.0										24.0
26.0	4.6	4.7	4.2	3.8	4.2	3.6	3.8	3.0									26.0
28.0	4.0	4.1	3.8	3.1	3.5	3.2	3.1	2.6									28.0
30.0	3.3	3.5	3.2	2.5	2.9	2.6	2.5	2.0									30.0
32.0	2.8	3.0	2.7	2.0	2.4	2.1	1.9	1.5									32.0
34.0	2.3	2.5	2.2	1.5	1.9	1.6	1.5	1.0									34.0
36.0	1.9	2.1	1.8	1.1	1.5	1.2	1.1										36.0
38.0	1.5	1.7	1.4		1.1												38.0
40.0	1.2	1.4	1.1														40.0
42.0		1.1															42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

HAVHY	21.0 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	5.2																14.0
16.0	4.9	5.0	5.0	5.0	5.0	4.9	5.1	5.1	5.1	5.0	5.0	5.0	5.1	5.1			16.0
18.0	4.6	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.7	4.7	4.9	4.9	4.8	4.8	18.0
20.0	4.3	4.5	4.5	4.5	4.5	4.4	4.6	4.6	4.6	4.5	4.5	4.5	4.7	4.7	4.6	4.6	20.0
22.0	4.1	4.3	4.2	4.2	4.2	4.2	4.4	4.4	4.4	4.3	4.3	4.3	4.5	4.5	4.4	4.4	22.0
24.0	3.9	4.1	4.1	4.1	4.1	4.0	4.2	4.2	4.2	4.2	4.1	4.2	4.3	4.3	4.3	4.2	24.0
26.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.1	4.1	4.1	26.0
28.0	3.7	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.8	4.0	4.0	4.0	4.0	28.0
30.0		3.7	3.7	3.7	3.7	3.7	3.6	3.8	3.8	3.8	3.7	3.6	3.6	3.9	3.9	3.9	30.0
32.0		3.2	3.5	3.7	3.7	3.7	3.0	3.4	3.7	3.7	3.6	3.3	3.0	3.4	3.8	3.8	32.0
34.0							2.5	2.9	3.2	3.4	3.4	3.1	2.5	2.9	3.3	3.4	34.0
36.0							2.1	2.4	2.7	3.0	3.1	3.0	2.1	2.5	2.9	3.0	36.0
38.0													1.6	2.1	2.5	2.6	38.0
40.0													1.1	1.7	2.1	2.2	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8		4.9							18.0
20.0	4.6	4.6	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.6		20.0
22.0	4.4	4.4	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.6	4.5	4.5	4.5	4.5	4.4	4.4	22.0
24.0	4.2	4.2	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.3	4.3	24.0
26.0	4.1	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.3	4.3	4.2	4.2	4.2	4.2	4.2	26.0
28.0	3.9	3.9	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	28.0
30.0	3.8	3.8	3.6	3.9	3.9	3.9	3.9	3.9	3.8	3.7	3.9	4.0	4.0	4.0	4.0	3.9	30.0
32.0	3.7	3.5	3.0	3.5	3.6	3.7	3.8	3.7	3.5	3.2	3.3	3.4	3.6	3.6	3.8	3.6	32.0
34.0	3.5	3.3	2.6	3.0	3.2	3.3	3.4	3.5	3.3	2.7	2.8	2.9	3.1	3.1	3.3	3.3	34.0
36.0	3.1	3.1	2.1	2.6	2.7	2.8	2.9	3.0	3.0	2.2	2.4	2.5	2.7	2.7	2.9	2.9	36.0
38.0	2.7	2.7	1.7	2.2	2.4	2.5	2.6	2.7	2.7	1.9	2.0	2.1	2.3	2.4	2.5	2.5	38.0
40.0	2.3	2.4	1.3	1.9	2.0	2.1	2.2	2.3	2.3	1.4	1.6	1.8	2.0	2.0	2.2	2.2	40.0
42.0				1.5	1.7	1.8	1.9	2.0	2.0	1.1	1.3	1.4	1.7	1.7	1.9	1.9	42.0
44.0				1.2	1.3	1.5	1.6	1.7	1.8			1.1	1.3	1.4	1.6	1.6	44.0
46.0									1.5					1.0	1.3	1.3	46.0
48.0																1.0	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	27.1 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0	4.8	4.7	4.7	4.7	4.7					4.6	4.6	4.5	4.5	4.5			20.0
22.0	4.6	4.6	4.5	4.6	4.5	4.5	4.5			4.6	4.4	4.4	4.4	4.3	4.3	4.4	22.0
24.0	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.5	4.4	4.4	4.4	4.3	4.3	4.5	4.4	24.0
26.0	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.2	4.2	4.3	4.3	26.0
28.0	4.1	4.2	4.1	4.2	4.1	4.1	4.1	4.1	3.9	4.1	4.1	4.2	4.1	4.1	3.8	4.1	28.0
30.0	3.5	3.5	3.8	3.8	4.0	4.0	4.0	4.0	3.3	3.5	3.8	3.8	4.0	4.0	3.1	3.5	30.0
32.0	2.9	3.0	3.2	3.2	3.4	3.6	3.7	3.6	2.7	2.9	3.2	3.2	3.5	3.5	2.5	2.9	32.0
34.0	2.4	2.5	2.8	2.8	2.9	3.1	3.2	3.2	2.2	2.4	2.8	2.8	3.0	3.0	2.0	2.4	34.0
36.0	2.0	2.1	2.3	2.3	2.5	2.7	2.8	2.8	1.7	2.0	2.3	2.3	2.6	2.6	1.6	1.9	36.0
38.0	1.5	1.6	2.0	2.0	2.1	2.3	2.4	2.4	1.3	1.5	2.0	2.0	2.2	2.2	1.1	1.5	38.0
40.0	1.1	1.2	1.6	1.5	1.8	2.0	2.1	2.1		1.2	1.6	1.6	1.9	1.9		1.1	40.0
42.0			1.2	1.2	1.4	1.6	1.8	1.7			1.2	1.2	1.5	1.5			42.0
44.0					1.1	1.3	1.5	1.4					1.2	1.2			44.0
46.0						1.0	1.1	1.1									46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	30	30	30	30	30	30	30	30									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0																	22.0
24.0	4.4	4.4															24.0
26.0	4.2	4.2		4.3	4.2												26.0
28.0	4.1	4.1	4.1	3.7	4.1		3.7										28.0
30.0	3.7	3.8	3.7	3.0	3.4	3.2	3.0										30.0
32.0	3.2	3.3	3.1	2.5	2.9	2.6	2.4	2.0									32.0
34.0	2.7	2.8	2.6	2.0	2.3	2.1	1.9	1.5									34.0
36.0	2.2	2.4	2.2	1.5	1.9	1.6	1.5	1.1									36.0
38.0	1.8	2.0	1.8	1.1	1.5	1.3	1.1										38.0
40.0	1.5	1.6	1.4		1.1												40.0
42.0	1.1	1.3	1.1														42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	4.5																16.0
	18.0	4.3	4.4	4.4	4.4	4.4	4.3	4.4	4.4	4.4	4.4							18.0
	20.0	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.2	4.2	20.0
	22.0	3.9	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.1	22.0
	24.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	24.0
	26.0	3.7	3.8	3.8	3.8	3.8	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	26.0
	28.0	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	28.0
	30.0		3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.7	3.7	3.7	3.7	30.0
	32.0							3.2	3.5	3.7	3.7	3.5	3.3	3.2	3.6	3.7	3.7	32.0
	34.0							2.7	3.0	3.3	3.5	3.4	3.2	2.7	3.1	3.4	3.5	34.0
	36.0													2.2	2.6	3.0	3.1	36.0
	38.0													1.7	2.2	2.5	2.7	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	4.2	4.2	4.3	4.3	4.3	4.2	4.2										20.0
	22.0	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.1	4.1	4.1	4.1		22.0
	24.0	3.9	3.9	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.0	4.0	4.0	4.0	4.0	24.0
	26.0	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	3.9	3.9	3.9	3.9	3.9	26.0
	28.0	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.8	3.8	3.8	3.8	28.0
	30.0	3.7	3.7	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.7	3.7	30.0
	32.0	3.7	3.5	3.3	3.7	3.7	3.7	3.7	3.7	3.5	3.4	3.5	3.6	3.7	3.7	3.7	3.6	32.0
	34.0	3.6	3.3	2.8	3.2	3.3	3.4	3.5	3.5	3.3	2.9	3.0	3.1	3.3	3.3	3.5	3.4	34.0
	36.0	3.2	3.2	2.3	2.8	2.9	3.0	3.1	3.2	3.0	2.4	2.6	2.7	2.8	2.9	3.0	3.1	36.0
	38.0	2.8	2.8	1.9	2.3	2.5	2.6	2.7	2.8	2.8	2.0	2.2	2.3	2.4	2.5	2.6	2.7	38.0
	40.0			1.4	2.0	2.1	2.2	2.3	2.4	2.4	1.6	1.8	1.9	2.1	2.1	2.3	2.3	40.0
	42.0									2.1	1.2	1.4	1.5	1.8	1.8	2.0	2.0	42.0
	44.0												1.2	1.4	1.4	1.7	1.7	44.0
	46.0																1.4	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

油圧チルトジブ

HAVHY	21.0 m	27.1 t	7.7 m x 4.7 m	360°	JPN

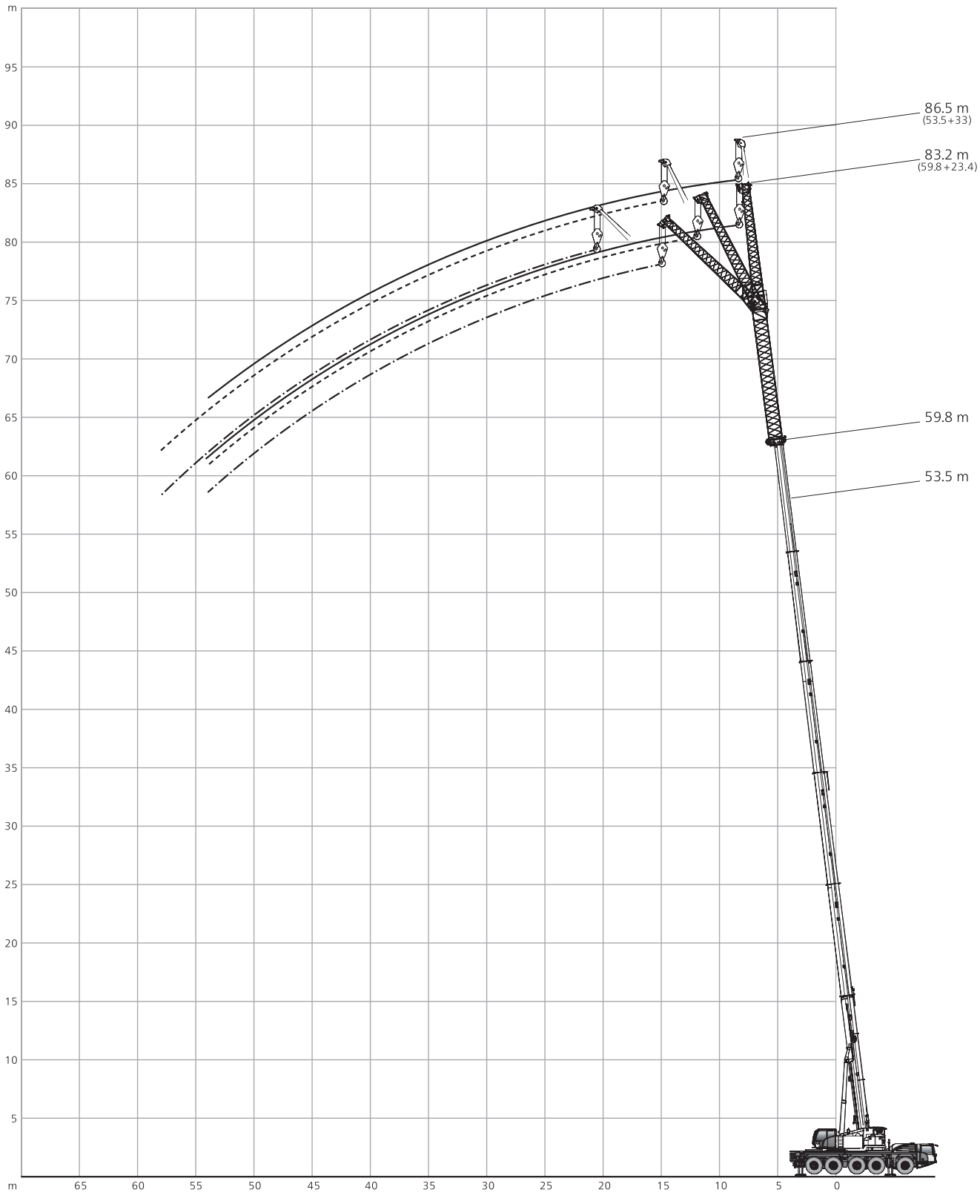
m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0	4.2	4.2	4.1	4.2													22.0
24.0	4.1	4.1	4.0	4.1	4.0	4.0	4.0		4.1	4.1	4.0	4.0					24.0
26.0	4.0	4.0	3.9	4.0	3.9	3.9	3.9	3.9	4.0	4.0	3.9	3.9	3.9	3.9	4.0	4.0	26.0
28.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.8	3.8	3.9	3.9	28.0
30.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.6	3.8	3.8	3.8	3.8	3.8	3.6	3.8	30.0
32.0	3.2	3.3	3.5	3.5	3.6	3.7	3.7	3.7	3.1	3.2	3.5	3.5	3.7	3.7	2.9	3.2	32.0
34.0	2.7	2.7	3.0	3.0	3.1	3.3	3.4	3.4	2.5	2.7	3.0	3.0	3.2	3.2	2.4	2.7	34.0
36.0	2.2	2.3	2.5	2.5	2.7	2.8	2.9	2.9	2.0	2.3	2.6	2.5	2.8	2.8	1.9	2.2	36.0
38.0	1.8	1.9	2.1	2.1	2.3	2.5	2.6	2.5	1.6	1.8	2.2	2.1	2.4	2.4	1.4	1.8	38.0
40.0	1.3	1.4	1.8	1.7	1.9	2.1	2.2	2.2	1.1	1.4	1.8	1.8	2.0	2.0	1.0	1.4	40.0
42.0		1.0	1.4	1.3	1.6	1.8	1.9	1.9			1.4	1.4	1.7	1.7			42.0
44.0					1.2	1.4	1.6	1.5			1.0	1.0	1.3	1.3			44.0
46.0						1.1	1.2	1.2					1.0	1.0			46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	40	40	40	40	40	40	40	40									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0																	22.0
24.0																	24.0
26.0	3.9	3.9															26.0
28.0	3.8	3.8		3.9	3.8												28.0
30.0	3.8	3.8	3.8	3.5	3.8		3.5										30.0
32.0	3.4	3.6	3.5	2.9	3.3	3.1	2.9										32.0
34.0	2.9	3.1	3.0	2.3	2.7	2.5	2.4	2.0									34.0
36.0	2.5	2.6	2.5	1.8	2.2	2.0	1.9	1.5									36.0
38.0	2.1	2.2	2.1	1.4	1.8	1.6	1.5	1.1									38.0
40.0	1.7	1.9	1.7		1.4	1.2	1.1										40.0
42.0	1.3	1.5	1.4		1.0												42.0
44.0		1.1	1.0														44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

オールテレーンクレーン
AC130-5
HAVHY-VA

油圧チルトジブ+ミドルジブ

油圧チルトジブ+ミドルジブ (HAVHY-VA) 作業半径－揚程図



HAVHY-VA（油圧チルトジブ+ミドルジブ）定格総荷重表

■ 定格総荷重表注意事項

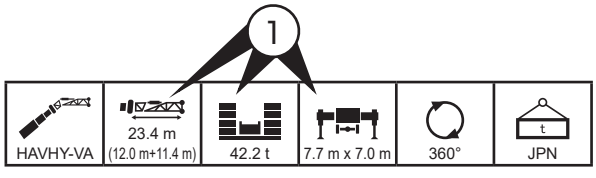
◆定格総荷重は、つり具質量とフック質量（91.8tフック:1,660kg、57.5tフック: 850kg、24.7tフック: 630kg、8.3tフック:350kg）を含んだ値を示します。
◆定格総荷重は、ブームのたわみを含んだ実際の作業半径に基づいています。
◆シングルトップ使用時の巻掛本数は1本（8.3tフック使用）で、定格総荷重はブームの定格総荷重からブームに取り付けられているフックの質量を差し引いた値とし、かつ上限は8.3tです。

定格総荷重表中のシンボル、記号の説明

HA	ブームの定格総荷重を示します。	m	ブーム長さを示します。
HAVHY-VA	油圧チルトジブ (HAVHY-VA) の定格総荷重を示します。		ジブのオフセット角度を示し、ブームの中心線とジブの中心線のなす角度を示します。
	油圧チルトジブ (HAVHY-VA) のジブ長さを示します。	m	作業半径を示します。
	カウンタウエイト（C/W）組合せを示します。	%	ブーム伸縮状態 (伸縮割合 %) を示します。LK-Codeはブーム伸縮状態に対応する番号を示します。
	アウトリガ張出幅を示します。		標準巻掛本数を示します。
360 °	吊上げ可能な旋回範囲を示します。		

■ 定格総荷重表の見方

1. アウトリガ張出幅とカウンタウエイトの質量とジブ長さに応じた性能を選択します。
2. ブーム長さとLK-Codeの欄を見ます。
3. 作業半径の欄を見ます。
4. オフセット角度と作業半径が交差するところが定格総荷重です。



	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0	16.6																4.0
	4.5	16.6																4.5
	5.0	16.6	16.4	16.6	16.6	16.5												5.0
	6.0	15.7	15.6	15.9	15.9	15.7	14.4	15.3	15.5	15.3	13.2							6.0
	7.0	14.7	14.8	15.1	15.0	14.9	13.8	14.7	14.9	14.7	13.1	11.8	10.8	14.2	14.3	12.2		7.0
	8.0	13.5	14.1	14.2	14.1	14.1	13.2	14.1	14.2	14.0	12.8	11.6	10.6	13.7	13.8	12.1	11.0	8.0
	9.0	12.9	13.2	13.2	13.2	13.2	12.5	13.4	13.5	13.4	12.3	11.2	10.4	13.2	13.3	11.9	11.0	9.0
	10.0	11.4	12.3	12.3	12.3	12.2	11.8	12.7	12.8	12.7	11.8	10.7	10.0	12.7	12.8	11.6	10.9	10.0
	12.0	9.8	10.7	10.7	10.7	10.6	10.3	11.3	11.3	11.2	10.7	9.4	8.9	11.6	11.6	10.8	10.3	12.0
	14.0	8.4	9.4		9.3	9.3	9.1	10.1	10.0	10.0	9.6	8.2	7.7	10.5	10.4	9.9	9.4	14.0
	16.0	7.4	8.2		8.2	8.2	8.0	9.0	8.9	8.9	8.6	7.2	6.9	9.5	9.5	9.0	8.4	16.0
	18.0	6.6	7.3		7.3	7.3	7.2	8.0	7.9	7.9	7.7	6.4	6.0	8.6	8.5	8.2	7.6	18.0
	20.0	5.9	6.6	6.6	6.6	6.6	6.5	7.2	7.1	7.1	7.0	5.7	5.4	7.8	7.7	7.5	6.8	20.0
	22.0	5.4	6.0	6.0	6.0	6.0	5.9	6.6	6.5	6.5	6.4	5.1	4.8	7.1	7.0	6.8	6.1	22.0
	24.0	4.9	5.5	5.5	5.5	5.5	5.4	6.0	6.0	6.0	5.9	4.6	4.3	6.5	6.4	6.3	5.5	24.0
	26.0	4.5	5.1	5.1	5.1	5.1	5.0	5.6	5.5	5.5	5.4	4.2	4.0	6.0	6.0	5.8	5.0	26.0
	28.0	4.1	4.7	4.7	4.7	4.7	4.6	5.2	5.2	5.1	5.0	3.9	3.6	5.6	5.6	5.4	4.6	28.0
	30.0	3.9	4.4	4.3	4.3	4.3	4.2	4.8	4.8	4.8	4.7	3.6	3.3	5.2	5.2	5.1	4.2	30.0
	32.0	3.6	4.1	4.0	4.0	4.0	3.9	4.5	4.5	4.5	4.3	3.3	3.1	4.9	4.9	4.8	3.9	32.0
	34.0		3.8	3.8	3.8	3.8	3.7	4.2	4.2	4.2	4.1	3.0	2.8	4.6	4.6	4.5	3.6	34.0
	36.0		3.6	3.6	3.6	3.6	3.5	4.0	3.9	3.9	3.8	2.8	2.6	4.3	4.3	4.2	3.3	36.0
	38.0							3.8	3.7	3.7	3.6	2.6	2.4	4.1	4.0	3.9	3.0	38.0
	40.0							3.6	3.6	3.6	3.5	2.5	2.3	3.9	3.9	3.7	2.8	40.0
	42.0												2.1	3.7	3.7	3.6	2.7	42.0
	44.0													3.6	3.6	3.5	2.5	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

3
4
2

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0	16.6																4.0
4.5	16.6																4.5
5.0	16.6	16.4	16.6	16.6	16.5												5.0
6.0	15.7	15.6	15.9	15.9	15.7	14.4	15.3	15.5	15.3	13.2							6.0
7.0	14.7	14.8	15.1	15.0	14.9	13.8	14.7	14.9	14.7	13.1	11.8	10.8	14.2	14.3	12.2		7.0
8.0	13.5	14.1	14.2	14.1	14.1	13.2	14.1	14.2	14.0	12.8	11.6	10.6	13.7	13.8	12.1	11.0	8.0
9.0	12.3	13.2	13.2	13.2	13.2	12.5	13.4	13.5	13.4	12.3	11.2	10.4	13.2	13.3	11.9	11.0	9.0
10.0	11.4	12.3	12.3	12.3	12.2	11.8	12.7	12.8	12.7	11.8	10.7	10.0	12.7	12.8	11.6	10.9	10.0
12.0	9.8	10.7	10.7	10.7	10.6	10.3	11.3	11.3	11.2	10.7	9.4	8.9	11.6	11.6	10.8	10.3	12.0
14.0	8.4	9.4	9.3	9.3	9.3	9.1	10.1	10.0	10.0	9.6	8.2	7.7	10.5	10.4	9.9	9.4	14.0
16.0	7.4	8.2	8.2	8.2	8.2	8.0	9.0	8.9	8.9	8.6	7.2	6.9	9.5	9.5	9.0	8.4	16.0
18.0	6.6	7.3	7.3	7.3	7.3	7.2	8.0	7.9	7.9	7.7	6.4	6.0	8.6	8.5	8.2	7.6	18.0
20.0	5.9	6.6	6.6	6.6	6.6	6.5	7.2	7.1	7.1	7.0	5.7	5.4	7.8	7.7	7.5	6.8	20.0
22.0	5.4	6.0	6.0	6.0	6.0	5.9	6.6	6.5	6.5	6.4	5.1	4.8	7.1	7.0	6.8	6.1	22.0
24.0	4.9	5.5	5.5	5.5	5.5	5.4	6.0	6.0	6.0	5.9	4.6	4.3	6.5	6.4	6.3	5.5	24.0
26.0	4.5	5.1	5.1	5.1	5.1	5.0	5.6	5.5	5.5	5.4	4.2	4.0	6.0	6.0	5.8	5.0	26.0
28.0	4.1	4.7	4.7	4.7	4.7	4.6	5.2	5.2	5.1	5.0	3.9	3.6	5.6	5.6	5.4	4.6	28.0
30.0	3.9	4.4	4.3	4.3	4.3	4.2	4.8	4.8	4.8	4.7	3.6	3.3	5.2	5.2	5.1	4.2	30.0
32.0	3.6	4.1	4.0	4.0	4.0	3.9	4.5	4.5	4.5	4.3	3.3	3.1	4.9	4.9	4.8	3.9	32.0
34.0		3.8	3.8	3.8	3.8	3.7	4.2	4.2	4.2	4.1	3.0	2.8	4.6	4.6	4.5	3.6	34.0
36.0		3.6	3.6	3.6	3.6	3.5	4.0	3.9	3.9	3.8	2.8	2.6	4.3	4.3	4.2	3.3	36.0
38.0							3.8	3.7	3.7	3.6	2.6	2.4	4.1	4.0	3.9	3.0	38.0
40.0							3.6	3.6	3.6	3.5	2.5	2.3	3.9	3.9	3.7	2.8	40.0
42.0												2.1	3.7	3.7	3.6	2.7	42.0
44.0													3.6	3.6	3.5	2.5	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	10.2	9.4	12.9	11.3	10.6												8.0
9.0	10.2	9.3	12.6	11.2	10.5	9.9	9.4	8.4	7.3	10.2	10.1	9.6	8.9				9.0
10.0	10.1	9.1	12.3	11.1	10.4	9.8	9.4	8.4	7.3	10.1	10.0	9.6	8.9	8.5	7.5	6.5	10.0
12.0	9.5	8.8	11.5	10.7	10.2	9.7	9.2	8.4	7.3	9.9	9.9	9.4	8.8	8.5	7.5	6.5	12.0
14.0	8.5	8.1	10.7	10.0	9.7	9.3	8.8	8.1	7.2	9.7	9.6	9.3	8.5	8.4	7.5	6.5	14.0
16.0	7.5	7.1	9.8	9.3	9.0	8.5	7.9	7.4	7.0	9.2	9.1	8.9	8.1	8.2	7.3	6.4	16.0
18.0	6.8	6.4	9.0	8.6	8.4	7.8	7.1	6.7	6.4	8.7	8.6	8.4	7.4	7.7	6.8	6.3	18.0
20.0	6.1	5.8	8.2	7.9	7.8	7.1	6.5	6.1	5.7	8.1	8.1	7.9	6.8	7.1	6.2	5.8	20.0
22.0	5.5	5.2	7.5	7.3	7.2	6.4	5.9	5.5	5.2	7.6	7.5	7.4	6.2	6.6	5.7	5.3	22.0
24.0	5.0	4.7	6.9	6.7	6.6	5.8	5.4	5.0	4.6	7.1	7.0	6.9	5.7	6.0	5.2	4.9	24.0
26.0	4.6	4.3	6.4	6.2	6.1	5.3	4.9	4.5	4.2	6.6	6.5	6.4	5.2	5.5	4.8	4.4	26.0
28.0	4.2	3.9	6.0	5.8	5.6	4.9	4.5	4.1	3.8	6.1	6.1	6.0	4.8	5.1	4.3	4.0	28.0
30.0	3.9	3.6	5.6	5.4	5.2	4.5	4.2	3.7	3.4	5.8	5.7	5.6	4.5	4.7	4.0	3.7	30.0
32.0	3.6	3.4	5.3	5.1	4.8	4.2	3.9	3.4	3.1	5.4	5.4	5.2	4.2	4.3	3.7	3.4	32.0
34.0	3.4	3.1	5.0	4.8	4.4	3.9	3.6	3.2	2.9	5.1	5.1	4.8	3.9	3.9	3.4	3.1	34.0
36.0	3.1	2.9	4.7	4.5	4.1	3.6	3.4	2.9	2.6	4.9	4.8	4.4	3.7	3.6	3.1	2.8	36.0
38.0	2.9	2.7	4.4	4.3	3.8	3.4	3.2	2.7	2.4	4.6	4.6	4.1	3.4	3.3	2.9	2.6	38.0
40.0	2.7	2.5	4.2	4.0	3.5	3.1	3.0	2.5	2.2	4.4	4.4	3.8	3.2	3.1	2.7	2.4	40.0
42.0	2.6	2.4	4.0	3.8	3.2	2.9	2.8	2.3	2.0	4.1	4.1	3.6	3.0	2.8	2.5	2.2	42.0
44.0	2.5	2.2	3.7	3.7	3.0	2.7	2.7	2.1	1.8	3.8	3.9	3.3	2.9	2.6	2.3	2.0	44.0
46.0		2.1	3.3	3.5	2.8	2.6	2.5	2.0	1.7	3.4	3.6	3.1	2.7	2.4	2.2	1.9	46.0
48.0			2.9	3.4	2.7	2.5	2.4	1.8	1.6	3.0	3.2	2.9	2.6	2.2	2.0	1.7	48.0
50.0									1.5	2.7	2.9	2.8	2.5	2.1	1.9	1.6	50.0
54.0																1.5	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0	9.2	8.9	8.1														10.0
	12.0	9.0	8.8	8.1	8.6	7.8	7.2	6.6	5.4	7.9	7.4	6.5	6.9	6.0				12.0
	14.0	8.9	8.7	8.0	8.5	7.8	7.2	6.6	5.4	7.8	7.4	6.5	6.9	6.0	4.9	6.4	5.9	14.0
	16.0	8.8	8.6	7.9	8.4	7.8	7.2	6.6	5.4	7.7	7.4	6.5	6.9	6.0	4.9	6.4	5.9	16.0
	18.0	8.5	8.3	7.5	8.2	7.6	6.9	6.6	5.4	7.6	7.3	6.5	6.9	6.0	4.9	6.4	5.9	18.0
	20.0	8.1	8.0	7.0	7.8	7.2	6.4	6.2	5.4	7.5	7.2	6.3	6.8	6.0	4.9	6.4	5.9	20.0
	22.0	7.7	7.6	6.5	7.4	6.7	5.9	5.8	5.3	7.3	7.1	5.9	6.6	5.8	4.9	6.4	5.9	22.0
	24.0	7.2	7.2	6.0	7.0	6.2	5.5	5.4	5.0	7.1	6.9	5.5	6.2	5.4	4.9	6.4	5.9	24.0
	26.0	6.8	6.7	5.6	6.6	5.8	5.0	5.0	4.7	6.7	6.6	5.2	5.8	5.1	4.7	6.3	5.7	26.0
	28.0	6.3	6.3	5.1	6.2	5.3	4.6	4.6	4.3	6.4	6.3	4.8	5.5	4.7	4.4	6.1	5.5	28.0
	30.0	6.0	6.0	4.8	5.8	4.9	4.3	4.2	4.0	6.1	5.9	4.5	5.1	4.4	4.1	5.9	5.2	30.0
	32.0	5.6	5.6	4.4	5.4	4.5	3.9	3.9	3.6	5.8	5.6	4.1	4.7	4.1	3.8	5.6	4.9	32.0
	34.0	5.3	5.3	4.2	5.0	4.2	3.6	3.6	3.3	5.5	5.2	3.9	4.4	3.8	3.5	5.3	4.6	34.0
	36.0	5.1	5.1	3.9	4.7	3.9	3.4	3.3	3.1	5.2	4.9	3.6	4.1	3.5	3.3	5.0	4.3	36.0
	38.0	4.8	4.8	3.7	4.4	3.6	3.2	3.0	2.8	4.6	4.6	3.4	3.8	3.3	3.0	4.5	4.0	38.0
	40.0	4.3	4.4	3.5	4.1	3.3	2.9	2.8	2.6	4.0	4.3	3.1	3.6	3.0	2.8	3.9	3.8	40.0
	42.0	3.8	3.9	3.3	3.8	3.1	2.7	2.6	2.4	3.5	3.8	2.9	3.3	2.8	2.6	3.4	3.5	42.0
	44.0	3.3	3.5	3.1	3.5	2.9	2.6	2.4	2.2	3.0	3.3	2.8	3.1	2.6	2.4	2.9	3.3	44.0
	46.0	2.9	3.0	3.0	3.3	2.6	2.4	2.2	2.0	2.6	2.9	2.6	2.9	2.4	2.2	2.5	2.9	46.0
	48.0	2.5	2.7	2.8	3.0	2.5	2.2	2.0	1.8	2.2	2.5	2.4	2.7	2.2	2.0	2.1	2.5	48.0
	50.0	2.2	2.3	2.7	2.7	2.3	2.1	1.8	1.6	1.9	2.2	2.3	2.5	2.0	1.8	1.8	2.1	50.0
	54.0	1.6	1.7	2.1	2.1	2.0	1.9	1.6	1.4	1.3	1.6	2.0	2.0	1.7	1.5	1.2	1.5	54.0
	58.0								1.1		1.0	1.5	1.5	1.5	1.3		1.0	58.0
	62.0														1.1			62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	0	0	0	0	0	0	0	0									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	5.4	5.3		5.1	4.6												14.0
	16.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9										16.0
	18.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									18.0
	20.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									20.0
	22.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									22.0
	24.0	5.3	5.2	4.1	5.1	4.6	3.4	3.9	2.7									24.0
	26.0	5.0	5.0	4.1	5.1	4.6	3.4	3.9	2.7									26.0
	28.0	4.7	4.7	4.1	5.1	4.6	3.4	3.9	2.7									28.0
	30.0	4.5	4.4	4.0	5.1	4.4	3.4	3.9	2.7									30.0
	32.0	4.2	4.2	3.9	4.9	4.2	3.4	3.9	2.7									32.0
	34.0	3.9	3.9	3.7	4.6	4.0	3.4	3.9	2.7									34.0
	36.0	3.7	3.6	3.4	4.3	3.7	3.4	3.7	2.7									36.0
	38.0	3.4	3.4	3.2	4.1	3.5	3.2	3.5	2.7									38.0
	40.0	3.2	3.2	3.0	3.8	3.3	3.0	3.3	2.7									40.0
	42.0	3.0	3.0	2.8	3.4	3.1	2.9	3.2	2.7									42.0
	44.0	2.8	2.8	2.6	2.9	2.9	2.7	3.0	2.6									44.0
	46.0	2.6	2.6	2.4	2.5	2.7	2.5	2.6	2.3									46.0
	48.0	2.4	2.4	2.2	2.1	2.6	2.3	2.2	1.9									48.0
	50.0	2.2	2.2	2.1	1.8	2.2	2.1	1.9	1.6									50.0
	54.0	1.9	1.9	1.7	1.2	1.6	1.5	1.3	1.1									54.0
	58.0	1.4	1.5	1.4		1.1												58.0
	62.0		1.1															62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	13.5		14.1														7.0
8.0	12.4	13.0	13.0	13.0	13.0	12.5	13.2	13.4	13.2								8.0
9.0	11.4	12.1	12.1	12.0	12.0	11.7	12.5	12.5	12.4	11.7	11.0		12.5	12.5			9.0
10.0	10.5	11.2	11.2	11.2	11.2	10.9	11.7	11.7	11.6	11.1	10.4	9.9	11.9	11.9	11.1	10.5	10.0
12.0	9.2	9.8	9.8	9.8	9.8	9.6	10.3	10.3	10.2	9.9	9.0	8.6	10.7	10.6	10.1	9.8	12.0
14.0	8.1	8.7	8.7	8.7	8.7	8.5	9.2	9.1	9.1	8.9	7.9	7.5	9.6	9.5	9.2	9.0	14.0
16.0	7.1	7.8	7.8	7.7	7.7	7.6	8.3	8.3	8.2	8.0	7.0	6.6	8.7	8.6	8.3	8.2	16.0
18.0	6.3	7.0	6.9	6.9	6.9	6.8	7.5	7.5	7.5	7.3	6.3	6.0	8.0	7.9	7.6	7.4	18.0
20.0	5.8	6.3	6.3	6.3	6.3	6.2	6.8	6.8	6.8	6.6	5.6	5.3	7.3	7.2	7.0	6.7	20.0
22.0	5.2	5.8	5.8	5.8	5.8	5.7	6.2	6.2	6.2	6.1	5.0	4.8	6.7	6.6	6.5	6.0	22.0
24.0	4.8	5.3	5.3	5.3	5.3	5.2	5.8	5.7	5.7	5.6	4.6	4.3	6.2	6.1	6.0	5.4	24.0
26.0	4.4	5.0	4.9	4.9	4.9	4.8	5.4	5.3	5.3	5.2	4.2	3.9	5.7	5.7	5.6	5.0	26.0
28.0	4.1	4.6	4.5	4.5	4.6	4.5	5.0	5.0	4.9	4.9	3.8	3.6	5.4	5.3	5.2	4.6	28.0
30.0	3.8	4.3	4.2	4.2	4.2	4.2	4.7	4.6	4.6	4.6	3.6	3.3	5.0	5.0	4.9	4.2	30.0
32.0	3.6	4.0	4.0	4.0	4.0	3.9	4.4	4.3	4.3	4.3	3.3	3.0	4.7	4.7	4.6	3.9	32.0
34.0		3.8	3.7	3.8	3.8	3.7	4.1	4.1	4.1	4.0	3.0	2.8	4.5	4.4	4.3	3.6	34.0
36.0		3.6	3.6	3.6	3.6	3.5	3.9	3.9	3.9	3.8	2.8	2.6	4.2	4.2	4.1	3.3	36.0
38.0							3.7	3.7	3.7	3.6	2.6	2.4	4.0	4.0	3.9	3.0	38.0
40.0							3.6	3.6	3.6	3.4	2.5	2.3	3.8	3.8	3.7	2.8	40.0
42.0												2.1	3.7	3.6	3.6	2.7	42.0
44.0													3.6	3.5	3.4	2.5	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0			11.7														10.0
12.0	9.2	8.7	10.8	10.2	9.8	9.4	9.1	8.4	7.3	9.8	9.7	9.4	8.8				12.0
14.0	8.1	7.7	9.8	9.4	9.2	8.9	8.4	8.1	7.2	9.3	9.3	9.0	8.4	8.4	7.5	6.5	14.0
16.0	7.3	6.9	9.0	8.6	8.5	8.3	7.5	7.4	7.0	8.7	8.6	8.5	7.8	8.0	7.3	6.4	16.0
18.0	6.5	6.2	8.2	7.9	7.8	7.6	6.8	6.7	6.3	8.1	8.0	7.9	7.1	7.5	6.7	6.3	18.0
20.0	5.9	5.6	7.6	7.3	7.2	6.9	6.2	6.0	5.7	7.5	7.5	7.4	6.5	7.0	6.2	5.8	20.0
22.0	5.4	5.1	7.0	6.8	6.7	6.3	5.7	5.5	5.1	7.1	7.0	6.9	6.0	6.4	5.6	5.3	22.0
24.0	4.9	4.6	6.5	6.3	6.3	5.8	5.2	5.0	4.7	6.6	6.5	6.5	5.5	5.9	5.2	4.8	24.0
26.0	4.5	4.2	6.0	5.9	5.8	5.3	4.8	4.5	4.2	6.2	6.1	6.1	5.1	5.5	4.7	4.4	26.0
28.0	4.1	3.9	5.7	5.5	5.4	4.8	4.4	4.1	3.8	5.8	5.7	5.7	4.7	5.1	4.3	4.0	28.0
30.0	3.8	3.6	5.3	5.2	5.0	4.5	4.1	3.8	3.4	5.5	5.4	5.3	4.4	4.7	4.0	3.7	30.0
32.0	3.6	3.3	5.0	4.9	4.7	4.2	3.8	3.4	3.1	5.2	5.1	5.0	4.1	4.3	3.7	3.4	32.0
34.0	3.3	3.1	4.7	4.6	4.4	3.8	3.6	3.2	2.9	4.9	4.9	4.7	3.8	4.0	3.4	3.1	34.0
36.0	3.1	2.9	4.5	4.4	4.1	3.6	3.4	2.9	2.6	4.7	4.6	4.4	3.6	3.6	3.1	2.8	36.0
38.0	2.9	2.7	4.3	4.2	3.8	3.3	3.1	2.7	2.4	4.4	4.4	4.1	3.4	3.3	2.9	2.6	38.0
40.0	2.7	2.5	4.0	4.0	3.5	3.1	2.9	2.5	2.2	4.2	4.2	3.8	3.2	3.1	2.7	2.4	40.0
42.0	2.6	2.4	3.9	3.8	3.2	2.9	2.8	2.3	2.0	4.0	4.0	3.5	3.0	2.8	2.5	2.2	42.0
44.0	2.5	2.2	3.7	3.6	3.0	2.7	2.6	2.1	1.9	3.9	3.9	3.3	2.8	2.6	2.3	2.1	44.0
46.0		2.1	3.4	3.5	2.8	2.6	2.5	2.0	1.7	3.5	3.7	3.1	2.7	2.4	2.2	1.9	46.0
48.0			3.0	3.4	2.7	2.5	2.4	1.8	1.6	3.1	3.3	2.9	2.6	2.2	2.0	1.8	48.0
50.0									1.5	2.7	3.0	2.8	2.5	2.1	1.9	1.6	50.0
54.0																1.5	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	8.9	8.7	8.1	8.5	7.8	7.2	6.6		7.8								14.0
	16.0	8.5	8.4	7.8	8.2	7.8	7.2	6.6	5.4	7.7	7.4	6.5	6.9	6.0	4.9	6.4	5.9	16.0
	18.0	8.1	8.0	7.2	7.8	7.4	6.8	6.6	5.4	7.6	7.3	6.5	6.9	6.0	4.9	6.4	5.9	18.0
	20.0	7.6	7.5	6.7	7.4	7.0	6.3	6.1	5.4	7.3	7.1	6.2	6.8	6.0	4.9	6.4	5.9	20.0
	22.0	7.1	7.1	6.2	7.0	6.5	5.8	5.7	5.3	7.0	6.9	5.8	6.5	5.7	4.9	6.4	5.9	22.0
	24.0	6.7	6.7	5.7	6.6	6.1	5.4	5.3	5.0	6.7	6.6	5.5	6.1	5.3	4.9	6.3	5.9	24.0
	26.0	6.3	6.3	5.3	6.2	5.7	5.0	4.9	4.6	6.3	6.2	5.1	5.7	5.0	4.7	6.1	5.6	26.0
	28.0	6.0	6.0	5.0	5.9	5.3	4.6	4.5	4.2	6.0	6.0	4.7	5.4	4.7	4.3	5.9	5.4	28.0
	30.0	5.6	5.6	4.6	5.6	4.9	4.2	4.2	3.9	5.7	5.7	4.4	5.0	4.3	4.0	5.6	5.1	30.0
	32.0	5.3	5.3	4.3	5.2	4.5	3.9	3.9	3.6	5.4	5.4	4.1	4.7	4.0	3.8	5.4	4.8	32.0
	34.0	5.1	5.1	4.1	4.9	4.2	3.6	3.6	3.3	5.2	5.1	3.8	4.4	3.7	3.5	5.1	4.5	34.0
	36.0	4.8	4.8	3.8	4.6	3.9	3.4	3.3	3.1	4.9	4.9	3.5	4.1	3.5	3.2	4.9	4.2	36.0
	38.0	4.6	4.6	3.6	4.3	3.6	3.1	3.0	2.8	4.7	4.6	3.3	3.8	3.2	3.0	4.7	4.0	38.0
	40.0	4.4	4.4	3.4	4.1	3.3	2.9	2.8	2.6	4.2	4.4	3.1	3.6	3.0	2.8	4.1	3.7	40.0
	42.0	4.0	4.1	3.2	3.8	3.1	2.7	2.6	2.4	3.7	4.0	2.9	3.3	2.8	2.6	3.6	3.5	42.0
	44.0	3.5	3.6	3.1	3.5	2.9	2.5	2.4	2.2	3.2	3.5	2.7	3.1	2.6	2.4	3.1	3.3	44.0
	46.0	3.1	3.2	2.9	3.3	2.7	2.4	2.2	2.0	2.8	3.0	2.6	2.9	2.4	2.2	2.7	3.0	46.0
	48.0	2.7	2.8	2.8	3.0	2.5	2.2	2.0	1.9	2.4	2.6	2.4	2.7	2.2	2.0	2.3	2.6	48.0
	50.0	2.3	2.4	2.6	2.8	2.3	2.1	1.8	1.7	2.0	2.3	2.3	2.5	2.0	1.9	1.9	2.3	50.0
	54.0	1.7	1.8	2.2	2.1	2.0	1.9	1.6	1.4	1.4	1.6	2.0	2.1	1.7	1.6	1.3	1.6	54.0
	58.0								1.1		1.1	1.6	1.6	1.5	1.3		1.1	58.0
	62.0														1.1			62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	10	10	10	10	10	10	10	10									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	5.4	5.3															16.0
	18.0	5.4	5.3	4.1	5.1	4.6		3.9										18.0
	20.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									20.0
	22.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									22.0
	24.0	5.2	5.2	4.1	5.1	4.6	3.4	3.9	2.7									24.0
	26.0	4.9	4.9	4.1	5.1	4.6	3.4	3.9	2.7									26.0
	28.0	4.7	4.6	4.1	5.1	4.6	3.4	3.9	2.7									28.0
	30.0	4.4	4.3	4.0	5.0	4.3	3.4	3.9	2.7									30.0
	32.0	4.1	4.1	3.8	4.8	4.1	3.4	3.9	2.7									32.0
	34.0	3.9	3.8	3.6	4.6	3.9	3.4	3.9	2.7									34.0
	36.0	3.6	3.6	3.4	4.3	3.7	3.4	3.7	2.7									36.0
	38.0	3.4	3.4	3.2	4.1	3.5	3.2	3.5	2.7									38.0
	40.0	3.2	3.2	3.0	3.8	3.3	3.0	3.3	2.7									40.0
	42.0	3.0	2.9	2.8	3.6	3.1	2.9	3.1	2.7									42.0
	44.0	2.8	2.8	2.6	3.1	2.9	2.7	3.0	2.7									44.0
	46.0	2.6	2.6	2.4	2.7	2.7	2.5	2.8	2.5									46.0
	48.0	2.4	2.4	2.2	2.3	2.6	2.3	2.4	2.1									48.0
	50.0	2.2	2.2	2.1	1.9	2.4	2.2	2.0	1.8									50.0
	54.0	1.9	1.9	1.7	1.3	1.7	1.6	1.4	1.2									54.0
	58.0	1.4	1.6	1.4		1.2	1.1											58.0
	62.0		1.2	1.0														62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	10.6	11.0	11.0	11.0	11.0												9.0
10.0	9.9	10.3	10.3	10.3	10.3	10.1	10.6	10.6	10.6								10.0
12.0	8.6	9.1	9.1	9.1	9.1	8.9	9.5	9.5	9.4	9.2	8.7	8.3	9.8	9.7	9.4	9.2	12.0
14.0	7.7	8.2	8.1	8.1	8.1	8.0	8.5	8.5	8.5	8.3	7.7	7.3	8.8	8.8	8.5	8.4	14.0
16.0	6.8	7.4	7.4	7.4	7.3	7.2	7.7	7.7	7.7	7.5	6.8	6.5	8.1	8.0	7.8	7.6	16.0
18.0	6.2	6.7	6.6	6.6	6.6	6.6	7.1	7.1	7.0	6.9	6.1	5.8	7.4	7.4	7.1	7.1	18.0
20.0	5.6	6.1	6.1	6.1	6.0	6.0	6.5	6.5	6.4	6.3	5.5	5.2	6.8	6.8	6.6	6.5	20.0
22.0	5.1	5.6	5.6	5.6	5.6	5.5	6.0	5.9	5.9	5.8	5.0	4.7	6.3	6.3	6.1	5.9	22.0
24.0	4.7	5.2	5.1	5.1	5.1	5.1	5.6	5.5	5.5	5.4	4.5	4.3	5.9	5.8	5.7	5.4	24.0
26.0	4.4	4.8	4.8	4.8	4.8	4.7	5.2	5.1	5.1	5.1	4.2	3.9	5.5	5.5	5.3	5.0	26.0
28.0	4.0	4.5	4.5	4.5	4.5	4.4	4.8	4.8	4.8	4.7	3.8	3.6	5.2	5.1	5.0	4.6	28.0
30.0	3.8	4.2	4.2	4.2	4.2	4.1	4.6	4.5	4.5	4.5	3.5	3.3	4.9	4.8	4.7	4.2	30.0
32.0	3.6	4.0	3.9	3.9	3.9	3.9	4.3	4.3	4.2	4.2	3.3	3.0	4.6	4.6	4.5	3.9	32.0
34.0		3.8	3.7	3.7	3.7	3.7	4.1	4.0	4.0	4.0	3.0	2.8	4.3	4.3	4.3	3.6	34.0
36.0		3.6	3.6	3.6	3.6	3.5	3.9	3.8	3.8	3.8	2.8	2.6	4.1	4.1	4.0	3.3	36.0
38.0							3.7	3.7	3.7	3.6	2.6	2.4	3.9	3.9	3.8	3.1	38.0
40.0							3.6	3.5	3.5	3.4	2.5	2.3	3.8	3.7	3.7	2.8	40.0
42.0													3.6	3.6	3.5	2.7	42.0
44.0													3.5	3.5	3.4	2.5	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0			9.9														12.0
14.0	7.8	7.5	9.0	8.7	8.5	8.4	8.0	7.8		8.7	8.7	8.5	8.1				14.0
16.0	7.0	6.7	8.3	8.0	7.9	7.8	7.2	7.1	6.7	8.1	8.1	7.9	7.4	7.7	7.2	6.4	16.0
18.0	6.4	6.0	7.6	7.4	7.3	7.2	6.6	6.5	6.1	7.5	7.5	7.4	6.8	7.2	6.6	6.2	18.0
20.0	5.8	5.5	7.1	6.8	6.8	6.7	6.0	5.9	5.6	7.0	7.0	6.9	6.2	6.7	6.0	5.7	20.0
22.0	5.3	5.0	6.6	6.4	6.3	6.2	5.5	5.4	5.1	6.6	6.5	6.5	5.7	6.3	5.6	5.2	22.0
24.0	4.8	4.5	6.2	6.0	5.9	5.7	5.1	4.9	4.6	6.2	6.2	6.1	5.3	5.8	5.1	4.8	24.0
26.0	4.4	4.2	5.8	5.6	5.6	5.2	4.7	4.5	4.2	5.8	5.8	5.8	4.9	5.4	4.7	4.4	26.0
28.0	4.1	3.8	5.4	5.3	5.2	4.8	4.3	4.1	3.8	5.5	5.5	5.4	4.6	5.0	4.3	4.0	28.0
30.0	3.8	3.6	5.1	5.0	4.9	4.4	4.1	3.8	3.5	5.2	5.2	5.1	4.3	4.6	4.0	3.7	30.0
32.0	3.5	3.3	4.8	4.7	4.7	4.1	3.8	3.5	3.2	5.0	4.9	4.8	4.0	4.3	3.7	3.4	32.0
34.0	3.3	3.1	4.6	4.5	4.4	3.8	3.5	3.2	2.9	4.7	4.7	4.6	3.8	4.0	3.4	3.1	34.0
36.0	3.1	2.8	4.4	4.3	4.1	3.6	3.3	2.9	2.7	4.5	4.5	4.3	3.5	3.6	3.1	2.9	36.0
38.0	2.9	2.7	4.2	4.1	3.8	3.3	3.1	2.7	2.4	4.3	4.3	4.1	3.3	3.4	2.9	2.6	38.0
40.0	2.7	2.5	4.0	3.9	3.5	3.1	2.9	2.5	2.2	4.1	4.1	3.8	3.2	3.1	2.7	2.4	40.0
42.0	2.6	2.4	3.8	3.8	3.3	2.9	2.8	2.3	2.0	4.0	4.0	3.6	3.0	2.8	2.5	2.2	42.0
44.0	2.4	2.2	3.7	3.6	3.0	2.7	2.6	2.1	1.9	3.8	3.8	3.3	2.8	2.6	2.3	2.1	44.0
46.0			3.5	3.5	2.8	2.6	2.5	2.0	1.7	3.6	3.6	3.1	2.7	2.4	2.2	1.9	46.0
48.0			3.0	3.4	2.6	2.5	2.4	1.8	1.6	3.2	3.4	2.9	2.6	2.2	2.0	1.8	48.0
50.0									1.5	2.8	3.0	2.8	2.5	2.1	1.9	1.6	50.0
54.0																1.4	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	8.0	8.0	7.5	7.8	7.4	7.0											16.0
	18.0	7.6	7.5	6.9	7.4	7.2	6.7	6.4	5.4	7.2	6.9	6.3	6.6	6.0		6.2	5.8	18.0
	20.0	7.1	7.1	6.4	7.0	6.8	6.2	6.1	5.4	7.0	6.7	6.1	6.4	5.9	4.9	6.1	5.7	20.0
	22.0	6.7	6.7	5.9	6.6	6.4	5.7	5.6	5.3	6.6	6.5	5.7	6.3	5.6	4.9	6.0	5.6	22.0
	24.0	6.3	6.3	5.5	6.2	6.0	5.3	5.2	4.9	6.3	6.2	5.4	6.0	5.3	4.9	5.9	5.5	24.0
	26.0	6.0	5.9	5.1	5.9	5.5	4.9	4.8	4.6	6.0	5.9	5.0	5.6	4.9	4.6	5.7	5.4	26.0
	28.0	5.6	5.6	4.8	5.6	5.2	4.5	4.5	4.2	5.7	5.6	4.7	5.3	4.6	4.3	5.6	5.3	28.0
	30.0	5.4	5.3	4.5	5.3	4.8	4.2	4.1	3.9	5.4	5.4	4.3	4.9	4.3	4.0	5.4	5.0	30.0
	32.0	5.1	5.1	4.2	5.0	4.5	3.9	3.8	3.6	5.2	5.2	4.0	4.6	4.0	3.7	5.2	4.7	32.0
	34.0	4.8	4.8	4.0	4.8	4.2	3.6	3.6	3.3	4.9	4.9	3.8	4.4	3.7	3.5	5.0	4.5	34.0
	36.0	4.6	4.6	3.8	4.5	3.9	3.3	3.3	3.1	4.7	4.7	3.5	4.1	3.5	3.2	4.8	4.2	36.0
	38.0	4.4	4.4	3.6	4.3	3.6	3.1	3.1	2.8	4.5	4.5	3.3	3.8	3.2	3.0	4.6	4.0	38.0
	40.0	4.3	4.3	3.4	4.0	3.3	2.9	2.8	2.6	4.4	4.2	3.1	3.6	3.0	2.8	4.3	3.7	40.0
	42.0	4.1	4.1	3.2	3.8	3.1	2.7	2.6	2.5	3.9	4.0	2.9	3.3	2.8	2.6	3.8	3.5	42.0
	44.0	3.6	3.7	3.0	3.5	2.9	2.5	2.4	2.3	3.4	3.6	2.7	3.1	2.6	2.4	3.3	3.3	44.0
	46.0	3.2	3.3	2.9	3.3	2.7	2.4	2.2	2.1	2.9	3.2	2.6	2.9	2.4	2.2	2.8	3.1	46.0
	48.0	2.8	2.9	2.8	3.1	2.5	2.2	2.0	1.9	2.5	2.8	2.4	2.7	2.2	2.1	2.4	2.8	48.0
	50.0	2.4	2.5	2.6	2.9	2.3	2.1	1.8	1.7	2.1	2.4	2.3	2.5	2.0	1.9	2.0	2.4	50.0
	54.0	1.7	1.8	2.2	2.2	2.0	1.9	1.6	1.4	1.5	1.7	2.0	2.2	1.7	1.6	1.4	1.7	54.0
	58.0								1.1		1.2	1.6	1.6	1.5	1.3		1.2	58.0
	62.0														1.1			62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	20	20	20	20	20	20	20	20									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	5.4	5.3		5.1	4.6												20.0
	22.0	5.3	5.3	4.1	5.1	4.6	3.4	3.9										22.0
	24.0	5.2	5.1	4.1	5.0	4.6	3.4	3.9	2.7									24.0
	26.0	4.9	4.8	4.1	5.0	4.6	3.4	3.9	2.7									26.0
	28.0	4.6	4.6	4.1	4.9	4.5	3.4	3.9	2.7									28.0
	30.0	4.3	4.3	4.0	4.8	4.3	3.4	3.9	2.7									30.0
	32.0	4.1	4.0	3.8	4.7	4.1	3.4	3.9	2.7									32.0
	34.0	3.8	3.8	3.5	4.5	3.8	3.4	3.8	2.7									34.0
	36.0	3.6	3.6	3.3	4.3	3.6	3.4	3.6	2.7									36.0
	38.0	3.4	3.3	3.1	4.0	3.4	3.2	3.5	2.7									38.0
	40.0	3.2	3.1	2.9	3.8	3.3	3.0	3.3	2.7									40.0
	42.0	3.0	2.9	2.7	3.6	3.1	2.9	3.1	2.7									42.0
	44.0	2.8	2.7	2.6	3.3	2.9	2.7	3.0	2.7									44.0
	46.0	2.6	2.6	2.4	2.9	2.7	2.5	2.8	2.6									46.0
	48.0	2.4	2.4	2.2	2.4	2.5	2.4	2.5	2.3									48.0
	50.0	2.3	2.2	2.1	2.1	2.4	2.2	2.2	2.0									50.0
	54.0	1.9	1.9	1.8	1.4	1.8	1.7	1.5	1.3									54.0
	58.0	1.5	1.6	1.5		1.3	1.2											58.0
	62.0	1.0	1.2	1.1														62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	9.4																10.0
12.0	8.2	8.6	8.6	8.6	8.6	8.4	8.8	8.8	8.8	8.6							12.0
14.0	7.4	7.8	7.7	7.7	7.7	7.6	8.0	8.0	8.0	7.8	7.5	7.2	8.2	8.2	8.0	7.9	14.0
16.0	6.6	7.0	7.0	7.0	7.0	6.9	7.3	7.3	7.3	7.1	6.7	6.4	7.6	7.5	7.3	7.2	16.0
18.0	6.0	6.4	6.4	6.4	6.4	6.3	6.8	6.7	6.7	6.6	6.0	5.7	7.0	6.9	6.8	6.7	18.0
20.0	5.5	5.9	5.9	5.9	5.9	5.8	6.2	6.2	6.2	6.1	5.5	5.2	6.5	6.5	6.3	6.2	20.0
22.0	5.0	5.5	5.4	5.4	5.4	5.4	5.8	5.7	5.7	5.6	5.0	4.7	6.1	6.0	5.9	5.8	22.0
24.0	4.7	5.1	5.0	5.0	5.0	5.0	5.4	5.4	5.3	5.3	4.5	4.3	5.7	5.6	5.5	5.4	24.0
26.0	4.3	4.7	4.7	4.7	4.7	4.7	5.0	5.0	5.0	4.9	4.1	3.9	5.3	5.3	5.2	5.0	26.0
28.0	4.0	4.4	4.4	4.4	4.4	4.4	4.7	4.7	4.7	4.6	3.8	3.6	5.0	5.0	4.9	4.6	28.0
30.0	3.8	4.2	4.1	4.1	4.1	4.1	4.5	4.4	4.4	4.4	3.5	3.3	4.7	4.7	4.6	4.2	30.0
32.0		3.9	3.9	3.9	3.9	3.9	4.2	4.2	4.2	4.2	3.3	3.0	4.5	4.5	4.4	3.9	32.0
34.0		3.8	3.7	3.7	3.7	3.6	4.0	4.0	4.0	4.0	3.0	2.8	4.3	4.2	4.2	3.6	34.0
36.0							3.8	3.8	3.8	3.8	2.8	2.6	4.1	4.0	4.0	3.3	36.0
38.0							3.7	3.7	3.7	3.6	2.6	2.4	3.9	3.9	3.8	3.1	38.0
40.0													3.8	3.7	3.7	2.9	40.0
42.0													3.6		3.5	2.7	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	7.6	7.3	8.3	8.1													14.0
16.0	6.9	6.5	7.7	7.5	7.4	7.3	7.0	6.9	6.4	7.6	7.5	7.5	7.1	7.1			16.0
18.0	6.2	5.9	7.2	7.0	6.9	6.8	6.4	6.3	5.9	7.1	7.0	7.0	6.5	6.8	6.3	5.8	18.0
20.0	5.7	5.4	6.7	6.5	6.4	6.4	5.9	5.8	5.5	6.6	6.6	6.5	6.0	6.4	5.9	5.5	20.0
22.0	5.2	4.9	6.3	6.1	6.0	6.0	5.4	5.3	5.0	6.3	6.2	6.2	5.6	6.0	5.4	5.1	22.0
24.0	4.8	4.5	5.9	5.7	5.7	5.6	5.0	4.9	4.6	5.9	5.9	5.8	5.2	5.7	5.1	4.7	24.0
26.0	4.4	4.1	5.5	5.4	5.4	5.1	4.6	4.5	4.2	5.6	5.6	5.5	4.8	5.3	4.7	4.4	26.0
28.0	4.1	3.8	5.2	5.1	5.1	4.8	4.3	4.1	3.8	5.3	5.3	5.2	4.5	5.0	4.3	4.0	28.0
30.0	3.8	3.5	4.9	4.8	4.8	4.4	4.0	3.8	3.5	5.0	5.0	5.0	4.2	4.6	4.0	3.7	30.0
32.0	3.5	3.3	4.7	4.6	4.6	4.1	3.7	3.5	3.2	4.8	4.8	4.7	3.9	4.3	3.7	3.4	32.0
34.0	3.3	3.1	4.5	4.4	4.4	3.8	3.5	3.2	2.9	4.6	4.6	4.5	3.7	4.0	3.4	3.1	34.0
36.0	3.1	2.8	4.3	4.2	4.1	3.6	3.3	2.9	2.7	4.4	4.4	4.3	3.5	3.7	3.1	2.9	36.0
38.0	2.9	2.7	4.1	4.0	3.8	3.3	3.1	2.7	2.5	4.2	4.2	4.1	3.3	3.4	2.9	2.6	38.0
40.0	2.7	2.5	3.9	3.9	3.5	3.1	2.9	2.5	2.2	4.1	4.1	3.8	3.1	3.1	2.7	2.4	40.0
42.0	2.6	2.3	3.8	3.7	3.3	2.9	2.8	2.3	2.1	3.9	3.9	3.6	3.0	2.9	2.5	2.3	42.0
44.0			3.7	3.6	3.0	2.8	2.6	2.1	1.9	3.8	3.8	3.3	2.8	2.6	2.3	2.1	44.0
46.0			3.5					2.0	1.7	3.6	3.6	3.1	2.7	2.4	2.2	1.9	46.0
48.0									1.6	3.2	3.4	2.9	2.6	2.2	2.0	1.8	48.0
50.0										2.8						1.6	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	7.1	7.0	6.5	6.8	6.4	6.1	5.8		6.4	6.1	5.6						18.0
	20.0	6.7	6.7	6.2	6.6	6.3	5.9	5.7	4.9	6.2	6.0	5.5	5.7	5.3	4.6	5.4	5.1	20.0
	22.0	6.3	6.3	5.7	6.2	6.1	5.6	5.5	4.8	6.0	5.8	5.4	5.6	5.2	4.5	5.3	5.0	22.0
	24.0	6.0	6.0	5.3	5.9	5.8	5.2	5.1	4.7	5.8	5.6	5.2	5.4	5.0	4.4	5.2	4.9	24.0
	26.0	5.7	5.7	5.0	5.6	5.4	4.8	4.8	4.5	5.6	5.5	4.9	5.3	4.9	4.3	5.0	4.8	26.0
	28.0	5.4	5.4	4.7	5.3	5.1	4.5	4.4	4.2	5.5	5.3	4.6	5.1	4.5	4.2	4.9	4.7	28.0
	30.0	5.2	5.1	4.4	5.1	4.8	4.2	4.1	3.9	5.2	5.2	4.3	4.9	4.2	4.0	4.8	4.6	30.0
	32.0	4.9	4.9	4.1	4.9	4.5	3.9	3.8	3.6	5.0	5.0	4.0	4.6	4.0	3.7	4.7	4.5	32.0
	34.0	4.7	4.7	3.9	4.6	4.2	3.6	3.5	3.3	4.8	4.8	3.8	4.3	3.7	3.5	4.5	4.4	34.0
	36.0	4.5	4.5	3.7	4.4	3.9	3.3	3.3	3.1	4.6	4.6	3.5	4.1	3.4	3.2	4.4	4.2	36.0
	38.0	4.3	4.3	3.5	4.2	3.6	3.1	3.1	2.8	4.4	4.4	3.3	3.8	3.2	3.0	4.3	3.9	38.0
	40.0	4.2	4.2	3.3	4.0	3.4	2.9	2.9	2.7	4.3	4.2	3.1	3.6	3.0	2.8	4.2	3.7	40.0
	42.0	4.1	4.1	3.2	3.8	3.1	2.7	2.6	2.5	4.0	4.0	2.9	3.3	2.8	2.6	3.9	3.5	42.0
	44.0	3.7	3.8	3.0	3.5	2.9	2.6	2.4	2.3	3.5	3.7	2.7	3.1	2.6	2.4	3.4	3.3	44.0
	46.0	3.3	3.4	2.9	3.3	2.7	2.4	2.2	2.1	3.0	3.3	2.6	2.9	2.4	2.2	3.0	3.1	46.0
	48.0	2.8	2.9	2.8	3.1	2.5	2.2	2.0	1.9	2.6	2.8	2.4	2.7	2.2	2.1	2.5	2.9	48.0
	50.0	2.4	2.6	2.7	2.9	2.3	2.1	1.9	1.7	2.2	2.5	2.3	2.5	2.1	1.9	2.1	2.5	50.0
	54.0		1.8	2.2					1.4	1.5	1.8	2.0	2.2	1.8	1.6	1.4	1.8	54.0
	58.0										1.2	1.6			1.3		1.2	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	30	30	30	30	30	30	30	30									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	4.8	4.8															20.0
	22.0	4.7	4.7	3.9	4.5	4.2												22.0
	24.0	4.6	4.6	3.9	4.5	4.1	3.4	3.7										24.0
	26.0	4.5	4.5	3.8	4.4	4.1	3.3	3.7	2.7									26.0
	28.0	4.4	4.4	3.7	4.3	4.0	3.3	3.6	2.7									28.0
	30.0	4.3	4.3	3.7	4.2	3.9	3.3	3.6	2.7									30.0
	32.0	4.0	4.0	3.6	4.1	3.9	3.2	3.5	2.7									32.0
	34.0	3.8	3.8	3.5	4.0	3.8	3.2	3.5	2.7									34.0
	36.0	3.6	3.5	3.3	4.0	3.6	3.1	3.4	2.7									36.0
	38.0	3.4	3.3	3.1	3.9	3.4	3.1	3.4	2.7									38.0
	40.0	3.1	3.1	2.9	3.8	3.2	3.0	3.3	2.6									40.0
	42.0	3.0	2.9	2.7	3.6	3.1	2.8	3.1	2.6									42.0
	44.0	2.8	2.7	2.6	3.4	2.9	2.7	3.0	2.6									44.0
	46.0	2.6	2.6	2.4	3.0	2.7	2.5	2.8	2.6									46.0
	48.0	2.4	2.4	2.2	2.6	2.5	2.4	2.7	2.4									48.0
	50.0	2.3	2.2	2.1	2.2	2.4	2.2	2.3	2.1									50.0
	54.0	2.0	1.9	1.8	1.5	1.9	1.8	1.6	1.4									54.0
	58.0	1.5	1.7	1.5		1.3	1.2	1.0										58.0
	62.0	1.0		1.1														62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	7.9	8.2	8.2	8.2	8.1												12.0
	14.0	7.1	7.4	7.4	7.4	7.4	7.3	7.6	7.6	7.6	7.4	7.3	7.1	7.8	7.7			14.0
	16.0	6.4	6.8	6.8	6.8	6.8	6.7	7.0	7.0	7.0	6.9	6.6	6.3	7.2	7.2	7.0	6.9	16.0
	18.0	5.9	6.2	6.2	6.2	6.2	6.1	6.5	6.5	6.4	6.3	6.0	5.7	6.7	6.7	6.5	6.4	18.0
	20.0	5.4	5.8	5.7	5.7	5.7	5.7	6.0	6.0	6.0	5.9	5.4	5.1	6.2	6.2	6.1	6.0	20.0
	22.0	5.0	5.4	5.3	5.3	5.3	5.3	5.6	5.6	5.6	5.5	4.9	4.7	5.8	5.8	5.7	5.6	22.0
	24.0	4.6	5.0	5.0	5.0	5.0	4.9	5.3	5.2	5.2	5.2	4.5	4.3	5.5	5.5	5.4	5.3	24.0
	26.0	4.3	4.7	4.6	4.6	4.6	4.6	5.0	4.9	4.9	4.9	4.1	3.9	5.2	5.2	5.1	4.9	26.0
	28.0	4.0	4.4	4.4	4.4	4.4	4.3	4.7	4.6	4.6	4.6	3.8	3.6	4.9	4.9	4.8	4.5	28.0
	30.0		4.2	4.1	4.1	4.1	4.1	4.4	4.4	4.4	4.3	3.5	3.3	4.7	4.6	4.6	4.2	30.0
	32.0		4.0					4.2	4.2	4.2	4.1	3.3	3.0	4.4	4.4	4.4	3.9	32.0
	34.0							4.0	4.0	4.0	4.0	3.0	2.8	4.3	4.2	4.2	3.6	34.0
	36.0												2.6	4.1	4.1	4.0	3.3	36.0
	38.0													3.9	3.9	3.9	3.1	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	6.7	6.4	7.3	7.1	7.0	7.0	6.8										16.0
	18.0	6.1	5.8	6.8	6.6	6.6	6.5	6.2	6.2	5.8	6.7	6.7	6.6	6.4	6.3	5.9		18.0
	20.0	5.6	5.3	6.4	6.2	6.2	6.1	5.8	5.7	5.4	6.4	6.3	6.3	5.9	6.1	5.7	5.2	20.0
	22.0	5.1	4.8	6.0	5.9	5.8	5.8	5.3	5.2	5.0	6.0	6.0	5.9	5.5	5.8	5.3	5.0	22.0
	24.0	4.7	4.5	5.7	5.5	5.5	5.4	4.9	4.8	4.6	5.7	5.6	5.6	5.1	5.5	5.0	4.7	24.0
	26.0	4.4	4.1	5.4	5.3	5.2	5.1	4.6	4.5	4.2	5.4	5.4	5.3	4.7	5.2	4.6	4.3	26.0
	28.0	4.0	3.8	5.1	5.0	5.0	4.8	4.3	4.1	3.9	5.2	5.1	5.1	4.4	4.9	4.3	4.0	28.0
	30.0	3.8	3.5	4.9	4.8	4.7	4.4	4.0	3.8	3.5	4.9	4.9	4.9	4.2	4.6	4.0	3.7	30.0
	32.0	3.5	3.3	4.6	4.5	4.5	4.1	3.7	3.5	3.2	4.7	4.7	4.7	3.9	4.3	3.7	3.4	32.0
	34.0	3.3	3.0	4.4	4.3	4.3	3.8	3.5	3.2	2.9	4.5	4.5	4.5	3.7	4.0	3.4	3.1	34.0
	36.0	3.1	2.8	4.3	4.2	4.0	3.6	3.3	2.9	2.7	4.3	4.3	4.3	3.5	3.7	3.1	2.9	36.0
	38.0	2.9	2.7	4.1	4.0	3.8	3.3	3.1	2.7	2.4	4.2	4.2	4.1	3.3	3.4	2.9	2.7	38.0
	40.0			4.0	3.9	3.5	3.1	3.0	2.5	2.2	4.0	4.0	3.8	3.1	3.1	2.7	2.4	40.0
	42.0			3.8	3.8	3.3	2.9	2.8	2.3	2.1	3.9	3.9	3.6	3.0	2.9	2.5	2.3	42.0
	44.0									1.9	3.8	3.8	3.4	2.9	2.7	2.4	2.1	44.0
	46.0										3.7	3.7	3.1	2.7	2.4	2.2	1.9	46.0
	48.0																1.8	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	6.5	6.4	6.0	6.3													18.0
	20.0	6.3	6.2	5.8	6.1	5.8	5.5	5.2	4.6	5.7	5.5	5.1	5.3	4.9		5.0		20.0
	22.0	6.1	6.0	5.6	5.9	5.6	5.3	5.1	4.5	5.5	5.3	4.9	5.1	4.7	4.1	4.8	4.6	22.0
↑ m	24.0	5.8	5.7	5.2	5.6	5.4	5.1	4.9	4.4	5.3	5.1	4.8	5.0	4.6	4.1	4.7	4.5	24.0
	26.0	5.5	5.5	4.9	5.4	5.2	4.8	4.7	4.3	5.1	5.0	4.7	4.8	4.5	4.0	4.6	4.4	26.0
	28.0	5.2	5.2	4.6	5.2	5.0	4.5	4.4	4.2	5.0	4.8	4.5	4.7	4.4	3.9	4.5	4.3	28.0
	30.0	5.0	5.0	4.3	5.0	4.7	4.2	4.1	3.8	4.8	4.7	4.3	4.6	4.2	3.8	4.3	4.2	30.0
	32.0	4.8	4.8	4.1	4.8	4.5	3.9	3.8	3.6	4.6	4.5	4.0	4.4	3.9	3.7	4.2	4.1	32.0
	34.0	4.6	4.6	3.9	4.6	4.2	3.6	3.6	3.3	4.5	4.4	3.8	4.3	3.7	3.4	4.1	3.9	34.0
	36.0	4.5	4.5	3.7	4.4	3.9	3.4	3.3	3.1	4.3	4.2	3.5	4.1	3.5	3.2	4.0	3.8	36.0
	38.0	4.3	4.3	3.5	4.2	3.6	3.1	3.1	2.9	4.2	4.1	3.3	3.8	3.2	3.0	3.9	3.7	38.0
	40.0	4.1	4.1	3.3	4.1	3.4	2.9	2.9	2.7	4.1	4.0	3.1	3.6	3.0	2.8	3.8	3.7	40.0
	42.0	4.0	4.0	3.2	3.8	3.1	2.7	2.7	2.5	3.9	3.9	2.9	3.3	2.8	2.6	3.7	3.5	42.0
	44.0	3.8	3.9	3.0	3.6	2.9	2.6	2.5	2.3	3.6	3.8	2.7	3.1	2.6	2.4	3.5	3.3	44.0
	46.0	3.3	3.4	2.9	3.3	2.7	2.4	2.3	2.1	3.1	3.3	2.6	2.9	2.5	2.3	3.0	3.1	46.0
	48.0	2.9	3.0	2.8	3.1	2.5	2.3	2.1	1.9	2.7	2.9	2.4	2.7	2.3	2.1	2.6	2.9	48.0
	50.0		2.6	2.7	2.9	2.3		1.9	1.7	2.2	2.5	2.3	2.5	2.1	1.9	2.2	2.5	50.0
	54.0									1.5	1.8				1.6	1.5	1.8	54.0
	58.0																1.2	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
%	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	40	40	40	40	40	40	40	40									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	4.4	4.3		4.2	3.9												22.0
↑ m	24.0	4.3	4.2	3.5	4.1	3.8	3.1	3.4										24.0
	26.0	4.2	4.1	3.5	4.0	3.7	3.1	3.4	2.6									26.0
	28.0	4.1	4.0	3.4	3.9	3.6	3.0	3.3	2.5									28.0
	30.0	4.0	4.0	3.4	3.8	3.6	3.0	3.2	2.5									30.0
	32.0	3.9	3.9	3.3	3.7	3.5	2.9	3.2	2.5									32.0
	34.0	3.8	3.7	3.2	3.6	3.4	2.9	3.1	2.5									34.0
	36.0	3.6	3.5	3.2	3.6	3.4	2.8	3.1	2.4									36.0
	38.0	3.4	3.3	3.1	3.5	3.3	2.8	3.0	2.4									38.0
	40.0	3.2	3.1	2.9	3.4	3.2	2.8	3.0	2.4									40.0
	42.0	3.0	2.9	2.7	3.3	3.1	2.7	2.9	2.3									42.0
	44.0	2.8	2.8	2.6	3.3	2.9	2.7	2.9	2.3									44.0
	46.0	2.6	2.6	2.4	3.1	2.7	2.5	2.8	2.3									46.0
	48.0	2.5	2.4	2.3	2.6	2.6	2.4	2.7	2.3									48.0
	50.0	2.3	2.3	2.1	2.2	2.4	2.2	2.4	2.2									50.0
	54.0	2.0	2.0	1.8	1.5	1.9	1.9	1.7	1.5									54.0
	58.0			1.5		1.3	1.3	1.1										58.0
	62.0			1.1														62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
%	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0	16.6																4.0
	4.5	16.6																4.5
	5.0	16.6	16.4	16.6	16.6	16.5												5.0
	6.0	15.7	15.6	15.9	15.9	15.7	14.4	15.3	15.5	15.3	13.2							6.0
	7.0	14.7	14.8	15.1	15.0	14.9	13.8	14.7	14.9	14.7	13.1	11.8	10.8	14.2	14.3	12.2		7.0
	8.0	13.5	14.1	14.2	14.1	14.1	13.2	14.1	14.2	14.0	12.8	11.6	10.6	13.7	13.8	12.1	11.0	8.0
	9.0	12.3	13.2	13.2	13.2	13.2	12.5	13.4	13.5	13.4	12.3	11.2	10.4	13.2	13.3	11.9	11.0	9.0
	10.0	11.4	12.3	12.3	12.3	12.2	11.8	12.7	12.8	12.7	11.8	10.7	10.0	12.7	12.8	11.6	10.9	10.0
	12.0	9.8	10.7	10.7	10.7	10.6	10.3	11.3	11.3	11.2	10.7	9.4	8.9	11.6	11.6	10.8	10.3	12.0
	14.0	8.4	9.4	9.3	9.3	9.3	9.1	10.1	10.0	10.0	9.6	8.2	7.7	10.5	10.4	9.9	9.4	14.0
	16.0	7.4	8.2	8.2	8.2	8.2	8.0	9.0	8.9	8.9	8.6	7.2	6.9	9.5	9.5	9.0	8.4	16.0
	18.0	6.6	7.3	7.3	7.3	7.3	7.2	8.0	7.9	7.9	7.7	6.4	6.0	8.6	8.5	8.2	7.6	18.0
	20.0	5.9	6.6	6.6	6.6	6.6	6.5	7.2	7.1	7.1	7.0	5.7	5.4	7.8	7.7	7.5	6.8	20.0
	22.0	5.4	6.0	6.0	6.0	6.0	5.9	6.6	6.5	6.5	6.4	5.1	4.8	7.1	7.0	6.8	6.1	22.0
	24.0	4.9	5.5	5.5	5.5	5.5	5.4	6.0	6.0	6.0	5.9	4.6	4.3	6.5	6.4	6.3	5.5	24.0
	26.0	4.5	5.1	5.1	5.1	5.1	5.0	5.6	5.5	5.5	5.4	4.2	4.0	6.0	6.0	5.8	5.0	26.0
	28.0	4.1	4.7	4.7	4.7	4.7	4.6	5.2	5.2	5.1	5.0	3.9	3.6	5.6	5.6	5.4	4.6	28.0
	30.0	3.9	4.4	4.3	4.3	4.3	4.2	4.8	4.8	4.8	4.7	3.6	3.3	5.2	5.2	5.1	4.2	30.0
	32.0	3.6	4.1	4.0	4.0	4.0	3.9	4.5	4.5	4.5	4.3	3.3	3.1	4.9	4.9	4.8	3.9	32.0
	34.0		3.8	3.8	3.8	3.8	3.7	4.2	4.2	4.2	4.1	3.0	2.8	4.6	4.6	4.5	3.6	34.0
	36.0		3.6	3.6	3.6	3.6	3.5	4.0	3.9	3.9	3.8	2.8	2.6	4.2	4.3	4.2	3.3	36.0
	38.0							3.8	3.7	3.7	3.6	2.6	2.4	3.7	4.0	3.9	3.0	38.0
	40.0							3.5	3.6	3.6	3.5	2.5	2.3	3.2	3.9	3.7	2.8	40.0
	42.0												2.1	2.8	3.4	3.6	2.7	42.0
	44.0													2.4	3.0	3.5	2.5	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0	10.2	9.4	12.9	11.3	10.6												8.0
	9.0	10.2	9.3	12.6	11.2	10.5	9.9	9.4	8.4	7.3	10.2	10.1	9.6	8.9				9.0
	10.0	10.1	9.1	12.3	11.1	10.4	9.8	9.4	8.4	7.3	10.1	10.0	9.6	8.9	8.5	7.5	6.5	10.0
	12.0	9.5	8.8	11.5	10.7	10.2	9.7	9.2	8.4	7.3	9.9	9.9	9.4	8.8	8.5	7.5	6.5	12.0
	14.0	8.5	8.1	10.7	10.0	9.7	9.3	8.8	8.1	7.2	9.7	9.6	9.3	8.5	8.4	7.5	6.5	14.0
	16.0	7.5	7.1	9.8	9.3	9.0	8.5	7.9	7.4	7.0	9.2	9.1	8.9	8.1	8.2	7.3	6.4	16.0
	18.0	6.8	6.4	9.0	8.6	8.4	7.8	7.1	6.7	6.4	8.7	8.6	8.4	7.4	7.7	6.8	6.3	18.0
	20.0	6.1	5.8	8.2	7.9	7.8	7.1	6.5	6.1	5.7	8.1	8.1	7.9	6.8	7.1	6.2	5.8	20.0
	22.0	5.5	5.2	7.5	7.3	7.2	6.4	5.9	5.5	5.2	7.6	7.5	7.4	6.2	6.6	5.7	5.3	22.0
	24.0	5.0	4.7	6.9	6.7	6.6	5.8	5.4	5.0	4.6	7.1	7.0	6.9	5.7	6.0	5.2	4.9	24.0
	26.0	4.6	4.3	6.4	6.2	6.1	5.3	4.9	4.5	4.2	6.6	6.5	6.4	5.2	5.5	4.8	4.4	26.0
	28.0	4.2	3.9	6.0	5.8	5.6	4.9	4.5	4.1	3.8	6.1	6.1	6.0	4.8	5.1	4.3	4.0	28.0
	30.0	3.9	3.6	5.6	5.4	5.2	4.5	4.2	3.7	3.4	5.8	5.7	5.6	4.5	4.7	4.0	3.7	30.0
	32.0	3.6	3.4	5.3	5.1	4.8	4.2	3.9	3.4	3.1	5.4	5.4	5.2	4.2	4.3	3.7	3.4	32.0
	34.0	3.4	3.1	4.8	4.8	4.4	3.9	3.6	3.2	2.9	4.9	5.1	4.8	3.9	3.9	3.4	3.1	34.0
	36.0	3.1	2.9	4.2	4.5	4.1	3.6	3.4	2.9	2.6	4.3	4.5	4.4	3.7	3.6	3.1	2.8	36.0
	38.0	2.9	2.7	3.6	4.3	3.8	3.4	3.2	2.7	2.4	3.7	4.0	4.1	3.4	3.3	2.9	2.6	38.0
	40.0	2.7	2.5	3.1	3.9	3.5	3.1	3.0	2.5	2.2	3.2	3.5	3.6	3.2	3.1	2.7	2.4	40.0
	42.0	2.6	2.4	2.7	3.4	3.2	2.9	2.8	2.3	2.0	2.8	3.0	3.2	3.0	2.8	2.5	2.2	42.0
	44.0	2.5	2.2	2.3	3.0	3.0	2.7	2.7	2.1	1.8	2.4	2.6	2.8	2.9	2.6	2.3	2.0	44.0
	46.0		2.1	2.0	2.7	2.8	2.6	2.5	2.0	1.7	2.0	2.3	2.4	2.7	2.4	2.2	1.9	46.0
	48.0			1.7	2.4	2.6	2.5	2.4	1.8	1.6	1.7	2.0	2.1	2.4	2.2	2.0	1.7	48.0
	50.0									1.5	1.4	1.7	1.8	2.1	2.1	1.9	1.6	50.0
	54.0																1.5	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0	9.2	8.9	8.1														10.0
	12.0	9.0	8.8	8.1	8.6	7.8	7.2	6.6	5.4	7.9	7.4	6.5	6.9	6.0				12.0
	14.0	8.9	8.7	8.0	8.5	7.8	7.2	6.6	5.4	7.8	7.4	6.5	6.9	6.0	4.9	6.4	5.9	14.0
	16.0	8.8	8.6	7.9	8.4	7.8	7.2	6.6	5.4	7.7	7.4	6.5	6.9	6.0	4.9	6.4	5.9	16.0
	18.0	8.5	8.3	7.5	8.2	7.6	6.9	6.6	5.4	7.6	7.3	6.5	6.9	6.0	4.9	6.4	5.9	18.0
	20.0	8.1	8.0	7.0	7.8	7.2	6.4	6.2	5.4	7.5	7.2	6.3	6.8	6.0	4.9	6.4	5.9	20.0
	22.0	7.7	7.6	6.5	7.4	6.7	5.9	5.8	5.3	7.3	7.1	5.9	6.6	5.8	4.9	6.4	5.9	22.0
	24.0	7.2	7.2	6.0	7.0	6.2	5.5	5.4	5.0	7.1	6.9	5.5	6.2	5.4	4.9	6.4	5.9	24.0
	26.0	6.8	6.7	5.6	6.6	5.8	5.0	5.0	4.7	6.7	6.6	5.2	5.8	5.1	4.7	6.3	5.7	26.0
	28.0	6.3	6.3	5.1	6.2	5.3	4.6	4.6	4.3	6.4	6.3	4.8	5.5	4.7	4.4	6.1	5.5	28.0
	30.0	6.0	6.0	4.8	5.8	4.9	4.3	4.2	4.0	5.7	5.9	4.5	5.1	4.4	4.1	5.4	5.2	30.0
	32.0	5.1	5.3	4.4	5.4	4.5	3.9	3.9	3.6	4.8	5.1	4.1	4.7	4.1	3.8	4.6	4.9	32.0
	34.0	4.4	4.5	4.2	4.9	4.2	3.6	3.6	3.3	4.1	4.4	3.9	4.4	3.8	3.5	4.0	4.3	34.0
	36.0	3.8	3.9	3.9	4.3	3.9	3.4	3.3	3.1	3.5	3.8	3.6	4.1	3.5	3.3	3.4	3.8	36.0
	38.0	3.2	3.4	3.7	3.8	3.6	3.2	3.0	2.8	2.9	3.2	3.4	3.7	3.3	3.0	2.8	3.2	38.0
	40.0	2.7	2.9	3.3	3.3	3.3	2.9	2.8	2.6	2.5	2.7	3.1	3.2	3.0	2.8	2.3	2.7	40.0
	42.0	2.3	2.4	2.8	2.8	3.1	2.7	2.6	2.4	2.0	2.3	2.8	2.8	2.8	2.6	1.9	2.3	42.0
	44.0	1.9	2.0	2.4	2.4	2.7	2.6	2.4	2.2	1.6	1.9	2.4	2.4	2.6	2.4	1.5	1.9	44.0
	46.0	1.6	1.7	2.1	2.1	2.4	2.4	2.2	2.0	1.3	1.5	2.0	2.0	2.4	2.2	1.2	1.5	46.0
	48.0	1.2	1.4	1.8	1.7	2.0	2.2	2.0	1.8		1.2	1.7	1.7	2.1	2.0		1.2	48.0
	50.0		1.1	1.5	1.5	1.7	2.0	1.8	1.6			1.4	1.4	1.8	1.7			50.0
	54.0					1.2	1.5	1.6	1.4					1.3	1.2			54.0
	58.0								1.1									58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	0	0	0	0	0	0	0	0									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	5.4	5.3		5.1	4.6												14.0
	16.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9										16.0
	18.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									18.0
	20.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									20.0
	22.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									22.0
	24.0	5.3	5.2	4.1	5.1	4.6	3.4	3.9	2.7									24.0
	26.0	5.0	5.0	4.1	5.1	4.6	3.4	3.9	2.7									26.0
	28.0	4.7	4.7	4.1	5.1	4.6	3.4	3.9	2.7									28.0
	30.0	4.5	4.4	4.0	5.1	4.4	3.4	3.9	2.7									30.0
	32.0	4.2	4.2	3.9	4.4	4.2	3.4	3.9	2.7									32.0
	34.0	3.9	3.9	3.7	3.8	4.0	3.4	3.7	2.7									34.0
	36.0	3.7	3.6	3.4	3.2	3.7	3.4	3.2	2.7									36.0
	38.0	3.4	3.4	3.2	2.7	3.2	2.9	2.7	2.2									38.0
	40.0	3.1	3.2	3.0	2.3	2.7	2.4	2.2	1.8									40.0
	42.0	2.6	2.8	2.7	1.9	2.3	2.0	1.8	1.4									42.0
	44.0	2.2	2.4	2.3	1.5	2.0	1.7	1.5	1.1									44.0
	46.0	1.9	2.1	1.9	1.2	1.6	1.4	1.2										46.0
	48.0	1.5	1.7	1.6		1.3	1.1											48.0
	50.0	1.3	1.4	1.3														50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0	13.5		14.1														7.0
	8.0	12.4	13.0	13.0	13.0	13.0	12.5	13.2	13.4	13.2								8.0
	9.0	11.4	12.1	12.1	12.0	12.0	11.7	12.5	12.5	12.4	11.7	11.0		12.5	12.5			9.0
	10.0	10.5	11.2	11.2	11.2	11.2	10.9	11.7	11.7	11.6	11.1	10.4	9.9	11.9	11.9	11.1	10.5	10.0
	12.0	9.2	9.8	9.8	9.8	9.8	9.6	10.3	10.3	10.2	9.9	9.0	8.6	10.7	10.6	10.1	9.8	12.0
	14.0	8.1	8.7	8.7	8.7	8.7	8.5	9.2	9.1	9.1	8.9	7.9	7.5	9.6	9.5	9.2	9.0	14.0
	16.0	7.1	7.8	7.8	7.7	7.7	7.6	8.3	8.3	8.2	8.0	7.0	6.6	8.7	8.6	8.3	8.2	16.0
	18.0	6.3	7.0	6.9	6.9	6.9	6.8	7.5	7.5	7.5	7.3	6.3	6.0	8.0	7.9	7.6	7.4	18.0
	20.0	5.8	6.3	6.3	6.3	6.3	6.2	6.8	6.8	6.8	6.6	5.6	5.3	7.3	7.2	7.0	6.7	20.0
	22.0	5.2	5.8	5.8	5.8	5.8	5.7	6.2	6.2	6.2	6.1	5.0	4.8	6.7	6.6	6.5	6.0	22.0
	24.0	4.8	5.3	5.3	5.3	5.3	5.2	5.8	5.7	5.7	5.6	4.6	4.3	6.2	6.1	6.0	5.4	24.0
	26.0	4.4	5.0	4.9	4.9	4.9	4.8	5.4	5.3	5.3	5.2	4.2	3.9	5.7	5.7	5.6	5.0	26.0
	28.0	4.1	4.6	4.5	4.5	4.6	4.5	5.0	5.0	4.9	4.9	3.8	3.6	5.4	5.3	5.2	4.6	28.0
	30.0	3.8	4.3	4.2	4.2	4.2	4.2	4.7	4.6	4.6	4.6	3.6	3.3	5.0	5.0	4.9	4.2	30.0
	32.0	3.6	4.0	4.0	4.0	4.0	3.9	4.4	4.3	4.3	4.3	3.3	3.0	4.7	4.7	4.6	3.9	32.0
	34.0		3.8	3.7	3.8	3.8	3.7	4.1	4.1	4.1	4.0	3.0	2.8	4.5	4.4	4.3	3.6	34.0
	36.0		3.6	3.6	3.6	3.6	3.5	3.9	3.9	3.9	3.8	2.8	2.6	4.2	4.2	4.1	3.3	36.0
	38.0							3.7	3.7	3.7	3.6	2.6	2.4	3.8	4.0	3.9	3.0	38.0
	40.0							3.5	3.6	3.6	3.4	2.5	2.3	3.3	3.8	3.7	2.8	40.0
	42.0												2.1	2.9	3.5	3.6	2.7	42.0
	44.0													2.5	3.1	3.4	2.5	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0			11.7														10.0
	12.0	9.2	8.7	10.8	10.2	9.8	9.4	9.1	8.4	7.3	9.8	9.7	9.4	8.8				12.0
	14.0	8.1	7.7	9.8	9.4	9.2	8.9	8.4	8.1	7.2	9.3	9.3	9.0	8.4	8.4	7.5	6.5	14.0
	16.0	7.3	6.9	9.0	8.6	8.5	8.3	7.5	7.4	7.0	8.7	8.6	8.5	7.8	8.0	7.3	6.4	16.0
	18.0	6.5	6.2	8.2	7.9	7.8	7.6	6.8	6.7	6.3	8.1	8.0	7.9	7.1	7.5	6.7	6.3	18.0
	20.0	5.9	5.6	7.6	7.3	7.2	6.9	6.2	6.0	5.7	7.5	7.5	7.4	6.5	7.0	6.2	5.8	20.0
	22.0	5.4	5.1	7.0	6.8	6.7	6.3	5.7	5.5	5.1	7.1	7.0	6.9	6.0	6.4	5.6	5.3	22.0
	24.0	4.9	4.6	6.5	6.3	6.3	5.8	5.2	5.0	4.7	6.6	6.5	6.5	5.5	5.9	5.2	4.8	24.0
	26.0	4.5	4.2	6.0	5.9	5.8	5.3	4.8	4.5	4.2	6.2	6.1	6.1	5.1	5.5	4.7	4.4	26.0
	28.0	4.1	3.9	5.7	5.5	5.4	4.8	4.4	4.1	3.8	5.8	5.7	5.7	4.7	5.1	4.3	4.0	28.0
	30.0	3.8	3.6	5.3	5.2	5.0	4.5	4.1	3.8	3.4	5.5	5.4	5.3	4.4	4.7	4.0	3.7	30.0
	32.0	3.6	3.3	5.0	4.9	4.7	4.2	3.8	3.4	3.1	5.2	5.1	5.0	4.1	4.3	3.7	3.4	32.0
	34.0	3.3	3.1	4.7	4.6	4.4	3.8	3.6	3.2	2.9	4.9	4.9	4.7	3.8	4.0	3.4	3.1	34.0
	36.0	3.1	2.9	4.4	4.4	4.1	3.6	3.4	2.9	2.6	4.5	4.6	4.4	3.6	3.6	3.1	2.8	36.0
	38.0	2.9	2.7	3.8	4.2	3.8	3.3	3.1	2.7	2.4	3.9	4.1	4.1	3.4	3.3	2.9	2.6	38.0
	40.0	2.7	2.5	3.3	4.0	3.5	3.1	2.9	2.5	2.2	3.4	3.6	3.8	3.2	3.1	2.7	2.4	40.0
	42.0	2.6	2.4	2.8	3.5	3.2	2.9	2.8	2.3	2.0	2.9	3.2	3.3	3.0	2.8	2.5	2.2	42.0
	44.0	2.5	2.2	2.4	3.1	3.0	2.7	2.6	2.1	1.9	2.5	2.7	2.9	2.8	2.6	2.3	2.1	44.0
	46.0		2.1	2.1	2.8	2.8	2.6	2.5	2.0	1.7	2.1	2.4	2.5	2.7	2.4	2.2	1.9	46.0
	48.0			1.7	2.4	2.6	2.5	2.4	1.8	1.6	1.8	2.0	2.2	2.5	2.2	2.0	1.8	48.0
	50.0									1.5	1.5	1.7	1.9	2.1	2.1	1.9	1.6	50.0
	54.0																1.5	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	8.9	8.7	8.1	8.5	7.8	7.2	6.6		7.8								14.0
	16.0	8.5	8.4	7.8	8.2	7.8	7.2	6.6	5.4	7.7	7.4	6.5	6.9	6.0	4.9	6.4	5.9	16.0
	18.0	8.1	8.0	7.2	7.8	7.4	6.8	6.6	5.4	7.6	7.3	6.5	6.9	6.0	4.9	6.4	5.9	18.0
	20.0	7.6	7.5	6.7	7.4	7.0	6.3	6.1	5.4	7.3	7.1	6.2	6.8	6.0	4.9	6.4	5.9	20.0
	22.0	7.1	7.1	6.2	7.0	6.5	5.8	5.7	5.3	7.0	6.9	5.8	6.5	5.7	4.9	6.4	5.9	22.0
	24.0	6.7	6.7	5.7	6.6	6.1	5.4	5.3	5.0	6.7	6.6	5.5	6.1	5.3	4.9	6.3	5.9	24.0
	26.0	6.3	6.3	5.3	6.2	5.7	5.0	4.9	4.6	6.3	6.2	5.1	5.7	5.0	4.7	6.1	5.6	26.0
	28.0	6.0	6.0	5.0	5.9	5.3	4.6	4.5	4.2	6.0	6.0	4.7	5.4	4.7	4.3	5.9	5.4	28.0
	30.0	5.6	5.6	4.6	5.6	4.9	4.2	4.2	3.9	5.7	5.7	4.4	5.0	4.3	4.0	5.6	5.1	30.0
	32.0	5.3	5.3	4.3	5.2	4.5	3.9	3.9	3.6	5.1	5.4	4.1	4.7	4.0	3.8	4.9	4.8	32.0
	34.0	4.7	4.8	4.1	4.9	4.2	3.6	3.6	3.3	4.4	4.7	3.8	4.4	3.7	3.5	4.3	4.5	34.0
	36.0	4.0	4.2	3.8	4.5	3.9	3.4	3.3	3.1	3.8	4.0	3.5	4.1	3.5	3.2	3.7	4.0	36.0
	38.0	3.5	3.6	3.6	4.0	3.6	3.1	3.0	2.8	3.2	3.4	3.3	3.8	3.2	3.0	3.1	3.4	38.0
	40.0	2.9	3.1	3.4	3.4	3.3	2.9	2.8	2.6	2.7	2.9	3.1	3.4	3.0	2.8	2.6	2.9	40.0
	42.0	2.5	2.6	3.0	3.0	3.1	2.7	2.6	2.4	2.2	2.5	2.9	2.9	2.8	2.6	2.1	2.5	42.0
	44.0	2.1	2.2	2.6	2.6	2.9	2.5	2.4	2.2	1.8	2.1	2.5	2.5	2.6	2.4	1.7	2.1	44.0
	46.0	1.7	1.8	2.2	2.2	2.5	2.4	2.2	2.0	1.4	1.7	2.2	2.2	2.4	2.2	1.3	1.7	46.0
	48.0	1.4	1.5	1.9	1.9	2.1	2.2	2.0	1.9	1.1	1.4	1.8	1.8	2.2	2.0		1.4	48.0
	50.0	1.1	1.2	1.6	1.6	1.8	2.1	1.8	1.7		1.1	1.5	1.5	1.9	1.8		1.0	50.0
	54.0			1.0	1.0	1.3	1.5	1.6	1.4					1.3	1.3			54.0
	58.0								1.1									58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	10	10	10	10	10	10	10	10									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	5.4	5.3															16.0
	18.0	5.4	5.3	4.1	5.1	4.6		3.9										18.0
	20.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									20.0
	22.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									22.0
	24.0	5.2	5.2	4.1	5.1	4.6	3.4	3.9	2.7									24.0
	26.0	4.9	4.9	4.1	5.1	4.6	3.4	3.9	2.7									26.0
	28.0	4.7	4.6	4.1	5.1	4.6	3.4	3.9	2.7									28.0
	30.0	4.4	4.3	4.0	5.0	4.3	3.4	3.9	2.7									30.0
	32.0	4.1	4.1	3.8	4.8	4.1	3.4	3.9	2.7									32.0
	34.0	3.9	3.8	3.6	4.1	3.9	3.4	3.9	2.7									34.0
	36.0	3.6	3.6	3.4	3.5	3.7	3.4	3.4	2.7									36.0
	38.0	3.4	3.4	3.2	3.0	3.4	3.1	2.9	2.5									38.0
	40.0	3.2	3.2	3.0	2.5	3.0	2.7	2.5	2.0									40.0
	42.0	2.8	2.9	2.8	2.1	2.5	2.3	2.1	1.6									42.0
	44.0	2.4	2.6	2.5	1.7	2.1	1.9	1.7	1.3									44.0
	46.0	2.0	2.2	2.1	1.3	1.8	1.6	1.4										46.0
	48.0	1.7	1.9	1.7	1.0	1.4	1.3	1.1										48.0
	50.0	1.4	1.6	1.4		1.1	1.0											50.0
	54.0		1.0															54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	10.6	11.0	11.0	11.0	11.0												9.0
10.0	9.9	10.3	10.3	10.3	10.3	10.1	10.6	10.6	10.6								10.0
12.0	8.6	9.1	9.1	9.1	9.1	8.9	9.5	9.5	9.4	9.2	8.7	8.3	9.8	9.7	9.4	9.2	12.0
14.0	7.7	8.2	8.1	8.1	8.1	8.0	8.5	8.5	8.5	8.3	7.7	7.3	8.8	8.8	8.5	8.4	14.0
16.0	6.8	7.4	7.4	7.4	7.3	7.2	7.7	7.7	7.7	7.5	6.8	6.5	8.1	8.0	7.8	7.6	16.0
18.0	6.2	6.7	6.6	6.6	6.6	6.6	7.1	7.1	7.0	6.9	6.1	5.8	7.4	7.4	7.1	7.1	18.0
20.0	5.6	6.1	6.1	6.1	6.0	6.0	6.5	6.5	6.4	6.3	5.5	5.2	6.8	6.8	6.6	6.5	20.0
22.0	5.1	5.6	5.6	5.6	5.6	5.5	6.0	5.9	5.9	5.8	5.0	4.7	6.3	6.3	6.1	5.9	22.0
24.0	4.7	5.2	5.1	5.1	5.1	5.1	5.6	5.5	5.5	5.4	4.5	4.3	5.9	5.8	5.7	5.4	24.0
26.0	4.4	4.8	4.8	4.8	4.8	4.7	5.2	5.1	5.1	5.1	4.2	3.9	5.5	5.5	5.3	5.0	26.0
28.0	4.0	4.5	4.5	4.5	4.5	4.4	4.8	4.8	4.8	4.7	3.8	3.6	5.2	5.1	5.0	4.6	28.0
30.0	3.8	4.2	4.2	4.2	4.2	4.1	4.6	4.5	4.5	4.5	3.5	3.3	4.9	4.8	4.7	4.2	30.0
32.0	3.6	4.0	3.9	3.9	3.9	3.9	4.3	4.3	4.2	4.2	3.3	3.0	4.6	4.6	4.5	3.9	32.0
34.0		3.8	3.7	3.7	3.7	3.7	4.1	4.0	4.0	4.0	3.0	2.8	4.3	4.3	4.3	3.6	34.0
36.0		3.6	3.6	3.6	3.6	3.5	3.9	3.8	3.8	3.8	2.8	2.6	4.1	4.1	4.0	3.3	36.0
38.0							3.7	3.7	3.7	3.6	2.6	2.4	3.9	3.9	3.8	3.1	38.0
40.0							3.6	3.5	3.5	3.4	2.5	2.3	3.4	3.7	3.7	2.8	40.0
42.0													2.9	3.6	3.5	2.7	42.0
44.0													2.5	3.1	3.4	2.5	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0			9.9														12.0
14.0	7.8	7.5	9.0	8.7	8.5	8.4	8.0	7.8		8.7	8.7	8.5	8.1				14.0
16.0	7.0	6.7	8.3	8.0	7.9	7.8	7.2	7.1	6.7	8.1	8.1	7.9	7.4	7.7	7.2	6.4	16.0
18.0	6.4	6.0	7.6	7.4	7.3	7.2	6.6	6.5	6.1	7.5	7.5	7.4	6.8	7.2	6.6	6.2	18.0
20.0	5.8	5.5	7.1	6.8	6.8	6.7	6.0	5.9	5.6	7.0	7.0	6.9	6.2	6.7	6.0	5.7	20.0
22.0	5.3	5.0	6.6	6.4	6.3	6.2	5.5	5.4	5.1	6.6	6.5	6.5	5.7	6.3	5.6	5.2	22.0
24.0	4.8	4.5	6.2	6.0	5.9	5.7	5.1	4.9	4.6	6.2	6.2	6.1	5.3	5.8	5.1	4.8	24.0
26.0	4.4	4.2	5.8	5.6	5.6	5.2	4.7	4.5	4.2	5.8	5.8	5.8	4.9	5.4	4.7	4.4	26.0
28.0	4.1	3.8	5.4	5.3	5.2	4.8	4.3	4.1	3.8	5.5	5.5	5.4	4.6	5.0	4.3	4.0	28.0
30.0	3.8	3.6	5.1	5.0	4.9	4.4	4.1	3.8	3.5	5.2	5.2	5.1	4.3	4.6	4.0	3.7	30.0
32.0	3.5	3.3	4.8	4.7	4.7	4.1	3.8	3.5	3.2	5.0	4.9	4.8	4.0	4.3	3.7	3.4	32.0
34.0	3.3	3.1	4.6	4.5	4.4	3.8	3.5	3.2	2.9	4.7	4.7	4.6	3.8	4.0	3.4	3.1	34.0
36.0	3.1	2.8	4.4	4.3	4.1	3.6	3.3	2.9	2.7	4.5	4.5	4.3	3.5	3.6	3.1	2.9	36.0
38.0	2.9	2.7	3.9	4.1	3.8	3.3	3.1	2.7	2.4	4.1	4.3	4.1	3.3	3.4	2.9	2.6	38.0
40.0	2.7	2.5	3.4	3.9	3.5	3.1	2.9	2.5	2.2	3.5	3.8	3.8	3.2	3.1	2.7	2.4	40.0
42.0	2.6	2.4	2.9	3.6	3.3	2.9	2.8	2.3	2.0	3.0	3.3	3.4	3.0	2.8	2.5	2.2	42.0
44.0	2.4	2.2	2.5	3.2	3.0	2.7	2.6	2.1	1.9	2.6	2.8	3.0	2.8	2.6	2.3	2.1	44.0
46.0			2.1	2.8	2.8	2.6	2.5	2.0	1.7	2.2	2.5	2.6	2.7	2.4	2.2	1.9	46.0
48.0			1.8	2.5	2.6	2.5	2.4	1.8	1.6	1.9	2.1	2.3	2.5	2.2	2.0	1.8	48.0
50.0									1.5	1.5	1.8	1.9	2.2	2.1	1.9	1.6	50.0
54.0																1.4	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	8.0	8.0	7.5	7.8	7.4	7.0											16.0
	18.0	7.6	7.5	6.9	7.4	7.2	6.7	6.4	5.4	7.2	6.9	6.3	6.6	6.0		6.2	5.8	18.0
	20.0	7.1	7.1	6.4	7.0	6.8	6.2	6.1	5.4	7.0	6.7	6.1	6.4	5.9	4.9	6.1	5.7	20.0
	22.0	6.7	6.7	5.9	6.6	6.4	5.7	5.6	5.3	6.6	6.5	5.7	6.3	5.6	4.9	6.0	5.6	22.0
	24.0	6.3	6.3	5.5	6.2	6.0	5.3	5.2	4.9	6.3	6.2	5.4	6.0	5.3	4.9	5.9	5.5	24.0
	26.0	6.0	5.9	5.1	5.9	5.5	4.9	4.8	4.6	6.0	5.9	5.0	5.6	4.9	4.6	5.7	5.4	26.0
	28.0	5.6	5.6	4.8	5.6	5.2	4.5	4.5	4.2	5.7	5.6	4.7	5.3	4.6	4.3	5.6	5.3	28.0
	30.0	5.4	5.3	4.5	5.3	4.8	4.2	4.1	3.9	5.4	5.4	4.3	4.9	4.3	4.0	5.4	5.0	30.0
	32.0	5.1	5.1	4.2	5.0	4.5	3.9	3.8	3.6	5.2	5.2	4.0	4.6	4.0	3.7	5.2	4.7	32.0
	34.0	4.8	4.8	4.0	4.8	4.2	3.6	3.6	3.3	4.7	4.9	3.8	4.4	3.7	3.5	4.6	4.5	34.0
	36.0	4.2	4.4	3.8	4.5	3.9	3.3	3.3	3.1	4.0	4.2	3.5	4.1	3.5	3.2	3.9	4.2	36.0
	38.0	3.6	3.8	3.6	4.1	3.6	3.1	3.1	2.8	3.4	3.6	3.3	3.8	3.2	3.0	3.3	3.7	38.0
	40.0	3.1	3.2	3.4	3.6	3.3	2.9	2.8	2.6	2.9	3.1	3.1	3.6	3.0	2.8	2.8	3.1	40.0
	42.0	2.6	2.8	3.1	3.1	3.1	2.7	2.6	2.5	2.4	2.6	2.9	3.1	2.8	2.6	2.3	2.6	42.0
	44.0	2.2	2.3	2.7	2.7	2.9	2.5	2.4	2.3	2.0	2.2	2.7	2.7	2.6	2.4	1.9	2.2	44.0
	46.0	1.8	1.9	2.3	2.3	2.6	2.4	2.2	2.1	1.6	1.8	2.3	2.3	2.4	2.2	1.5	1.8	46.0
	48.0	1.5	1.6	2.0	1.9	2.2	2.2	2.0	1.9	1.2	1.5	1.9	1.9	2.2	2.1	1.1	1.5	48.0
	50.0	1.1	1.3	1.6	1.6	1.9	2.1	1.8	1.7		1.2	1.6	1.6	2.0	1.9		1.2	50.0
	54.0			1.1	1.1	1.3	1.6	1.6	1.4			1.1	1.0	1.4	1.3			54.0
	58.0								1.1									58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	20	20	20	20	20	20	20	20									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	5.4	5.3		5.1	4.6												20.0
	22.0	5.3	5.3	4.1	5.1	4.6	3.4	3.9										22.0
	24.0	5.2	5.1	4.1	5.0	4.6	3.4	3.9	2.7									24.0
	26.0	4.9	4.8	4.1	5.0	4.6	3.4	3.9	2.7									26.0
	28.0	4.6	4.6	4.1	4.9	4.5	3.4	3.9	2.7									28.0
	30.0	4.3	4.3	4.0	4.8	4.3	3.4	3.9	2.7									30.0
	32.0	4.1	4.0	3.8	4.7	4.1	3.4	3.9	2.7									32.0
	34.0	3.8	3.8	3.5	4.4	3.8	3.4	3.8	2.7									34.0
	36.0	3.6	3.6	3.3	3.8	3.6	3.4	3.6	2.7									36.0
	38.0	3.4	3.3	3.1	3.2	3.4	3.2	3.2	2.7									38.0
	40.0	3.2	3.1	2.9	2.8	3.2	2.9	2.7	2.3									40.0
	42.0	3.0	2.9	2.7	2.3	2.7	2.5	2.3	1.9									42.0
	44.0	2.6	2.7	2.6	1.9	2.3	2.1	1.9	1.5									44.0
	46.0	2.2	2.3	2.2	1.5	1.9	1.8	1.6	1.2									46.0
	48.0	1.8	2.0	1.9	1.2	1.6	1.4	1.3										48.0
	50.0	1.5	1.7	1.6		1.2	1.2											50.0
	54.0		1.1															54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	9.4																10.0
12.0	8.2	8.6	8.6	8.6	8.6	8.4	8.8	8.8	8.8	8.6							12.0
14.0	7.4	7.8	7.7	7.7	7.7	7.6	8.0	8.0	8.0	7.8	7.5	7.2	8.2	8.2	8.0	7.9	14.0
16.0	6.6	7.0	7.0	7.0	7.0	6.9	7.3	7.3	7.3	7.1	6.7	6.4	7.6	7.5	7.3	7.2	16.0
18.0	6.0	6.4	6.4	6.4	6.4	6.3	6.8	6.7	6.7	6.6	6.0	5.7	7.0	6.9	6.8	6.7	18.0
20.0	5.5	5.9	5.9	5.9	5.9	5.8	6.2	6.2	6.2	6.1	5.5	5.2	6.5	6.5	6.3	6.2	20.0
22.0	5.0	5.5	5.4	5.4	5.4	5.4	5.8	5.7	5.7	5.6	5.0	4.7	6.1	6.0	5.9	5.8	22.0
24.0	4.7	5.1	5.0	5.0	5.0	5.0	5.4	5.4	5.3	5.3	4.5	4.3	5.7	5.6	5.5	5.4	24.0
26.0	4.3	4.7	4.7	4.7	4.7	4.7	5.0	5.0	5.0	4.9	4.1	3.9	5.3	5.3	5.2	5.0	26.0
28.0	4.0	4.4	4.4	4.4	4.4	4.4	4.7	4.7	4.7	4.6	3.8	3.6	5.0	5.0	4.9	4.6	28.0
30.0	3.8	4.2	4.1	4.1	4.1	4.1	4.5	4.4	4.4	4.4	3.5	3.3	4.7	4.7	4.6	4.2	30.0
32.0		3.9	3.9	3.9	3.9	3.9	4.2	4.2	4.2	4.2	3.3	3.0	4.5	4.5	4.4	3.9	32.0
34.0		3.8	3.7	3.7	3.7	3.6	4.0	4.0	4.0	4.0	3.0	2.8	4.3	4.2	4.2	3.6	34.0
36.0							3.8	3.8	3.8	3.8	2.8	2.6	4.1	4.0	4.0	3.3	36.0
38.0							3.7	3.7	3.7	3.6	2.6	2.4	3.9	3.9	3.8	3.1	38.0
40.0													3.5	3.7	3.7	2.9	40.0
42.0													3.0		3.5	2.7	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	7.6	7.3	8.3	8.1													14.0
16.0	6.9	6.5	7.7	7.5	7.4	7.3	7.0	6.9	6.4	7.6	7.5	7.5	7.1	7.1			16.0
18.0	6.2	5.9	7.2	7.0	6.9	6.8	6.4	6.3	5.9	7.1	7.0	7.0	6.5	6.8	6.3	5.8	18.0
20.0	5.7	5.4	6.7	6.5	6.4	6.4	5.9	5.8	5.5	6.6	6.6	6.5	6.0	6.4	5.9	5.5	20.0
22.0	5.2	4.9	6.3	6.1	6.0	6.0	5.4	5.3	5.0	6.3	6.2	6.2	5.6	6.0	5.4	5.1	22.0
24.0	4.8	4.5	5.9	5.7	5.7	5.6	5.0	4.9	4.6	5.9	5.9	5.8	5.2	5.7	5.1	4.7	24.0
26.0	4.4	4.1	5.5	5.4	5.4	5.1	4.6	4.5	4.2	5.6	5.6	5.5	4.8	5.3	4.7	4.4	26.0
28.0	4.1	3.8	5.2	5.1	5.1	4.8	4.3	4.1	3.8	5.3	5.3	5.2	4.5	5.0	4.3	4.0	28.0
30.0	3.8	3.5	4.9	4.8	4.8	4.4	4.0	3.8	3.5	5.0	5.0	5.0	4.2	4.6	4.0	3.7	30.0
32.0	3.5	3.3	4.7	4.6	4.6	4.1	3.7	3.5	3.2	4.8	4.8	4.7	3.9	4.3	3.7	3.4	32.0
34.0	3.3	3.1	4.5	4.4	4.4	3.8	3.5	3.2	2.9	4.6	4.6	4.5	3.7	4.0	3.4	3.1	34.0
36.0	3.1	2.8	4.3	4.2	4.1	3.6	3.3	2.9	2.7	4.4	4.4	4.3	3.5	3.7	3.1	2.9	36.0
38.0	2.9	2.7	4.1	4.0	3.8	3.3	3.1	2.7	2.5	4.2	4.2	4.1	3.3	3.4	2.9	2.6	38.0
40.0	2.7	2.5	3.5	3.9	3.5	3.1	2.9	2.5	2.2	3.6	3.9	3.8	3.1	3.1	2.7	2.4	40.0
42.0	2.6	2.3	3.0	3.7	3.3	2.9	2.8	2.3	2.1	3.1	3.4	3.5	3.0	2.9	2.5	2.3	42.0
44.0			2.6	3.2	3.0	2.8	2.6	2.1	1.9	2.7	2.9	3.1	2.8	2.6	2.3	2.1	44.0
46.0			2.1					2.0	1.7	2.3	2.5	2.7	2.7	2.4	2.2	1.9	46.0
48.0									1.6	1.9	2.1	2.3	2.5	2.2	2.0	1.8	48.0
50.0										1.6						1.6	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	7.1	7.0	6.5	6.8	6.4	6.1	5.8		6.4	6.1	5.6						18.0
	20.0	6.7	6.7	6.2	6.6	6.3	5.9	5.7	4.9	6.2	6.0	5.5	5.7	5.3	4.6	5.4	5.1	20.0
	22.0	6.3	6.3	5.7	6.2	6.1	5.6	5.5	4.8	6.0	5.8	5.4	5.6	5.2	4.5	5.3	5.0	22.0
	24.0	6.0	6.0	5.3	5.9	5.8	5.2	5.1	4.7	5.8	5.6	5.2	5.4	5.0	4.4	5.2	4.9	24.0
	26.0	5.7	5.7	5.0	5.6	5.4	4.8	4.8	4.5	5.6	5.5	4.9	5.3	4.9	4.3	5.0	4.8	26.0
	28.0	5.4	5.4	4.7	5.3	5.1	4.5	4.4	4.2	5.5	5.3	4.6	5.1	4.5	4.2	4.9	4.7	28.0
	30.0	5.2	5.1	4.4	5.1	4.8	4.2	4.1	3.9	5.2	5.2	4.3	4.9	4.2	4.0	4.8	4.6	30.0
	32.0	4.9	4.9	4.1	4.9	4.5	3.9	3.8	3.6	5.0	5.0	4.0	4.6	4.0	3.7	4.7	4.5	32.0
	34.0	4.7	4.7	3.9	4.6	4.2	3.6	3.5	3.3	4.8	4.8	3.8	4.3	3.7	3.5	4.5	4.4	34.0
	36.0	4.4	4.5	3.7	4.4	3.9	3.3	3.3	3.1	4.2	4.4	3.5	4.1	3.4	3.2	4.1	4.2	36.0
	38.0	3.8	3.9	3.5	4.2	3.6	3.1	3.1	2.8	3.6	3.8	3.3	3.8	3.2	3.0	3.5	3.8	38.0
	40.0	3.3	3.4	3.3	3.7	3.4	2.9	2.9	2.7	3.0	3.3	3.1	3.6	3.0	2.8	2.9	3.3	40.0
	42.0	2.8	2.9	3.2	3.2	3.1	2.7	2.6	2.5	2.5	2.8	2.9	3.2	2.8	2.6	2.5	2.8	42.0
	44.0	2.3	2.4	2.8	2.8	2.9	2.6	2.4	2.3	2.1	2.3	2.7	2.8	2.6	2.4	2.0	2.4	44.0
	46.0	1.9	2.0	2.4	2.4	2.7	2.4	2.2	2.1	1.7	1.9	2.4	2.4	2.4	2.2	1.6	1.9	46.0
	48.0	1.5	1.7	2.0	2.0	2.3	2.2	2.0	1.9	1.3	1.6	2.0	2.0	2.2	2.1	1.2	1.6	48.0
	50.0	1.2	1.3	1.7	1.7	1.9	2.1	1.9	1.7		1.2	1.7	1.7	2.0	1.9		1.2	50.0
	54.0			1.1					1.4			1.1	1.1	1.4	1.4			54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	30	30	30	30	30	30	30	30									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	4.8	4.8															20.0
	22.0	4.7	4.7	3.9	4.5	4.2												22.0
	24.0	4.6	4.6	3.9	4.5	4.1	3.4	3.7										24.0
	26.0	4.5	4.5	3.8	4.4	4.1	3.3	3.7	2.7									26.0
	28.0	4.4	4.4	3.7	4.3	4.0	3.3	3.6	2.7									28.0
	30.0	4.3	4.3	3.7	4.2	3.9	3.3	3.6	2.7									30.0
	32.0	4.0	4.0	3.6	4.1	3.9	3.2	3.5	2.7									32.0
	34.0	3.8	3.8	3.5	4.0	3.8	3.2	3.5	2.7									34.0
	36.0	3.6	3.5	3.3	4.0	3.6	3.1	3.4	2.7									36.0
	38.0	3.4	3.3	3.1	3.5	3.4	3.1	3.4	2.7									38.0
	40.0	3.1	3.1	2.9	3.0	3.2	3.0	2.9	2.5									40.0
	42.0	3.0	2.9	2.7	2.5	2.9	2.7	2.5	2.1									42.0
	44.0	2.7	2.7	2.6	2.0	2.4	2.3	2.1	1.7									44.0
	46.0	2.3	2.5	2.3	1.6	2.0	1.9	1.7	1.4									46.0
	48.0	1.9	2.1	2.0	1.3	1.7	1.6	1.4	1.0									48.0
	50.0	1.6	1.8	1.6		1.3	1.3	1.0										50.0
	54.0		1.2	1.1														54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	7.9	8.2	8.2	8.2	8.1												12.0
14.0	7.1	7.4	7.4	7.4	7.4	7.3	7.6	7.6	7.6	7.4	7.3	7.1	7.8	7.7			14.0
16.0	6.4	6.8	6.8	6.8	6.8	6.7	7.0	7.0	7.0	6.9	6.6	6.3	7.2	7.2	7.0	6.9	16.0
18.0	5.9	6.2	6.2	6.2	6.2	6.1	6.5	6.5	6.4	6.3	6.0	5.7	6.7	6.7	6.5	6.4	18.0
20.0	5.4	5.8	5.7	5.7	5.7	5.7	6.0	6.0	6.0	5.9	5.4	5.1	6.2	6.2	6.1	6.0	20.0
22.0	5.0	5.4	5.3	5.3	5.3	5.3	5.6	5.6	5.6	5.5	4.9	4.7	5.8	5.8	5.7	5.6	22.0
24.0	4.6	5.0	5.0	5.0	5.0	4.9	5.3	5.2	5.2	5.2	4.5	4.3	5.5	5.5	5.4	5.3	24.0
26.0	4.3	4.7	4.6	4.6	4.6	4.6	5.0	4.9	4.9	4.9	4.1	3.9	5.2	5.2	5.1	4.9	26.0
28.0	4.0	4.4	4.4	4.4	4.4	4.3	4.7	4.6	4.6	4.6	3.8	3.6	4.9	4.9	4.8	4.5	28.0
30.0		4.2	4.1	4.1	4.1	4.1	4.4	4.4	4.4	4.3	3.5	3.3	4.7	4.6	4.6	4.2	30.0
32.0		4.0					4.2	4.2	4.2	4.1	3.3	3.0	4.4	4.4	4.4	3.9	32.0
34.0							4.0	4.0	4.0	4.0	3.0	2.8	4.3	4.2	4.2	3.6	34.0
36.0												2.6	4.1	4.1	4.0	3.3	36.0
38.0													3.9	3.9	3.9	3.1	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	6.7	6.4	7.3	7.1	7.0	7.0	6.8										16.0
18.0	6.1	5.8	6.8	6.6	6.6	6.5	6.2	6.2	5.8	6.7	6.7	6.6	6.4	6.3	5.9		18.0
20.0	5.6	5.3	6.4	6.2	6.2	6.1	5.8	5.7	5.4	6.4	6.3	6.3	5.9	6.1	5.7	5.2	20.0
22.0	5.1	4.8	6.0	5.9	5.8	5.8	5.3	5.2	5.0	6.0	6.0	5.9	5.5	5.8	5.3	5.0	22.0
24.0	4.7	4.5	5.7	5.5	5.5	5.4	4.9	4.8	4.6	5.7	5.6	5.6	5.1	5.5	5.0	4.7	24.0
26.0	4.4	4.1	5.4	5.3	5.2	5.1	4.6	4.5	4.2	5.4	5.4	5.3	4.7	5.2	4.6	4.3	26.0
28.0	4.0	3.8	5.1	5.0	5.0	4.8	4.3	4.1	3.9	5.2	5.1	5.1	4.4	4.9	4.3	4.0	28.0
30.0	3.8	3.5	4.9	4.8	4.7	4.4	4.0	3.8	3.5	4.9	4.9	4.9	4.2	4.6	4.0	3.7	30.0
32.0	3.5	3.3	4.6	4.5	4.5	4.1	3.7	3.5	3.2	4.7	4.7	4.7	3.9	4.3	3.7	3.4	32.0
34.0	3.3	3.0	4.4	4.3	4.3	3.8	3.5	3.2	2.9	4.5	4.5	4.5	3.7	4.0	3.4	3.1	34.0
36.0	3.1	2.8	4.3	4.2	4.0	3.6	3.3	2.9	2.7	4.3	4.3	4.3	3.5	3.7	3.1	2.9	36.0
38.0	2.9	2.7	4.1	4.0	3.8	3.3	3.1	2.7	2.4	4.2	4.2	4.1	3.3	3.4	2.9	2.7	38.0
40.0			3.6	3.9	3.5	3.1	3.0	2.5	2.2	3.7	3.9	3.8	3.1	3.1	2.7	2.4	40.0
42.0			3.0	3.7	3.3	2.9	2.8	2.3	2.1	3.2	3.4	3.6	3.0	2.9	2.5	2.3	42.0
44.0									1.9	2.7	3.0	3.1	2.9	2.7	2.4	2.1	44.0
46.0										2.3	2.5	2.7	2.7	2.4	2.2	1.9	46.0
48.0																1.8	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	6.5	6.4	6.0	6.3													18.0
	20.0	6.3	6.2	5.8	6.1	5.8	5.5	5.2	4.6	5.7	5.5	5.1	5.3	4.9		5.0		20.0
	22.0	6.1	6.0	5.6	5.9	5.6	5.3	5.1	4.5	5.5	5.3	4.9	5.1	4.7	4.1	4.8	4.6	22.0
	24.0	5.8	5.7	5.2	5.6	5.4	5.1	4.9	4.4	5.3	5.1	4.8	5.0	4.6	4.1	4.7	4.5	24.0
	26.0	5.5	5.5	4.9	5.4	5.2	4.8	4.7	4.3	5.1	5.0	4.7	4.8	4.5	4.0	4.6	4.4	26.0
	28.0	5.2	5.2	4.6	5.2	5.0	4.5	4.4	4.2	5.0	4.8	4.5	4.7	4.4	3.9	4.5	4.3	28.0
	30.0	5.0	5.0	4.3	5.0	4.7	4.2	4.1	3.8	4.8	4.7	4.3	4.6	4.2	3.8	4.3	4.2	30.0
	32.0	4.8	4.8	4.1	4.8	4.5	3.9	3.8	3.6	4.6	4.5	4.0	4.4	3.9	3.7	4.2	4.1	32.0
	34.0	4.6	4.6	3.9	4.6	4.2	3.6	3.6	3.3	4.5	4.4	3.8	4.3	3.7	3.4	4.1	3.9	34.0
	36.0	4.5	4.5	3.7	4.4	3.9	3.4	3.3	3.1	4.3	4.2	3.5	4.1	3.5	3.2	4.0	3.8	36.0
	38.0	3.9	4.0	3.5	4.2	3.6	3.1	3.1	2.9	3.7	4.0	3.3	3.8	3.2	3.0	3.6	3.7	38.0
	40.0	3.4	3.5	3.3	3.8	3.4	2.9	2.9	2.7	3.1	3.4	3.1	3.6	3.0	2.8	3.1	3.4	40.0
	42.0	2.8	3.0	3.2	3.3	3.1	2.7	2.7	2.5	2.6	2.9	2.9	3.3	2.8	2.6	2.6	2.9	42.0
	44.0	2.4	2.5	2.9	2.8	2.9	2.6	2.5	2.3	2.2	2.4	2.7	2.9	2.6	2.4	2.1	2.4	44.0
	46.0	2.0	2.1	2.4	2.4	2.7	2.4	2.3	2.1	1.8	2.0	2.5	2.4	2.5	2.3	1.7	2.0	46.0
	48.0	1.6	1.7	2.1	2.0	2.3	2.3	2.1	1.9	1.4	1.6	2.1	2.1	2.3	2.1	1.3	1.7	48.0
	50.0		1.3	1.7	1.7	2.0		1.9	1.7	1.0	1.3	1.7	1.7	2.1	1.9		1.3	50.0
	54.0														1.4			54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	40	40	40	40	40	40	40	40									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	4.4	4.3		4.2	3.9												22.0
	24.0	4.3	4.2	3.5	4.1	3.8	3.1	3.4										24.0
	26.0	4.2	4.1	3.5	4.0	3.7	3.1	3.4	2.6									26.0
	28.0	4.1	4.0	3.4	3.9	3.6	3.0	3.3	2.5									28.0
	30.0	4.0	4.0	3.4	3.8	3.6	3.0	3.2	2.5									30.0
	32.0	3.9	3.9	3.3	3.7	3.5	2.9	3.2	2.5									32.0
	34.0	3.8	3.7	3.2	3.6	3.4	2.9	3.1	2.5									34.0
	36.0	3.6	3.5	3.2	3.6	3.4	2.8	3.1	2.4									36.0
	38.0	3.4	3.3	3.1	3.5	3.3	2.8	3.0	2.4									38.0
	40.0	3.2	3.1	2.9	3.1	3.2	2.8	3.0	2.4									40.0
	42.0	3.0	2.9	2.7	2.6	3.0	2.7	2.7	2.3									42.0
	44.0	2.8	2.8	2.6	2.2	2.5	2.4	2.2	1.9									44.0
	46.0	2.4	2.5	2.4	1.7	2.1	2.1	1.9	1.5									46.0
	48.0	2.0	2.1	2.1	1.4	1.8	1.7	1.5	1.2									48.0
	50.0	1.6	1.8	1.7	1.0	1.4	1.4	1.1										50.0
	54.0	1.0	1.2	1.1														54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0	16.6																4.0
4.5	16.6																4.5
5.0	16.6	16.4	16.6	16.6	16.5												5.0
6.0	15.7	15.6	15.9	15.9	15.7	14.4	15.3	15.5	15.3	13.2							6.0
7.0	14.7	14.8	15.1	15.0	14.9	13.8	14.7	14.9	14.7	13.1	11.8	10.8	14.2	14.3	12.2		7.0
8.0	13.5	14.1	14.2	14.1	14.1	13.2	14.1	14.2	14.0	12.8	11.6	10.6	13.7	13.8	12.1	11.0	8.0
9.0	12.3	13.2	13.2	13.2	13.2	12.5	13.4	13.5	13.4	12.3	11.2	10.4	13.2	13.3	11.9	11.0	9.0
10.0	11.4	12.3	12.3	12.3	12.2	11.8	12.7	12.8	12.7	11.8	10.7	10.0	12.7	12.8	11.6	10.9	10.0
12.0	9.8	10.7	10.7	10.7	10.6	10.3	11.3	11.3	11.2	10.7	9.4	8.9	11.6	11.6	10.8	10.3	12.0
14.0	8.4	9.4	9.3	9.3	9.3	9.1	10.1	10.0	10.0	9.6	8.2	7.7	10.5	10.4	9.9	9.4	14.0
16.0	7.4	8.2	8.2	8.2	8.2	8.0	9.0	8.9	8.9	8.6	7.2	6.9	9.5	9.5	9.0	8.4	16.0
18.0	6.6	7.3	7.3	7.3	7.3	7.2	8.0	7.9	7.9	7.7	6.4	6.0	8.6	8.5	8.2	7.6	18.0
20.0	5.9	6.6	6.6	6.6	6.6	6.5	7.2	7.1	7.1	7.0	5.7	5.4	7.8	7.7	7.5	6.8	20.0
22.0	5.4	6.0	6.0	6.0	6.0	5.9	6.6	6.5	6.5	6.4	5.1	4.8	7.1	7.0	6.8	6.1	22.0
24.0	4.9	5.5	5.5	5.5	5.5	5.4	6.0	6.0	6.0	5.9	4.6	4.3	6.5	6.4	6.3	5.5	24.0
26.0	4.5	5.1	5.1	5.1	5.1	5.0	5.6	5.5	5.5	5.4	4.2	4.0	6.0	6.0	5.8	5.0	26.0
28.0	4.1	4.7	4.7	4.7	4.7	4.6	5.2	5.2	5.1	5.0	3.9	3.6	5.6	5.6	5.4	4.6	28.0
30.0	3.9	4.4	4.3	4.3	4.3	4.2	4.8	4.8	4.8	4.7	3.6	3.3	5.2	5.2	5.1	4.2	30.0
32.0	3.6	4.1	4.0	4.0	4.0	3.9	4.5	4.5	4.5	4.3	3.3	3.1	4.7	4.9	4.8	3.9	32.0
34.0		3.8	3.8	3.8	3.8	3.7	4.2	4.2	4.2	4.1	3.0	2.8	4.0	4.6	4.5	3.6	34.0
36.0		3.6	3.6	3.6	3.6	3.5	3.7	3.9	3.9	3.8	2.8	2.6	3.4	4.1	4.2	3.3	36.0
38.0							3.2	3.7	3.7	3.6	2.6	2.4	2.9	3.6	3.9	3.0	38.0
40.0							2.7	3.3	3.6	3.5	2.5	2.3	2.5	3.1	3.6	2.8	40.0
42.0												2.1	2.1	2.7	3.2	2.7	42.0
44.0													1.8	2.4	2.9	2.5	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	10.2	9.4	12.9	11.3	10.6												8.0
9.0	10.2	9.3	12.6	11.2	10.5	9.9	9.4	8.4	7.3	10.2	10.1	9.6	8.9				9.0
10.0	10.1	9.1	12.3	11.1	10.4	9.8	9.4	8.4	7.3	10.1	10.0	9.6	8.9	8.5	7.5	6.5	10.0
12.0	9.5	8.8	11.5	10.7	10.2	9.7	9.2	8.4	7.3	9.9	9.9	9.4	8.8	8.5	7.5	6.5	12.0
14.0	8.5	8.1	10.7	10.0	9.7	9.3	8.8	8.1	7.2	9.7	9.6	9.3	8.5	8.4	7.5	6.5	14.0
16.0	7.5	7.1	9.8	9.3	9.0	8.5	7.9	7.4	7.0	9.2	9.1	8.9	8.1	8.2	7.3	6.4	16.0
18.0	6.8	6.4	9.0	8.6	8.4	7.8	7.1	6.7	6.4	8.7	8.6	8.4	7.4	7.7	6.8	6.3	18.0
20.0	6.1	5.8	8.2	7.9	7.8	7.1	6.5	6.1	5.7	8.1	8.1	7.9	6.8	7.1	6.2	5.8	20.0
22.0	5.5	5.2	7.5	7.3	7.2	6.4	5.9	5.5	5.2	7.6	7.5	7.4	6.2	6.6	5.7	5.3	22.0
24.0	5.0	4.7	6.9	6.7	6.6	5.8	5.4	5.0	4.6	7.1	7.0	6.9	5.7	6.0	5.2	4.9	24.0
26.0	4.6	4.3	6.4	6.2	6.1	5.3	4.9	4.5	4.2	6.6	6.5	6.4	5.2	5.5	4.8	4.4	26.0
28.0	4.2	3.9	6.0	5.8	5.6	4.9	4.5	4.1	3.8	6.1	6.1	6.0	4.8	5.1	4.3	4.0	28.0
30.0	3.9	3.6	5.4	5.4	5.2	4.5	4.2	3.7	3.4	5.5	5.7	5.6	4.5	4.7	4.0	3.7	30.0
32.0	3.6	3.4	4.6	5.1	4.8	4.2	3.9	3.4	3.1	4.7	5.0	5.1	4.2	4.3	3.7	3.4	32.0
34.0	3.4	3.1	4.0	4.7	4.4	3.9	3.6	3.2	2.9	4.0	4.3	4.5	3.9	3.9	3.4	3.1	34.0
36.0	3.1	2.9	3.4	4.1	4.1	3.6	3.4	2.9	2.6	3.5	3.7	3.9	3.7	3.6	3.1	2.8	36.0
38.0	2.9	2.7	2.9	3.6	3.8	3.4	3.2	2.7	2.4	3.0	3.2	3.4	3.4	3.3	2.9	2.6	38.0
40.0	2.7	2.5	2.4	3.2	3.3	3.1	3.0	2.5	2.2	2.5	2.7	2.9	3.2	3.1	2.7	2.4	40.0
42.0	2.6	2.4	2.0	2.8	2.9	2.9	2.8	2.3	2.0	2.1	2.3	2.5	2.8	2.8	2.5	2.2	42.0
44.0	2.5	2.2	1.7	2.4	2.6	2.7	2.7	2.1	1.8	1.7	2.0	2.2	2.4	2.5	2.3	2.0	44.0
46.0		2.1	1.4	2.1	2.3	2.4	2.5	2.0	1.7	1.4	1.7	1.8	2.1	2.1	2.2	1.9	46.0
48.0			1.1	1.8	2.0	2.1	2.2	1.8	1.6	1.1	1.4	1.5	1.8	1.8	2.0	1.7	48.0
50.0									1.5		1.1	1.3	1.5	1.6	1.8	1.6	50.0
54.0																1.3	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0	9.2	8.9	8.1														10.0
	12.0	9.0	8.8	8.1	8.6	7.8	7.2	6.6	5.4	7.9	7.4	6.5	6.9	6.0				12.0
	14.0	8.9	8.7	8.0	8.5	7.8	7.2	6.6	5.4	7.8	7.4	6.5	6.9	6.0	4.9	6.4	5.9	14.0
	16.0	8.8	8.6	7.9	8.4	7.8	7.2	6.6	5.4	7.7	7.4	6.5	6.9	6.0	4.9	6.4	5.9	16.0
	18.0	8.5	8.3	7.5	8.2	7.6	6.9	6.6	5.4	7.6	7.3	6.5	6.9	6.0	4.9	6.4	5.9	18.0
	20.0	8.1	8.0	7.0	7.8	7.2	6.4	6.2	5.4	7.5	7.2	6.3	6.8	6.0	4.9	6.4	5.9	20.0
	22.0	7.7	7.6	6.5	7.4	6.7	5.9	5.8	5.3	7.3	7.1	5.9	6.6	5.8	4.9	6.4	5.9	22.0
	24.0	7.2	7.2	6.0	7.0	6.2	5.5	5.4	5.0	7.1	6.9	5.5	6.2	5.4	4.9	6.4	5.9	24.0
	26.0	6.8	6.7	5.6	6.6	5.8	5.0	5.0	4.7	6.4	6.6	5.2	5.8	5.1	4.7	6.0	5.7	26.0
	28.0	5.9	6.0	5.1	6.2	5.3	4.6	4.6	4.3	5.4	5.7	4.8	5.5	4.7	4.4	5.1	5.5	28.0
	30.0	5.0	5.1	4.8	5.5	4.9	4.3	4.2	4.0	4.6	4.9	4.5	5.1	4.4	4.1	4.3	4.7	30.0
	32.0	4.2	4.4	4.4	4.8	4.5	3.9	3.9	3.6	3.9	4.2	4.1	4.7	4.1	3.8	3.6	4.0	32.0
	34.0	3.6	3.7	4.1	4.1	4.2	3.6	3.6	3.3	3.3	3.5	3.9	4.0	3.8	3.5	3.0	3.4	34.0
	36.0	3.0	3.1	3.5	3.5	3.8	3.4	3.3	3.1	2.7	3.0	3.5	3.5	3.5	3.3	2.5	2.9	36.0
	38.0	2.5	2.6	3.0	3.0	3.3	3.2	3.0	2.8	2.2	2.5	3.0	3.0	3.3	3.0	2.0	2.4	38.0
	40.0	2.0	2.2	2.6	2.5	2.8	2.9	2.8	2.6	1.7	2.0	2.5	2.5	2.9	2.8	1.6	2.0	40.0
	42.0	1.6	1.8	2.2	2.1	2.4	2.7	2.6	2.4	1.3	1.6	2.1	2.1	2.5	2.4	1.2	1.6	42.0
	44.0	1.3	1.4	1.8	1.8	2.1	2.3	2.4	2.2		1.3	1.7	1.7	2.1	2.0		1.2	44.0
	46.0		1.1	1.5	1.5	1.7	2.0	2.1	2.0			1.4	1.4	1.8	1.7			46.0
	48.0			1.2	1.2	1.5	1.7	1.8	1.7			1.1	1.1	1.5	1.4			48.0
	50.0					1.2	1.4	1.6	1.5					1.2	1.1			50.0
	54.0							1.1	1.0									54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	0	0	0	0	0	0	0	0									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	5.4	5.3		5.1	4.6												14.0
	16.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9										16.0
	18.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									18.0
	20.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									20.0
	22.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									22.0
	24.0	5.3	5.2	4.1	5.1	4.6	3.4	3.9	2.7									24.0
	26.0	5.0	5.0	4.1	5.1	4.6	3.4	3.9	2.7									26.0
	28.0	4.7	4.7	4.1	4.9	4.6	3.4	3.9	2.7									28.0
	30.0	4.5	4.4	4.0	4.1	4.4	3.4	3.9	2.7									30.0
	32.0	4.2	4.2	3.9	3.4	3.9	3.4	3.3	2.7									32.0
	34.0	3.8	3.9	3.6	2.9	3.3	3.0	2.8	2.3									34.0
	36.0	3.2	3.5	3.1	2.4	2.8	2.5	2.3	1.8									36.0
	38.0	2.8	3.0	2.7	1.9	2.3	2.0	1.8	1.4									38.0
	40.0	2.4	2.6	2.3	1.5	1.9	1.6	1.4										40.0
	42.0	2.0	2.1	1.9	1.2	1.6	1.3	1.1										42.0
	44.0	1.6	1.8	1.6		1.3												44.0
	46.0	1.3	1.5	1.3														46.0
	48.0		1.2	1.0														48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0	13.5		14.1														7.0
	8.0	12.4	13.0	13.0	13.0	13.0	12.5	13.2	13.4	13.2								8.0
	9.0	11.4	12.1	12.1	12.0	12.0	11.7	12.5	12.5	12.4	11.7	11.0		12.5	12.5			9.0
	10.0	10.5	11.2	11.2	11.2	11.2	10.9	11.7	11.7	11.6	11.1	10.4	9.9	11.9	11.9	11.1	10.5	10.0
	12.0	9.2	9.8	9.8	9.8	9.8	9.6	10.3	10.3	10.2	9.9	9.0	8.6	10.7	10.6	10.1	9.8	12.0
	14.0	8.1	8.7	8.7	8.7	8.7	8.5	9.2	9.1	9.1	8.9	7.9	7.5	9.6	9.5	9.2	9.0	14.0
	16.0	7.1	7.8	7.8	7.7	7.7	7.6	8.3	8.3	8.2	8.0	7.0	6.6	8.7	8.6	8.3	8.2	16.0
	18.0	6.3	7.0	6.9	6.9	6.9	6.8	7.5	7.5	7.5	7.3	6.3	6.0	8.0	7.9	7.6	7.4	18.0
	20.0	5.8	6.3	6.3	6.3	6.3	6.2	6.8	6.8	6.8	6.6	5.6	5.3	7.3	7.2	7.0	6.7	20.0
	22.0	5.2	5.8	5.8	5.8	5.8	5.7	6.2	6.2	6.2	6.1	5.0	4.8	6.7	6.6	6.5	6.0	22.0
	24.0	4.8	5.3	5.3	5.3	5.3	5.2	5.8	5.7	5.7	5.6	4.6	4.3	6.2	6.1	6.0	5.4	24.0
	26.0	4.4	5.0	4.9	4.9	4.9	4.8	5.4	5.3	5.3	5.2	4.2	3.9	5.7	5.7	5.6	5.0	26.0
	28.0	4.1	4.6	4.5	4.5	4.6	4.5	5.0	5.0	4.9	4.9	3.8	3.6	5.4	5.3	5.2	4.6	28.0
	30.0	3.8	4.3	4.2	4.2	4.2	4.2	4.7	4.6	4.6	4.6	3.6	3.3	5.0	5.0	4.9	4.2	30.0
	32.0	3.6	4.0	4.0	4.0	4.0	3.9	4.4	4.3	4.3	4.3	3.3	3.0	4.7	4.7	4.6	3.9	32.0
	34.0		3.8	3.7	3.8	3.8	3.7	4.1	4.1	4.1	4.0	3.0	2.8	4.2	4.4	4.3	3.6	34.0
	36.0		3.6	3.6	3.6	3.6	3.5	3.8	3.9	3.9	3.8	2.8	2.6	3.6	4.2	4.1	3.3	36.0
	38.0							3.3	3.7	3.7	3.6	2.6	2.4	3.1	3.7	3.9	3.0	38.0
	40.0							2.8	3.3	3.6	3.4	2.5	2.3	2.6	3.2	3.7	2.8	40.0
	42.0												2.1	2.2	2.8	3.3	2.7	42.0
	44.0													1.8	2.4	2.9	2.5	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0			11.7														10.0
	12.0	9.2	8.7	10.8	10.2	9.8	9.4	9.1	8.4	7.3	9.8	9.7	9.4	8.8				12.0
	14.0	8.1	7.7	9.8	9.4	9.2	8.9	8.4	8.1	7.2	9.3	9.3	9.0	8.4	8.4	7.5	6.5	14.0
	16.0	7.3	6.9	9.0	8.6	8.5	8.3	7.5	7.4	7.0	8.7	8.6	8.5	7.8	8.0	7.3	6.4	16.0
	18.0	6.5	6.2	8.2	7.9	7.8	7.6	6.8	6.7	6.3	8.1	8.0	7.9	7.1	7.5	6.7	6.3	18.0
	20.0	5.9	5.6	7.6	7.3	7.2	6.9	6.2	6.0	5.7	7.5	7.5	7.4	6.5	7.0	6.2	5.8	20.0
	22.0	5.4	5.1	7.0	6.8	6.7	6.3	5.7	5.5	5.1	7.1	7.0	6.9	6.0	6.4	5.6	5.3	22.0
	24.0	4.9	4.6	6.5	6.3	6.3	5.8	5.2	5.0	4.7	6.6	6.5	6.5	5.5	5.9	5.2	4.8	24.0
	26.0	4.5	4.2	6.0	5.9	5.8	5.3	4.8	4.5	4.2	6.2	6.1	6.1	5.1	5.5	4.7	4.4	26.0
	28.0	4.1	3.9	5.7	5.5	5.4	4.8	4.4	4.1	3.8	5.8	5.7	5.7	4.7	5.1	4.3	4.0	28.0
	30.0	3.8	3.6	5.3	5.2	5.0	4.5	4.1	3.8	3.4	5.5	5.4	5.3	4.4	4.7	4.0	3.7	30.0
	32.0	3.6	3.3	4.9	4.9	4.7	4.2	3.8	3.4	3.1	5.0	5.1	5.0	4.1	4.3	3.7	3.4	32.0
	34.0	3.3	3.1	4.2	4.6	4.4	3.8	3.6	3.2	2.9	4.3	4.5	4.7	3.8	4.0	3.4	3.1	34.0
	36.0	3.1	2.9	3.6	4.3	4.1	3.6	3.4	2.9	2.6	3.7	3.9	4.1	3.6	3.6	3.1	2.8	36.0
	38.0	2.9	2.7	3.0	3.8	3.8	3.3	3.1	2.7	2.4	3.1	3.4	3.5	3.4	3.3	2.9	2.6	38.0
	40.0	2.7	2.5	2.6	3.3	3.5	3.1	2.9	2.5	2.2	2.7	2.9	3.1	3.2	3.1	2.7	2.4	40.0
	42.0	2.6	2.4	2.2	2.9	3.0	2.9	2.8	2.3	2.0	2.2	2.5	2.6	2.9	2.8	2.5	2.2	42.0
	44.0	2.5	2.2	1.8	2.5	2.7	2.7	2.6	2.1	1.9	1.9	2.1	2.3	2.5	2.6	2.3	2.1	44.0
	46.0		2.1	1.4	2.1	2.3	2.5	2.5	2.0	1.7	1.5	1.8	1.9	2.2	2.2	2.2	1.9	46.0
	48.0			1.1	1.8	2.0	2.2	2.3	1.8	1.6	1.2	1.5	1.6	1.9	1.9	2.0	1.8	48.0
	50.0									1.5		1.2	1.3	1.6	1.6	1.9	1.6	50.0
	54.0																1.4	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	8.9	8.7	8.1	8.5	7.8	7.2	6.6		7.8								14.0
	16.0	8.5	8.4	7.8	8.2	7.8	7.2	6.6	5.4	7.7	7.4	6.5	6.9	6.0	4.9	6.4	5.9	16.0
	18.0	8.1	8.0	7.2	7.8	7.4	6.8	6.6	5.4	7.6	7.3	6.5	6.9	6.0	4.9	6.4	5.9	18.0
	20.0	7.6	7.5	6.7	7.4	7.0	6.3	6.1	5.4	7.3	7.1	6.2	6.8	6.0	4.9	6.4	5.9	20.0
	22.0	7.1	7.1	6.2	7.0	6.5	5.8	5.7	5.3	7.0	6.9	5.8	6.5	5.7	4.9	6.4	5.9	22.0
	24.0	6.7	6.7	5.7	6.6	6.1	5.4	5.3	5.0	6.7	6.6	5.5	6.1	5.3	4.9	6.3	5.9	24.0
	26.0	6.3	6.3	5.3	6.2	5.7	5.0	4.9	4.6	6.3	6.2	5.1	5.7	5.0	4.7	6.1	5.6	26.0
	28.0	6.0	6.0	5.0	5.9	5.3	4.6	4.5	4.2	5.8	6.0	4.7	5.4	4.7	4.3	5.5	5.4	28.0
	30.0	5.3	5.4	4.6	5.6	4.9	4.2	4.2	3.9	5.0	5.2	4.4	5.0	4.3	4.0	4.7	5.0	30.0
	32.0	4.5	4.6	4.3	5.0	4.5	3.9	3.9	3.6	4.2	4.5	4.1	4.7	4.0	3.8	3.9	4.3	32.0
	34.0	3.8	4.0	4.1	4.3	4.2	3.6	3.6	3.3	3.6	3.8	3.8	4.3	3.7	3.5	3.3	3.7	34.0
	36.0	3.2	3.4	3.7	3.7	3.9	3.4	3.3	3.1	3.0	3.2	3.5	3.7	3.5	3.2	2.8	3.1	36.0
	38.0	2.7	2.8	3.2	3.2	3.5	3.1	3.0	2.8	2.4	2.7	3.2	3.2	3.2	3.0	2.3	2.7	38.0
	40.0	2.2	2.4	2.7	2.7	3.0	2.9	2.8	2.6	2.0	2.2	2.7	2.7	3.0	2.8	1.9	2.2	40.0
	42.0	1.8	1.9	2.3	2.3	2.6	2.7	2.6	2.4	1.5	1.8	2.3	2.3	2.6	2.6	1.4	1.8	42.0
	44.0	1.4	1.6	1.9	1.9	2.2	2.4	2.4	2.2	1.2	1.4	1.9	1.9	2.3	2.2	1.1	1.4	44.0
	46.0	1.1	1.2	1.6	1.6	1.9	2.1	2.2	2.0		1.1	1.6	1.5	1.9	1.8		1.1	46.0
	48.0			1.3	1.3	1.6	1.8	1.9	1.9			1.3	1.2	1.6	1.5			48.0
	50.0			1.0		1.3	1.5	1.7	1.6					1.3	1.3			50.0
	54.0						1.0	1.2	1.1									54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	10	10	10	10	10	10	10	10									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	5.4	5.3															16.0
	18.0	5.4	5.3	4.1	5.1	4.6		3.9										18.0
	20.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									20.0
	22.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									22.0
	24.0	5.2	5.2	4.1	5.1	4.6	3.4	3.9	2.7									24.0
	26.0	4.9	4.9	4.1	5.1	4.6	3.4	3.9	2.7									26.0
	28.0	4.7	4.6	4.1	5.1	4.6	3.4	3.9	2.7									28.0
	30.0	4.4	4.3	4.0	4.5	4.3	3.4	3.9	2.7									30.0
	32.0	4.1	4.1	3.8	3.8	4.1	3.4	3.7	2.7									32.0
	34.0	3.9	3.8	3.6	3.2	3.6	3.3	3.1	2.6									34.0
	36.0	3.5	3.6	3.4	2.6	3.1	2.7	2.6	2.1									36.0
	38.0	3.0	3.2	2.9	2.2	2.6	2.3	2.1	1.6									38.0
	40.0	2.6	2.8	2.5	1.7	2.2	1.9	1.7	1.3									40.0
	42.0	2.1	2.3	2.1	1.4	1.8	1.5	1.3										42.0
	44.0	1.8	1.9	1.8	1.0	1.5	1.2											44.0
	46.0	1.4	1.6	1.5		1.2												46.0
	48.0	1.1	1.3	1.2														48.0
	50.0		1.0															50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	10.6	11.0	11.0	11.0	11.0												9.0
10.0	9.9	10.3	10.3	10.3	10.3	10.1	10.6	10.6	10.6								10.0
12.0	8.6	9.1	9.1	9.1	9.1	8.9	9.5	9.5	9.4	9.2	8.7	8.3	9.8	9.7	9.4	9.2	12.0
14.0	7.7	8.2	8.1	8.1	8.1	8.0	8.5	8.5	8.5	8.3	7.7	7.3	8.8	8.8	8.5	8.4	14.0
16.0	6.8	7.4	7.4	7.4	7.3	7.2	7.7	7.7	7.7	7.5	6.8	6.5	8.1	8.0	7.8	7.6	16.0
18.0	6.2	6.7	6.6	6.6	6.6	6.6	7.1	7.1	7.0	6.9	6.1	5.8	7.4	7.4	7.1	7.1	18.0
20.0	5.6	6.1	6.1	6.1	6.0	6.0	6.5	6.5	6.4	6.3	5.5	5.2	6.8	6.8	6.6	6.5	20.0
22.0	5.1	5.6	5.6	5.6	5.6	5.5	6.0	5.9	5.9	5.8	5.0	4.7	6.3	6.3	6.1	5.9	22.0
24.0	4.7	5.2	5.1	5.1	5.1	5.1	5.6	5.5	5.5	5.4	4.5	4.3	5.9	5.8	5.7	5.4	24.0
26.0	4.4	4.8	4.8	4.8	4.8	4.7	5.2	5.1	5.1	5.1	4.2	3.9	5.5	5.5	5.3	5.0	26.0
28.0	4.0	4.5	4.5	4.5	4.5	4.4	4.8	4.8	4.8	4.7	3.8	3.6	5.2	5.1	5.0	4.6	28.0
30.0	3.8	4.2	4.2	4.2	4.2	4.1	4.6	4.5	4.5	4.5	3.5	3.3	4.9	4.8	4.7	4.2	30.0
32.0	3.6	4.0	3.9	3.9	3.9	3.9	4.3	4.3	4.2	4.2	3.3	3.0	4.6	4.6	4.5	3.9	32.0
34.0		3.8	3.7	3.7	3.7	3.7	4.1	4.0	4.0	4.0	3.0	2.8	4.3	4.3	4.3	3.6	34.0
36.0		3.6	3.6	3.6	3.6	3.5	3.9	3.8	3.8	3.8	2.8	2.6	3.8	4.1	4.0	3.3	36.0
38.0							3.4	3.7	3.7	3.6	2.6	2.4	3.2	3.8	3.8	3.1	38.0
40.0							2.9	3.4	3.5	3.4	2.5	2.3	2.7	3.3	3.7	2.8	40.0
42.0													2.3	2.9	3.4	2.7	42.0
44.0													1.9	2.5	3.0	2.5	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0			9.9														12.0
14.0	7.8	7.5	9.0	8.7	8.5	8.4	8.0	7.8		8.7	8.7	8.5	8.1				14.0
16.0	7.0	6.7	8.3	8.0	7.9	7.8	7.2	7.1	6.7	8.1	8.1	7.9	7.4	7.7	7.2	6.4	16.0
18.0	6.4	6.0	7.6	7.4	7.3	7.2	6.6	6.5	6.1	7.5	7.5	7.4	6.8	7.2	6.6	6.2	18.0
20.0	5.8	5.5	7.1	6.8	6.8	6.7	6.0	5.9	5.6	7.0	7.0	6.9	6.2	6.7	6.0	5.7	20.0
22.0	5.3	5.0	6.6	6.4	6.3	6.2	5.5	5.4	5.1	6.6	6.5	6.5	5.7	6.3	5.6	5.2	22.0
24.0	4.8	4.5	6.2	6.0	5.9	5.7	5.1	4.9	4.6	6.2	6.2	6.1	5.3	5.8	5.1	4.8	24.0
26.0	4.4	4.2	5.8	5.6	5.6	5.2	4.7	4.5	4.2	5.8	5.8	5.8	4.9	5.4	4.7	4.4	26.0
28.0	4.1	3.8	5.4	5.3	5.2	4.8	4.3	4.1	3.8	5.5	5.5	5.4	4.6	5.0	4.3	4.0	28.0
30.0	3.8	3.6	5.1	5.0	4.9	4.4	4.1	3.8	3.5	5.2	5.2	5.1	4.3	4.6	4.0	3.7	30.0
32.0	3.5	3.3	4.8	4.7	4.7	4.1	3.8	3.5	3.2	5.0	4.9	4.8	4.0	4.3	3.7	3.4	32.0
34.0	3.3	3.1	4.4	4.5	4.4	3.8	3.5	3.2	2.9	4.5	4.7	4.6	3.8	4.0	3.4	3.1	34.0
36.0	3.1	2.8	3.7	4.3	4.1	3.6	3.3	2.9	2.7	3.9	4.1	4.2	3.5	3.6	3.1	2.9	36.0
38.0	2.9	2.7	3.2	3.9	3.8	3.3	3.1	2.7	2.4	3.3	3.5	3.7	3.3	3.4	2.9	2.6	38.0
40.0	2.7	2.5	2.7	3.4	3.5	3.1	2.9	2.5	2.2	2.8	3.0	3.2	3.2	3.1	2.7	2.4	40.0
42.0	2.6	2.4	2.3	3.0	3.1	2.9	2.8	2.3	2.0	2.4	2.6	2.8	3.0	2.8	2.5	2.2	42.0
44.0	2.4	2.2	1.9	2.6	2.7	2.7	2.6	2.1	1.9	2.0	2.2	2.4	2.6	2.6	2.3	2.1	44.0
46.0			1.5	2.2	2.4	2.5	2.5	2.0	1.7	1.6	1.8	2.0	2.3	2.3	2.2	1.9	46.0
48.0			1.2	1.9	2.0	2.2	2.3	1.8	1.6	1.3	1.5	1.7	1.9	2.0	2.0	1.8	48.0
50.0									1.5		1.2	1.4	1.6	1.7	1.9	1.6	50.0
54.0																1.4	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	8.0	8.0	7.5	7.8	7.4	7.0											16.0
	18.0	7.6	7.5	6.9	7.4	7.2	6.7	6.4	5.4	7.2	6.9	6.3	6.6	6.0		6.2	5.8	18.0
	20.0	7.1	7.1	6.4	7.0	6.8	6.2	6.1	5.4	7.0	6.7	6.1	6.4	5.9	4.9	6.1	5.7	20.0
	22.0	6.7	6.7	5.9	6.6	6.4	5.7	5.6	5.3	6.6	6.5	5.7	6.3	5.6	4.9	6.0	5.6	22.0
	24.0	6.3	6.3	5.5	6.2	6.0	5.3	5.2	4.9	6.3	6.2	5.4	6.0	5.3	4.9	5.9	5.5	24.0
	26.0	6.0	5.9	5.1	5.9	5.5	4.9	4.8	4.6	6.0	5.9	5.0	5.6	4.9	4.6	5.7	5.4	26.0
	28.0	5.6	5.6	4.8	5.6	5.2	4.5	4.5	4.2	5.7	5.6	4.7	5.3	4.6	4.3	5.6	5.3	28.0
	30.0	5.4	5.3	4.5	5.3	4.8	4.2	4.1	3.9	5.3	5.4	4.3	4.9	4.3	4.0	5.0	5.0	30.0
	32.0	4.8	4.9	4.2	5.0	4.5	3.9	3.8	3.6	4.5	4.8	4.0	4.6	4.0	3.7	4.3	4.6	32.0
	34.0	4.1	4.2	4.0	4.5	4.2	3.6	3.6	3.3	3.8	4.1	3.8	4.4	3.7	3.5	3.6	4.0	34.0
	36.0	3.4	3.6	3.8	3.9	3.9	3.3	3.3	3.1	3.2	3.4	3.5	3.9	3.5	3.2	3.0	3.4	36.0
	38.0	2.9	3.0	3.4	3.4	3.6	3.1	3.1	2.8	2.6	2.9	3.3	3.3	3.2	3.0	2.5	2.9	38.0
	40.0	2.4	2.5	2.9	2.9	3.2	2.9	2.8	2.6	2.2	2.4	2.9	2.9	3.0	2.8	2.1	2.4	40.0
	42.0	2.0	2.1	2.5	2.4	2.7	2.7	2.6	2.5	1.7	2.0	2.4	2.4	2.8	2.6	1.6	2.0	42.0
	44.0	1.6	1.7	2.1	2.0	2.3	2.5	2.4	2.3	1.3	1.6	2.0	2.0	2.4	2.3	1.2	1.6	44.0
	46.0	1.2	1.3	1.7	1.7	2.0	2.2	2.2	2.1		1.2	1.7	1.7	2.0	2.0		1.2	46.0
	48.0		1.0	1.4	1.4	1.6	1.9	2.0	1.9			1.4	1.3	1.7	1.6			48.0
	50.0			1.1	1.1	1.3	1.6	1.7	1.7			1.1	1.0	1.4	1.4			50.0
	54.0						1.0	1.2	1.1									54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	20	20	20	20	20	20	20	20									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	5.4	5.3		5.1	4.6												20.0
	22.0	5.3	5.3	4.1	5.1	4.6	3.4	3.9										22.0
	24.0	5.2	5.1	4.1	5.0	4.6	3.4	3.9	2.7									24.0
	26.0	4.9	4.8	4.1	5.0	4.6	3.4	3.9	2.7									26.0
	28.0	4.6	4.6	4.1	4.9	4.5	3.4	3.9	2.7									28.0
	30.0	4.3	4.3	4.0	4.8	4.3	3.4	3.9	2.7									30.0
	32.0	4.1	4.0	3.8	4.1	4.1	3.4	3.9	2.7									32.0
	34.0	3.8	3.8	3.5	3.5	3.8	3.4	3.4	2.7									34.0
	36.0	3.6	3.6	3.3	2.9	3.3	3.0	2.8	2.4									36.0
	38.0	3.2	3.3	3.1	2.4	2.8	2.5	2.3	1.9									38.0
	40.0	2.7	2.9	2.7	2.0	2.4	2.1	1.9	1.5									40.0
	42.0	2.3	2.5	2.3	1.6	2.0	1.7	1.5	1.1									42.0
	44.0	1.9	2.1	1.9	1.2	1.6	1.4	1.2										44.0
	46.0	1.6	1.7	1.6		1.3	1.1											46.0
	48.0	1.2	1.4	1.3														48.0
	50.0		1.1															50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	9.4																10.0
12.0	8.2	8.6	8.6	8.6	8.6	8.4	8.8	8.8	8.8	8.6							12.0
14.0	7.4	7.8	7.7	7.7	7.7	7.6	8.0	8.0	8.0	7.8	7.5	7.2	8.2	8.2	8.0	7.9	14.0
16.0	6.6	7.0	7.0	7.0	7.0	6.9	7.3	7.3	7.3	7.1	6.7	6.4	7.6	7.5	7.3	7.2	16.0
18.0	6.0	6.4	6.4	6.4	6.4	6.3	6.8	6.7	6.7	6.6	6.0	5.7	7.0	6.9	6.8	6.7	18.0
20.0	5.5	5.9	5.9	5.9	5.9	5.8	6.2	6.2	6.2	6.1	5.5	5.2	6.5	6.5	6.3	6.2	20.0
22.0	5.0	5.5	5.4	5.4	5.4	5.4	5.8	5.7	5.7	5.6	5.0	4.7	6.1	6.0	5.9	5.8	22.0
24.0	4.7	5.1	5.0	5.0	5.0	5.0	5.4	5.4	5.3	5.3	4.5	4.3	5.7	5.6	5.5	5.4	24.0
26.0	4.3	4.7	4.7	4.7	4.7	4.7	5.0	5.0	5.0	4.9	4.1	3.9	5.3	5.3	5.2	5.0	26.0
28.0	4.0	4.4	4.4	4.4	4.4	4.4	4.7	4.7	4.7	4.6	3.8	3.6	5.0	5.0	4.9	4.6	28.0
30.0	3.8	4.2	4.1	4.1	4.1	4.1	4.5	4.4	4.4	4.4	3.5	3.3	4.7	4.7	4.6	4.2	30.0
32.0		3.9	3.9	3.9	3.9	3.9	4.2	4.2	4.2	4.2	3.3	3.0	4.5	4.5	4.4	3.9	32.0
34.0		3.8	3.7	3.7	3.7	3.6	4.0	4.0	4.0	4.0	3.0	2.8	4.3	4.2	4.2	3.6	34.0
36.0							3.8	3.8	3.8	3.8	2.8	2.6	3.9	4.0	4.0	3.3	36.0
38.0							3.4	3.7	3.7	3.6	2.6	2.4	3.3	3.9	3.8	3.1	38.0
40.0													2.8	3.4	3.7	2.9	40.0
42.0													2.3		3.4	2.7	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	7.6	7.3	8.3	8.1													14.0
16.0	6.9	6.5	7.7	7.5	7.4	7.3	7.0	6.9	6.4	7.6	7.5	7.5	7.1	7.1			16.0
18.0	6.2	5.9	7.2	7.0	6.9	6.8	6.4	6.3	5.9	7.1	7.0	7.0	6.5	6.8	6.3	5.8	18.0
20.0	5.7	5.4	6.7	6.5	6.4	6.4	5.9	5.8	5.5	6.6	6.6	6.5	6.0	6.4	5.9	5.5	20.0
22.0	5.2	4.9	6.3	6.1	6.0	6.0	5.4	5.3	5.0	6.3	6.2	6.2	5.6	6.0	5.4	5.1	22.0
24.0	4.8	4.5	5.9	5.7	5.7	5.6	5.0	4.9	4.6	5.9	5.9	5.8	5.2	5.7	5.1	4.7	24.0
26.0	4.4	4.1	5.5	5.4	5.4	5.1	4.6	4.5	4.2	5.6	5.6	5.5	4.8	5.3	4.7	4.4	26.0
28.0	4.1	3.8	5.2	5.1	5.1	4.8	4.3	4.1	3.8	5.3	5.3	5.2	4.5	5.0	4.3	4.0	28.0
30.0	3.8	3.5	4.9	4.8	4.8	4.4	4.0	3.8	3.5	5.0	5.0	5.0	4.2	4.6	4.0	3.7	30.0
32.0	3.5	3.3	4.7	4.6	4.6	4.1	3.7	3.5	3.2	4.8	4.8	4.7	3.9	4.3	3.7	3.4	32.0
34.0	3.3	3.1	4.5	4.4	4.4	3.8	3.5	3.2	2.9	4.6	4.6	4.5	3.7	4.0	3.4	3.1	34.0
36.0	3.1	2.8	3.9	4.2	4.1	3.6	3.3	2.9	2.7	4.0	4.2	4.3	3.5	3.7	3.1	2.9	36.0
38.0	2.9	2.7	3.3	4.0	3.8	3.3	3.1	2.7	2.5	3.4	3.7	3.8	3.3	3.4	2.9	2.6	38.0
40.0	2.7	2.5	2.8	3.5	3.5	3.1	2.9	2.5	2.2	2.9	3.2	3.3	3.1	3.1	2.7	2.4	40.0
42.0	2.6	2.3	2.3	3.0	3.2	2.9	2.8	2.3	2.1	2.5	2.7	2.9	3.0	2.9	2.5	2.3	42.0
44.0			1.9	2.6	2.8	2.8	2.6	2.1	1.9	2.1	2.3	2.4	2.7	2.6	2.3	2.1	44.0
46.0			1.5					2.0	1.7	1.7	1.9	2.1	2.3	2.4	2.2	1.9	46.0
48.0									1.6	1.3	1.6	1.7	2.0	2.0	2.0	1.8	48.0
50.0										1.0						1.6	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	7.1	7.0	6.5	6.8	6.4	6.1	5.8		6.4	6.1	5.6						18.0
	20.0	6.7	6.7	6.2	6.6	6.3	5.9	5.7	4.9	6.2	6.0	5.5	5.7	5.3	4.6	5.4	5.1	20.0
	22.0	6.3	6.3	5.7	6.2	6.1	5.6	5.5	4.8	6.0	5.8	5.4	5.6	5.2	4.5	5.3	5.0	22.0
	24.0	6.0	6.0	5.3	5.9	5.8	5.2	5.1	4.7	5.8	5.6	5.2	5.4	5.0	4.4	5.2	4.9	24.0
	26.0	5.7	5.7	5.0	5.6	5.4	4.8	4.8	4.5	5.6	5.5	4.9	5.3	4.9	4.3	5.0	4.8	26.0
	28.0	5.4	5.4	4.7	5.3	5.1	4.5	4.4	4.2	5.5	5.3	4.6	5.1	4.5	4.2	4.9	4.7	28.0
	30.0	5.2	5.1	4.4	5.1	4.8	4.2	4.1	3.9	5.2	5.2	4.3	4.9	4.2	4.0	4.8	4.6	30.0
	32.0	4.9	4.9	4.1	4.9	4.5	3.9	3.8	3.6	4.8	5.0	4.0	4.6	4.0	3.7	4.6	4.5	32.0
	34.0	4.3	4.4	3.9	4.6	4.2	3.6	3.5	3.3	4.0	4.3	3.8	4.3	3.7	3.5	3.9	4.2	34.0
	36.0	3.6	3.7	3.7	4.1	3.9	3.3	3.3	3.1	3.4	3.6	3.5	4.1	3.4	3.2	3.3	3.6	36.0
	38.0	3.0	3.2	3.5	3.5	3.6	3.1	3.1	2.8	2.8	3.1	3.3	3.5	3.2	3.0	2.7	3.1	38.0
	40.0	2.5	2.7	3.0	3.0	3.3	2.9	2.9	2.7	2.3	2.6	3.0	3.0	3.0	2.8	2.2	2.6	40.0
	42.0	2.1	2.2	2.6	2.6	2.8	2.7	2.6	2.5	1.9	2.1	2.6	2.5	2.8	2.6	1.8	2.1	42.0
	44.0	1.7	1.8	2.2	2.1	2.4	2.6	2.4	2.3	1.4	1.7	2.2	2.1	2.5	2.4	1.4	1.7	44.0
	46.0	1.3	1.4	1.8	1.8	2.0	2.3	2.2	2.1	1.1	1.3	1.8	1.8	2.1	2.1		1.3	46.0
	48.0		1.1	1.4	1.4	1.7	1.9	2.0	1.9			1.4	1.4	1.8	1.7			48.0
	50.0			1.1	1.1	1.4	1.6	1.8	1.7			1.1	1.1	1.5	1.4			50.0
	54.0								1.2									54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	30	30	30	30	30	30	30	30									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	4.8	4.8															20.0
	22.0	4.7	4.7	3.9	4.5	4.2												22.0
	24.0	4.6	4.6	3.9	4.5	4.1	3.4	3.7										24.0
	26.0	4.5	4.5	3.8	4.4	4.1	3.3	3.7	2.7									26.0
	28.0	4.4	4.4	3.7	4.3	4.0	3.3	3.6	2.7									28.0
	30.0	4.3	4.3	3.7	4.2	3.9	3.3	3.6	2.7									30.0
	32.0	4.0	4.0	3.6	4.1	3.9	3.2	3.5	2.7									32.0
	34.0	3.8	3.8	3.5	3.7	3.8	3.2	3.5	2.7									34.0
	36.0	3.6	3.5	3.3	3.2	3.5	3.1	3.1	2.6									36.0
	38.0	3.4	3.3	3.1	2.6	3.0	2.8	2.6	2.2									38.0
	40.0	2.9	3.1	2.9	2.2	2.6	2.3	2.1	1.7									40.0
	42.0	2.4	2.6	2.5	1.8	2.2	1.9	1.7	1.3									42.0
	44.0	2.0	2.2	2.1	1.4	1.8	1.6	1.4										44.0
	46.0	1.7	1.8	1.7	1.0	1.4	1.2	1.1										46.0
	48.0	1.3	1.5	1.4		1.1												48.0
	50.0	1.0	1.2	1.1														50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	7.9	8.2	8.2	8.2	8.1												12.0
14.0	7.1	7.4	7.4	7.4	7.4	7.3	7.6	7.6	7.6	7.4	7.3	7.1	7.8	7.7			14.0
16.0	6.4	6.8	6.8	6.8	6.8	6.7	7.0	7.0	7.0	6.9	6.6	6.3	7.2	7.2	7.0	6.9	16.0
18.0	5.9	6.2	6.2	6.2	6.2	6.1	6.5	6.5	6.4	6.3	6.0	5.7	6.7	6.7	6.5	6.4	18.0
20.0	5.4	5.8	5.7	5.7	5.7	5.7	6.0	6.0	6.0	5.9	5.4	5.1	6.2	6.2	6.1	6.0	20.0
22.0	5.0	5.4	5.3	5.3	5.3	5.3	5.6	5.6	5.6	5.5	4.9	4.7	5.8	5.8	5.7	5.6	22.0
24.0	4.6	5.0	5.0	5.0	5.0	4.9	5.3	5.2	5.2	5.2	4.5	4.3	5.5	5.5	5.4	5.3	24.0
26.0	4.3	4.7	4.6	4.6	4.6	4.6	5.0	4.9	4.9	4.9	4.1	3.9	5.2	5.2	5.1	4.9	26.0
28.0	4.0	4.4	4.4	4.4	4.4	4.3	4.7	4.6	4.6	4.6	3.8	3.6	4.9	4.9	4.8	4.5	28.0
30.0		4.2	4.1	4.1	4.1	4.1	4.4	4.4	4.4	4.3	3.5	3.3	4.7	4.6	4.6	4.2	30.0
32.0		4.0					4.2	4.2	4.2	4.1	3.3	3.0	4.4	4.4	4.4	3.9	32.0
34.0							4.0	4.0	4.0	4.0	3.0	2.8	4.3	4.2	4.2	3.6	34.0
36.0												2.6	3.9	4.1	4.0	3.3	36.0
38.0													3.3	3.9	3.9	3.1	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	6.7	6.4	7.3	7.1	7.0	7.0	6.8										16.0
18.0	6.1	5.8	6.8	6.6	6.6	6.5	6.2	6.2	5.8	6.7	6.7	6.6	6.4	6.3	5.9		18.0
20.0	5.6	5.3	6.4	6.2	6.2	6.1	5.8	5.7	5.4	6.4	6.3	6.3	5.9	6.1	5.7	5.2	20.0
22.0	5.1	4.8	6.0	5.9	5.8	5.8	5.3	5.2	5.0	6.0	6.0	5.9	5.5	5.8	5.3	5.0	22.0
24.0	4.7	4.5	5.7	5.5	5.5	5.4	4.9	4.8	4.6	5.7	5.6	5.6	5.1	5.5	5.0	4.7	24.0
26.0	4.4	4.1	5.4	5.3	5.2	5.1	4.6	4.5	4.2	5.4	5.4	5.3	4.7	5.2	4.6	4.3	26.0
28.0	4.0	3.8	5.1	5.0	5.0	4.8	4.3	4.1	3.9	5.2	5.1	5.1	4.4	4.9	4.3	4.0	28.0
30.0	3.8	3.5	4.9	4.8	4.7	4.4	4.0	3.8	3.5	4.9	4.9	4.9	4.2	4.6	4.0	3.7	30.0
32.0	3.5	3.3	4.6	4.5	4.5	4.1	3.7	3.5	3.2	4.7	4.7	4.7	3.9	4.3	3.7	3.4	32.0
34.0	3.3	3.0	4.4	4.3	4.3	3.8	3.5	3.2	2.9	4.5	4.5	4.5	3.7	4.0	3.4	3.1	34.0
36.0	3.1	2.8	4.0	4.2	4.0	3.6	3.3	2.9	2.7	4.1	4.3	4.3	3.5	3.7	3.1	2.9	36.0
38.0	2.9	2.7	3.4	4.0	3.8	3.3	3.1	2.7	2.4	3.5	3.8	3.9	3.3	3.4	2.9	2.7	38.0
40.0			2.9	3.5	3.5	3.1	3.0	2.5	2.2	3.0	3.2	3.4	3.1	3.1	2.7	2.4	40.0
42.0			2.4	3.0	3.2	2.9	2.8	2.3	2.1	2.5	2.7	2.9	3.0	2.9	2.5	2.3	42.0
44.0									1.9	2.1	2.3	2.5	2.7	2.7	2.4	2.1	44.0
46.0										1.7	1.9	2.1	2.3	2.4	2.2	1.9	46.0
48.0																1.8	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	6.5	6.4	6.0	6.3													18.0
	20.0	6.3	6.2	5.8	6.1	5.8	5.5	5.2	4.6	5.7	5.5	5.1	5.3	4.9		5.0		20.0
	22.0	6.1	6.0	5.6	5.9	5.6	5.3	5.1	4.5	5.5	5.3	4.9	5.1	4.7	4.1	4.8	4.6	22.0
↕ m	24.0	5.8	5.7	5.2	5.6	5.4	5.1	4.9	4.4	5.3	5.1	4.8	5.0	4.6	4.1	4.7	4.5	24.0
	26.0	5.5	5.5	4.9	5.4	5.2	4.8	4.7	4.3	5.1	5.0	4.7	4.8	4.5	4.0	4.6	4.4	26.0
	28.0	5.2	5.2	4.6	5.2	5.0	4.5	4.4	4.2	5.0	4.8	4.5	4.7	4.4	3.9	4.5	4.3	28.0
	30.0	5.0	5.0	4.3	5.0	4.7	4.2	4.1	3.8	4.8	4.7	4.3	4.6	4.2	3.8	4.3	4.2	30.0
	32.0	4.8	4.8	4.1	4.8	4.5	3.9	3.8	3.6	4.6	4.5	4.0	4.4	3.9	3.7	4.2	4.1	32.0
	34.0	4.4	4.5	3.9	4.6	4.2	3.6	3.6	3.3	4.2	4.4	3.8	4.3	3.7	3.4	4.1	3.9	34.0
	36.0	3.8	3.9	3.7	4.2	3.9	3.4	3.3	3.1	3.5	3.8	3.5	4.1	3.5	3.2	3.5	3.8	36.0
	38.0	3.2	3.3	3.5	3.6	3.6	3.1	3.1	2.9	3.0	3.2	3.3	3.6	3.2	3.0	2.9	3.2	38.0
	40.0	2.6	2.8	3.1	3.1	3.4	2.9	2.9	2.7	2.4	2.7	3.1	3.1	3.0	2.8	2.4	2.7	40.0
	42.0	2.2	2.3	2.6	2.6	2.9	2.7	2.7	2.5	2.0	2.2	2.7	2.6	2.8	2.6	1.9	2.2	42.0
	44.0	1.7	1.9	2.2	2.2	2.5	2.6	2.5	2.3	1.5	1.8	2.2	2.2	2.6	2.4	1.5	1.8	44.0
	46.0	1.3	1.5	1.8	1.8	2.1	2.3	2.3	2.1	1.1	1.4	1.8	1.8	2.2	2.1	1.1	1.4	46.0
	48.0		1.1	1.5	1.5	1.7	2.0	2.1	1.9		1.0	1.5	1.5	1.8	1.8		1.1	48.0
	50.0			1.1	1.1	1.4		1.8	1.7			1.2	1.1	1.5	1.5			50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
%	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	40	40	40	40	40	40	40	40									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	4.4	4.3		4.2	3.9												22.0
↕ m	24.0	4.3	4.2	3.5	4.1	3.8	3.1	3.4										24.0
	26.0	4.2	4.1	3.5	4.0	3.7	3.1	3.4	2.6									26.0
	28.0	4.1	4.0	3.4	3.9	3.6	3.0	3.3	2.5									28.0
	30.0	4.0	4.0	3.4	3.8	3.6	3.0	3.2	2.5									30.0
	32.0	3.9	3.9	3.3	3.7	3.5	2.9	3.2	2.5									32.0
	34.0	3.8	3.7	3.2	3.6	3.4	2.9	3.1	2.5									34.0
	36.0	3.6	3.5	3.2	3.4	3.4	2.8	3.1	2.4									36.0
	38.0	3.4	3.3	3.1	2.8	3.2	2.8	2.8	2.4									38.0
	40.0	3.0	3.1	2.9	2.4	2.8	2.5	2.3	1.9									40.0
	42.0	2.5	2.7	2.6	1.9	2.3	2.1	1.9	1.5									42.0
	44.0	2.1	2.3	2.2	1.5	1.9	1.7	1.5	1.2									44.0
	46.0	1.7	1.9	1.8	1.1	1.5	1.4	1.2										46.0
	48.0	1.4	1.6	1.5		1.2	1.1											48.0
	50.0	1.1	1.2	1.2														50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
%	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	10.7 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0	16.6																4.0
4.5	16.6																4.5
5.0	16.6	16.4	16.6	16.6	16.5												5.0
6.0	15.7	15.6	15.9	15.9	15.7	14.4	15.3	15.5	15.3	13.2							6.0
7.0	14.7	14.8	15.1	15.0	14.9	13.8	14.7	14.9	14.7	13.1	11.8	10.8	14.2	14.3	12.2		7.0
8.0	13.5	14.1	14.2	14.1	14.1	13.2	14.1	14.2	14.0	12.8	11.6	10.6	13.7	13.8	12.1	11.0	8.0
9.0	12.3	13.2	13.2	13.2	13.2	12.5	13.4	13.5	13.4	12.3	11.2	10.4	13.2	13.3	11.9	11.0	9.0
10.0	11.4	12.3	12.3	12.3	12.2	11.8	12.7	12.8	12.7	11.8	10.7	10.0	12.7	12.8	11.6	10.9	10.0
12.0	9.8	10.7	10.7	10.7	10.6	10.3	11.3	11.3	11.2	10.7	9.4	8.9	11.6	11.6	10.8	10.3	12.0
14.0	8.4	9.4	9.3	9.3	9.3	9.1	10.1	10.0	10.0	9.6	8.2	7.7	10.5	10.4	9.9	9.4	14.0
16.0	7.4	8.2	8.2	8.2	8.2	8.0	9.0	8.9	8.9	8.6	7.2	6.9	9.5	9.5	9.0	8.4	16.0
18.0	6.6	7.3	7.3	7.3	7.3	7.2	8.0	7.9	7.9	7.7	6.4	6.0	7.9	8.5	8.2	7.6	18.0
20.0	5.9	6.6	6.6	6.6	6.6	6.5	6.8	7.1	7.1	7.0	5.7	5.4	6.5	7.3	7.5	6.8	20.0
22.0	5.4	6.0	6.0	6.0	6.0	5.9	5.5	6.1	6.5	6.4	5.1	4.8	5.2	6.0	6.5	6.1	22.0
24.0	4.9	5.0	5.4	5.5	5.5	5.4	4.4	5.0	5.5	5.8	4.6	4.3	4.2	4.9	5.5	5.5	24.0
26.0	4.5	4.1	4.5	4.8	5.0	5.0	3.6	4.2	4.6	5.0	4.2	4.0	3.3	4.1	4.6	4.8	26.0
28.0	4.1	3.4	3.8	4.0	4.3	4.4	2.9	3.4	3.9	4.2	3.9	3.6	2.6	3.3	3.9	4.0	28.0
30.0	3.9	2.8	3.2	3.4	3.6	3.8	2.3	2.8	3.2	3.6	3.6	3.3	2.0	2.7	3.2	3.4	30.0
32.0	3.4	2.3	2.6	2.9	3.1	3.3	1.7	2.3	2.7	3.1	3.2	3.1	1.5	2.2	2.7	2.9	32.0
34.0		1.8	2.2	2.4	2.6	2.8	1.3	1.8	2.3	2.6	2.8	2.8	1.1	1.7	2.2	2.4	34.0
36.0		1.5	1.8	2.1	2.3	2.4		1.4	1.9	2.2	2.4	2.3		1.3	1.8	2.0	36.0
38.0								1.1	1.5	1.8	2.0	2.0			1.5	1.7	38.0
40.0									1.2	1.5	1.7	1.7			1.2	1.3	40.0
42.0												1.4				1.1	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0	10.2	9.4	12.9	11.3	10.6												8.0
9.0	10.2	9.3	12.6	11.2	10.5	9.9	9.4	8.4	7.3	10.2	10.1	9.6	8.9				9.0
10.0	10.1	9.1	12.3	11.1	10.4	9.8	9.4	8.4	7.3	10.1	10.0	9.6	8.9	8.5	7.5	6.5	10.0
12.0	9.5	8.8	11.5	10.7	10.2	9.7	9.2	8.4	7.3	9.9	9.9	9.4	8.8	8.5	7.5	6.5	12.0
14.0	8.5	8.1	10.7	10.0	9.7	9.3	8.8	8.1	7.2	9.7	9.6	9.3	8.5	8.4	7.5	6.5	14.0
16.0	7.5	7.1	9.3	9.3	9.0	8.5	7.9	7.4	7.0	9.1	9.1	8.9	8.1	8.2	7.3	6.4	16.0
18.0	6.8	6.4	7.6	8.6	8.4	7.8	7.1	6.7	6.4	7.5	7.9	8.1	7.4	7.7	6.8	6.3	18.0
20.0	6.1	5.8	6.3	7.2	7.4	7.1	6.5	6.1	5.7	6.1	6.4	6.6	6.8	7.0	6.2	5.8	20.0
22.0	5.5	5.2	5.1	5.9	6.2	6.3	5.9	5.5	5.2	4.9	5.2	5.4	5.7	5.8	5.7	5.3	22.0
24.0	5.0	4.7	4.1	5.0	5.2	5.3	5.4	5.0	4.6	4.0	4.3	4.5	4.8	4.8	5.1	4.9	24.0
26.0	4.6	4.3	3.3	4.1	4.3	4.5	4.6	4.5	4.2	3.2	3.5	3.7	4.0	4.0	4.3	4.2	26.0
28.0	4.2	3.9	2.6	3.4	3.6	3.7	3.9	4.0	3.8	2.6	2.8	3.0	3.3	3.4	3.7	3.5	28.0
30.0	3.6	3.6	2.0	2.7	2.9	3.1	3.2	3.4	3.4	2.0	2.3	2.5	2.7	2.8	3.1	3.0	30.0
32.0	3.0	3.0	1.5	2.2	2.4	2.6	2.7	2.9	2.8	1.5	1.8	2.0	2.2	2.3	2.6	2.5	32.0
34.0	2.6	2.6	1.0	1.8	1.9	2.1	2.2	2.4	2.4	1.1	1.3	1.5	1.8	1.8	2.1	2.1	34.0
36.0	2.2	2.1		1.4	1.5	1.7	1.8	2.0	1.9			1.1	1.4	1.4	1.7	1.7	36.0
38.0	1.8	1.8		1.0	1.2	1.3	1.5	1.6	1.6				1.0	1.1	1.3	1.3	38.0
40.0	1.5	1.5				1.0	1.2	1.3	1.3						1.0		40.0
42.0	1.2	1.2						1.0									42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	10.7 t	7.7 m x 7.0 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	9.2	8.9	8.1														10.0
12.0	9.0	8.8	8.1	8.6	7.8	7.2	6.6	5.4	7.9	7.4	6.5	6.9	6.0				12.0
14.0	8.9	8.7	8.0	8.5	7.8	7.2	6.6	5.4	7.8	7.4	6.5	6.9	6.0	4.9	6.4	5.9	14.0
16.0	8.3	8.4	7.9	8.4	7.8	7.2	6.6	5.4	7.6	7.4	6.5	6.9	6.0	4.9	6.4	5.9	16.0
18.0	6.7	6.8	7.4	7.4	7.6	6.9	6.6	5.4	6.1	6.4	6.5	6.9	6.0	4.9	5.6	5.9	18.0
20.0	5.3	5.4	5.9	5.9	6.3	6.4	6.2	5.4	4.7	5.0	5.6	5.6	6.0	4.9	4.3	4.7	20.0
22.0	4.2	4.3	4.8	4.8	5.1	5.4	5.6	5.3	3.6	3.9	4.5	4.5	4.9	4.6	3.2	3.6	22.0
24.0	3.3	3.4	3.8	3.9	4.2	4.5	4.6	4.3	2.7	3.0	3.6	3.6	4.0	3.7	2.4	2.8	24.0
26.0	2.5	2.6	3.1	3.1	3.4	3.7	3.9	3.6	2.0	2.3	2.8	2.8	3.3	3.0	1.7	2.0	26.0
28.0	1.9	2.0	2.4	2.4	2.8	3.0	3.2	3.0	1.4	1.7	2.2	2.2	2.6	2.4	1.1	1.4	28.0
30.0	1.3	1.5	1.9	1.9	2.2	2.5	2.7	2.4		1.1	1.7	1.7	2.1	1.9			30.0
32.0		1.0	1.4	1.4	1.8	2.0	2.2	1.9			1.2	1.2	1.6	1.4			32.0
34.0			1.0	1.0	1.4	1.6	1.8	1.5					1.2	1.0			34.0
36.0						1.3	1.4	1.2									36.0
38.0							1.1										38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	0	0	0	0	0	0	0	0									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	5.4	5.3		5.1	4.6												14.0
16.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9										16.0
18.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									18.0
20.0	5.1	5.3	4.1	4.0	4.5	3.4	3.8	2.7									20.0
22.0	4.0	4.3	3.8	2.9	3.4	2.9	2.8	2.1									22.0
24.0	3.2	3.4	2.9	2.1	2.6	2.2	2.0	1.3									24.0
26.0	2.4	2.7	2.2	1.4	1.9	1.5	1.3										26.0
28.0	1.8	2.1	1.7		1.3												28.0
30.0	1.3	1.6	1.2														30.0
32.0		1.1															32.0
34.0																	34.0
36.0																	36.0
38.0																	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	10.7 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	13.5		14.1														7.0
8.0	12.4	13.0	13.0	13.0	13.0	12.5	13.2	13.4	13.2								8.0
9.0	11.4	12.1	12.1	12.0	12.0	11.7	12.5	12.5	12.4	11.7	11.0		12.5	12.5			9.0
10.0	10.5	11.2	11.2	11.2	11.2	10.9	11.7	11.7	11.6	11.1	10.4	9.9	11.9	11.9	11.1	10.5	10.0
12.0	9.2	9.8	9.8	9.8	9.8	9.6	10.3	10.3	10.2	9.9	9.0	8.6	10.7	10.6	10.1	9.8	12.0
14.0	8.1	8.7	8.7	8.7	8.7	8.5	9.2	9.1	9.1	8.9	7.9	7.5	9.6	9.5	9.2	9.0	14.0
16.0	7.1	7.8	7.8	7.7	7.7	7.6	8.3	8.3	8.2	8.0	7.0	6.6	8.7	8.6	8.3	8.2	16.0
18.0	6.3	7.0	6.9	6.9	6.9	6.8	7.5	7.5	7.5	7.3	6.3	6.0	8.0	7.9	7.6	7.4	18.0
20.0	5.8	6.3	6.3	6.3	6.3	6.2	6.8	6.8	6.8	6.6	5.6	5.3	7.0	7.2	7.0	6.7	20.0
22.0	5.2	5.8	5.8	5.8	5.8	5.7	5.9	6.2	6.2	6.1	5.0	4.8	5.7	6.4	6.5	6.0	22.0
24.0	4.8	5.3	5.3	5.3	5.3	5.2	4.8	5.4	5.7	5.6	4.6	4.3	4.6	5.3	5.8	5.4	24.0
26.0	4.4	4.4	4.8	4.9	4.9	4.8	3.9	4.4	4.9	5.2	4.2	3.9	3.7	4.4	4.9	5.0	26.0
28.0	4.1	3.6	4.0	4.2	4.4	4.5	3.1	3.7	4.1	4.4	3.8	3.6	2.9	3.6	4.1	4.3	28.0
30.0	3.8	3.0	3.3	3.6	3.8	4.0	2.5	3.0	3.4	3.8	3.6	3.3	2.3	2.9	3.4	3.6	30.0
32.0	3.4	2.4	2.8	3.0	3.2	3.4	1.9	2.5	2.9	3.2	3.3	3.0	1.7	2.4	2.9	3.1	32.0
34.0		1.9	2.3	2.5	2.7	2.9	1.5	2.0	2.4	2.7	2.9	2.8	1.3	1.9	2.4	2.6	34.0
36.0		1.5	1.9	2.1	2.3	2.5	1.0	1.6	2.0	2.3	2.5	2.5		1.5	2.0	2.1	36.0
38.0								1.2	1.6	1.9	2.1	2.1		1.1	1.6	1.8	38.0
40.0									1.3	1.6	1.7	1.7			1.3	1.4	40.0
42.0												1.5				1.1	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0			11.7														10.0
12.0	9.2	8.7	10.8	10.2	9.8	9.4	9.1	8.4	7.3	9.8	9.7	9.4	8.8				12.0
14.0	8.1	7.7	9.8	9.4	9.2	8.9	8.4	8.1	7.2	9.3	9.3	9.0	8.4	8.4	7.5	6.5	14.0
16.0	7.3	6.9	9.0	8.6	8.5	8.3	7.5	7.4	7.0	8.7	8.6	8.5	7.8	8.0	7.3	6.4	16.0
18.0	6.5	6.2	8.2	7.9	7.8	7.6	6.8	6.7	6.3	8.0	8.0	7.9	7.1	7.5	6.7	6.3	18.0
20.0	5.9	5.6	6.7	7.3	7.2	6.9	6.2	6.0	5.7	6.6	6.9	7.1	6.5	7.0	6.2	5.8	20.0
22.0	5.4	5.1	5.5	6.3	6.5	6.3	5.7	5.5	5.1	5.4	5.7	5.9	6.0	6.2	5.6	5.3	22.0
24.0	4.9	4.6	4.5	5.3	5.5	5.7	5.2	5.0	4.7	4.4	4.7	4.9	5.1	5.2	5.2	4.8	24.0
26.0	4.5	4.2	3.6	4.4	4.6	4.7	4.8	4.5	4.2	3.6	3.8	4.0	4.3	4.4	4.6	4.4	26.0
28.0	4.1	3.9	2.9	3.6	3.8	4.0	4.1	4.1	3.8	2.9	3.2	3.3	3.6	3.7	3.9	3.8	28.0
30.0	3.8	3.6	2.3	3.0	3.2	3.3	3.5	3.6	3.4	2.3	2.6	2.7	3.0	3.1	3.3	3.2	30.0
32.0	3.2	3.2	1.7	2.4	2.6	2.8	2.9	3.1	3.0	1.8	2.0	2.2	2.5	2.5	2.8	2.7	32.0
34.0	2.7	2.7	1.2	2.0	2.1	2.3	2.4	2.6	2.5	1.3	1.6	1.7	2.0	2.0	2.3	2.3	34.0
36.0	2.3	2.3		1.5	1.7	1.9	2.0	2.1	2.1		1.1	1.3	1.6	1.6	1.9	1.8	36.0
38.0	1.9	1.9		1.2	1.3	1.5	1.6	1.8	1.7				1.2	1.2	1.5	1.5	38.0
40.0	1.6	1.6			1.0	1.2	1.3	1.4	1.4						1.2	1.1	40.0
42.0	1.3	1.3						1.1	1.1								42.0
44.0	1.0	1.0															44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	10.7 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	8.9	8.7	8.1	8.5	7.8	7.2	6.6		7.8								14.0
	16.0	8.5	8.4	7.8	8.2	7.8	7.2	6.6	5.4	7.7	7.4	6.5	6.9	6.0	4.9	6.4	5.9	16.0
	18.0	7.3	7.4	7.2	7.8	7.4	6.8	6.6	5.4	6.7	7.0	6.5	6.9	6.0	4.9	6.3	5.9	18.0
	20.0	5.9	6.0	6.4	6.4	6.8	6.3	6.1	5.4	5.3	5.6	6.1	6.1	6.0	4.9	4.9	5.2	20.0
	22.0	4.7	4.8	5.2	5.2	5.6	5.8	5.7	5.3	4.1	4.4	4.9	4.9	5.3	4.9	3.8	4.1	22.0
↑ m →	24.0	3.7	3.8	4.3	4.3	4.6	4.8	5.0	4.7	3.2	3.5	4.0	4.0	4.4	4.1	2.8	3.2	24.0
	26.0	2.9	3.0	3.4	3.5	3.8	4.0	4.2	3.9	2.4	2.7	3.2	3.2	3.6	3.3	2.1	2.5	26.0
	28.0	2.2	2.4	2.8	2.8	3.1	3.3	3.5	3.2	1.8	2.0	2.5	2.5	2.9	2.7	1.5	1.8	28.0
	30.0	1.7	1.8	2.2	2.2	2.5	2.8	2.9	2.7	1.2	1.5	2.0	2.0	2.4	2.2		1.3	30.0
	32.0	1.2	1.3	1.7	1.7	2.0	2.3	2.4	2.2			1.5	1.5	1.9	1.7			32.0
	34.0			1.3	1.3	1.6	1.8	2.0	1.8			1.1	1.1	1.5	1.3			34.0
	36.0					1.2	1.5	1.6	1.4					1.1				36.0
	38.0						1.1	1.3	1.1									38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
%	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	10	10	10	10	10	10	10	10									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	5.4	5.3															16.0
	18.0	5.4	5.3	4.1	5.1	4.6		3.9										18.0
	20.0	5.4	5.3	4.1	4.6	4.6	3.4	3.9	2.7									20.0
	22.0	4.5	4.7	4.1	3.5	3.9	3.4	3.3	2.6									22.0
↑ m →	24.0	3.6	3.8	3.4	2.6	3.0	2.6	2.4	1.8									24.0
	26.0	2.8	3.0	2.6	1.9	2.3	1.9	1.7	1.1									26.0
	28.0	2.2	2.4	2.0	1.3	1.7	1.3	1.1										28.0
	30.0	1.6	1.9	1.5		1.2												30.0
	32.0	1.2	1.4	1.0														32.0
	34.0																	34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
%	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	10.6	11.0	11.0	11.0	11.0												9.0
10.0	9.9	10.3	10.3	10.3	10.3	10.1	10.6	10.6	10.6								10.0
12.0	8.6	9.1	9.1	9.1	9.1	8.9	9.5	9.5	9.4	9.2	8.7	8.3	9.8	9.7	9.4	9.2	12.0
14.0	7.7	8.2	8.1	8.1	8.1	8.0	8.5	8.5	8.5	8.3	7.7	7.3	8.8	8.8	8.5	8.4	14.0
16.0	6.8	7.4	7.4	7.4	7.3	7.2	7.7	7.7	7.7	7.5	6.8	6.5	8.1	8.0	7.8	7.6	16.0
18.0	6.2	6.7	6.6	6.6	6.6	6.6	7.1	7.1	7.0	6.9	6.1	5.8	7.4	7.4	7.1	7.1	18.0
20.0	5.6	6.1	6.1	6.1	6.0	6.0	6.5	6.5	6.4	6.3	5.5	5.2	6.8	6.8	6.6	6.5	20.0
22.0	5.1	5.6	5.6	5.6	5.6	5.5	6.0	5.9	5.9	5.8	5.0	4.7	6.1	6.3	6.1	5.9	22.0
24.0	4.7	5.2	5.1	5.1	5.1	5.1	5.1	5.5	5.5	5.4	4.5	4.3	4.9	5.6	5.7	5.4	24.0
26.0	4.4	4.6	4.8	4.8	4.8	4.7	4.2	4.7	5.1	5.1	4.2	3.9	4.0	4.6	5.1	5.0	26.0
28.0	4.0	3.8	4.2	4.4	4.5	4.4	3.4	3.9	4.3	4.6	3.8	3.6	3.2	3.8	4.3	4.5	28.0
30.0	3.8	3.1	3.5	3.7	3.9	4.1	2.7	3.2	3.6	3.9	3.5	3.3	2.5	3.1	3.6	3.8	30.0
32.0	3.5	2.6	2.9	3.1	3.3	3.5	2.1	2.6	3.0	3.3	3.3	3.0	1.9	2.6	3.0	3.2	32.0
34.0		2.0	2.4	2.6	2.8	3.0	1.6	2.1	2.5	2.8	3.0	2.8	1.4	2.1	2.5	2.7	34.0
36.0		1.6	1.9	2.1	2.3	2.5	1.2	1.7	2.1	2.4	2.5	2.5		1.6	2.1	2.3	36.0
38.0								1.3	1.7	2.0	2.1	2.1		1.2	1.7	1.9	38.0
40.0									1.3	1.6	1.8	1.8			1.3	1.5	40.0
42.0															1.0	1.2	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0			9.9														12.0
14.0	7.8	7.5	9.0	8.7	8.5	8.4	8.0	7.8		8.7	8.7	8.5	8.1				14.0
16.0	7.0	6.7	8.3	8.0	7.9	7.8	7.2	7.1	6.7	8.1	8.1	7.9	7.4	7.7	7.2	6.4	16.0
18.0	6.4	6.0	7.6	7.4	7.3	7.2	6.6	6.5	6.1	7.5	7.5	7.4	6.8	7.2	6.6	6.2	18.0
20.0	5.8	5.5	7.1	6.8	6.8	6.7	6.0	5.9	5.6	7.0	7.0	6.9	6.2	6.7	6.0	5.7	20.0
22.0	5.3	5.0	6.0	6.4	6.3	6.2	5.5	5.4	5.1	5.8	6.1	6.3	5.7	6.3	5.6	5.2	22.0
24.0	4.8	4.5	4.9	5.6	5.8	5.7	5.1	4.9	4.6	4.8	5.1	5.2	5.3	5.5	5.1	4.8	24.0
26.0	4.4	4.2	4.0	4.7	4.9	5.0	4.7	4.5	4.2	3.9	4.2	4.4	4.6	4.7	4.7	4.4	26.0
28.0	4.1	3.8	3.2	3.9	4.1	4.2	4.3	4.1	3.8	3.2	3.5	3.6	3.9	3.9	4.2	4.0	28.0
30.0	3.8	3.6	2.5	3.2	3.4	3.5	3.7	3.8	3.5	2.6	2.8	3.0	3.3	3.3	3.6	3.5	30.0
32.0	3.3	3.3	1.9	2.6	2.8	2.9	3.1	3.2	3.2	2.0	2.3	2.4	2.7	2.7	3.0	2.9	32.0
34.0	2.8	2.8	1.4	2.1	2.3	2.4	2.6	2.7	2.7	1.5	1.8	1.9	2.2	2.2	2.5	2.5	34.0
36.0	2.4	2.4		1.7	1.9	2.0	2.1	2.3	2.2	1.1	1.3	1.5	1.7	1.8	2.0	2.0	36.0
38.0	2.0	2.0		1.3	1.5	1.6	1.7	1.9	1.8			1.1	1.3	1.4	1.6	1.6	38.0
40.0	1.6	1.6			1.1	1.3	1.4	1.5	1.5					1.0	1.3	1.3	40.0
42.0	1.3	1.3					1.1	1.2	1.2								42.0
44.0	1.0	1.0															44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	10.7 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	8.0	8.0	7.5	7.8	7.4	7.0											16.0
	18.0	7.6	7.5	6.9	7.4	7.2	6.7	6.4	5.4	7.2	6.9	6.3	6.6	6.0		6.2	5.8	18.0
	20.0	6.4	6.5	6.4	7.0	6.8	6.2	6.1	5.4	5.9	6.1	6.1	6.4	5.9	4.9	5.5	5.7	20.0
	22.0	5.2	5.3	5.7	5.7	6.0	5.7	5.6	5.3	4.7	4.9	5.4	5.4	5.6	4.9	4.3	4.6	22.0
	24.0	4.2	4.3	4.7	4.7	5.0	5.2	5.2	4.9	3.7	3.9	4.4	4.4	4.8	4.5	3.3	3.7	24.0
	26.0	3.3	3.4	3.8	3.8	4.1	4.3	4.5	4.2	2.8	3.1	3.6	3.6	3.9	3.7	2.5	2.9	26.0
	28.0	2.6	2.7	3.1	3.1	3.4	3.6	3.8	3.5	2.1	2.4	2.9	2.9	3.2	3.0	1.8	2.2	28.0
	30.0	2.0	2.1	2.5	2.5	2.8	3.0	3.2	2.9	1.6	1.8	2.3	2.3	2.7	2.4	1.3	1.6	30.0
	32.0	1.5	1.6	2.0	2.0	2.3	2.5	2.7	2.4	1.0	1.3	1.8	1.8	2.1	1.9		1.1	32.0
	34.0	1.0	1.1	1.5	1.5	1.8	2.0	2.2	2.0			1.3	1.3	1.7	1.5			34.0
	36.0			1.1	1.1	1.4	1.6	1.8	1.6					1.3	1.1			36.0
	38.0					1.0	1.3	1.4	1.3									38.0
	40.0							1.1										40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	20	20	20	20	20	20	20	20									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	5.4	5.3		5.1	4.6												20.0
	22.0	5.0	5.2	4.1	4.0	4.4	3.4	3.8										22.0
	24.0	4.0	4.2	3.8	3.1	3.5	3.1	2.9	2.3									24.0
	26.0	3.2	3.4	3.0	2.3	2.7	2.3	2.2	1.6									26.0
	28.0	2.5	2.7	2.4	1.7	2.1	1.7	1.5										28.0
	30.0	2.0	2.2	1.8	1.1	1.5	1.2											30.0
	32.0	1.5	1.7	1.3		1.0												32.0
	34.0	1.0	1.2															34.0
	36.0																	36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0	9.4																10.0
	12.0	8.2	8.6	8.6	8.6	8.6	8.4	8.8	8.8	8.8	8.6							12.0
	14.0	7.4	7.8	7.7	7.7	7.7	7.6	8.0	8.0	8.0	7.8	7.5	7.2	8.2	8.2	8.0	7.9	14.0
	16.0	6.6	7.0	7.0	7.0	7.0	6.9	7.3	7.3	7.3	7.1	6.7	6.4	7.6	7.5	7.3	7.2	16.0
	18.0	6.0	6.4	6.4	6.4	6.4	6.3	6.8	6.7	6.7	6.6	6.0	5.7	7.0	6.9	6.8	6.7	18.0
	20.0	5.5	5.9	5.9	5.9	5.9	5.8	6.2	6.2	6.2	6.1	5.5	5.2	6.5	6.5	6.3	6.2	20.0
	22.0	5.0	5.5	5.4	5.4	5.4	5.4	5.8	5.7	5.7	5.6	5.0	4.7	6.1	6.0	5.9	5.8	22.0
	24.0	4.7	5.1	5.0	5.0	5.0	5.0	5.4	5.4	5.3	5.3	4.5	4.3	5.3	5.6	5.5	5.4	24.0
	26.0	4.3	4.7	4.7	4.7	4.7	4.7	4.4	4.9	5.0	4.9	4.1	3.9	4.3	4.9	5.2	5.0	26.0
	28.0	4.0	4.0	4.3	4.4	4.4	4.4	3.6	4.1	4.5	4.6	3.8	3.6	3.4	4.0	4.5	4.6	28.0
	30.0	3.8	3.3	3.6	3.8	4.0	4.1	2.9	3.4	3.7	4.1	3.5	3.3	2.7	3.3	3.8	4.0	30.0
	32.0		2.6	3.0	3.2	3.4	3.6	2.3	2.7	3.1	3.4	3.3	3.0	2.1	2.7	3.2	3.3	32.0
	34.0		2.1	2.4	2.6	2.8	3.0	1.7	2.2	2.6	2.9	3.0	2.8	1.6	2.2	2.7	2.8	34.0
	36.0							1.2	1.7	2.1	2.4	2.6	2.6	1.1	1.7	2.2	2.3	36.0
	38.0								1.3	1.7	2.0	2.2	2.2		1.3	1.8	1.9	38.0
	40.0															1.4	1.6	40.0
	42.0															1.1	1.2	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	7.6	7.3	8.3	8.1													14.0
	16.0	6.9	6.5	7.7	7.5	7.4	7.3	7.0	6.9	6.4	7.6	7.5	7.5	7.1	7.1			16.0
	18.0	6.2	5.9	7.2	7.0	6.9	6.8	6.4	6.3	5.9	7.1	7.0	7.0	6.5	6.8	6.3	5.8	18.0
	20.0	5.7	5.4	6.7	6.5	6.4	6.4	5.9	5.8	5.5	6.6	6.6	6.5	6.0	6.4	5.9	5.5	20.0
	22.0	5.2	4.9	6.3	6.1	6.0	6.0	5.4	5.3	5.0	6.3	6.2	6.2	5.6	6.0	5.4	5.1	22.0
	24.0	4.8	4.5	5.3	5.7	5.7	5.6	5.0	4.9	4.6	5.2	5.4	5.6	5.2	5.7	5.1	4.7	24.0
	26.0	4.4	4.1	4.3	4.9	5.1	5.1	4.6	4.5	4.2	4.3	4.5	4.7	4.8	5.0	4.7	4.4	26.0
	28.0	4.1	3.8	3.4	4.1	4.3	4.4	4.3	4.1	3.8	3.5	3.7	3.9	4.1	4.2	4.3	4.0	28.0
	30.0	3.8	3.5	2.7	3.4	3.6	3.7	3.8	3.8	3.5	2.8	3.1	3.2	3.5	3.5	3.7	3.7	30.0
	32.0	3.5	3.3	2.1	2.8	3.0	3.1	3.2	3.4	3.2	2.2	2.5	2.6	2.9	2.9	3.1	3.1	32.0
	34.0	2.9	2.9	1.6	2.3	2.4	2.6	2.7	2.8	2.8	1.7	1.9	2.1	2.3	2.4	2.6	2.6	34.0
	36.0	2.5	2.5	1.1	1.8	2.0	2.1	2.2	2.4	2.4	1.2	1.5	1.6	1.9	1.9	2.2	2.1	36.0
	38.0	2.1	2.1		1.4	1.6	1.7	1.8	2.0	1.9		1.1	1.2	1.4	1.5	1.7	1.7	38.0
	40.0	1.7	1.7		1.0	1.2	1.3	1.4	1.6	1.6				1.1	1.1	1.4	1.4	40.0
	42.0	1.4	1.4					1.1	1.3	1.3						1.0	1.0	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	10.7 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	7.1	7.0	6.5	6.8	6.4	6.1	5.8		6.4	6.1	5.6						18.0
	20.0	6.7	6.7	6.2	6.6	6.3	5.9	5.7	4.9	6.2	6.0	5.5	5.7	5.3	4.6	5.4	5.1	20.0
	22.0	5.6	5.7	5.7	6.1	6.1	5.6	5.5	4.8	5.1	5.4	5.4	5.6	5.2	4.5	4.8	5.0	22.0
	24.0	4.6	4.7	5.0	5.0	5.3	5.2	5.1	4.7	4.1	4.3	4.8	4.8	5.0	4.4	3.8	4.1	24.0
	26.0	3.7	3.8	4.1	4.1	4.4	4.6	4.8	4.5	3.2	3.4	3.9	3.9	4.3	4.0	2.9	3.2	26.0
	28.0	2.9	3.0	3.4	3.4	3.7	3.9	4.0	3.8	2.5	2.7	3.2	3.2	3.5	3.3	2.2	2.5	28.0
	30.0	2.3	2.4	2.8	2.8	3.0	3.3	3.4	3.2	1.9	2.1	2.6	2.6	2.9	2.7	1.6	1.9	30.0
	32.0	1.7	1.8	2.2	2.2	2.5	2.7	2.9	2.7	1.3	1.6	2.0	2.0	2.4	2.2	1.1	1.4	32.0
	34.0	1.2	1.4	1.7	1.7	2.0	2.2	2.4	2.2		1.1	1.6	1.6	1.9	1.7			34.0
	36.0			1.3	1.3	1.6	1.8	2.0	1.8			1.2	1.2	1.5	1.3			36.0
	38.0					1.2	1.4	1.5	1.4					1.1				38.0
	40.0						1.0	1.2	1.1									40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	30	30	30	30	30	30	30	30									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	4.8	4.8															20.0
	22.0	4.7	4.7	3.9	4.5	4.2												22.0
	24.0	4.4	4.6	3.9	3.5	3.9	3.4	3.4										24.0
	26.0	3.6	3.8	3.4	2.7	3.1	2.7	2.6	2.0									26.0
	28.0	2.9	3.1	2.7	2.0	2.4	2.1	1.9	1.4									28.0
	30.0	2.2	2.4	2.1	1.4	1.8	1.5	1.3										30.0
	32.0	1.7	1.9	1.6		1.3												32.0
	34.0	1.3	1.5	1.2														34.0
	36.0		1.1															36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	10.7 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	7.9	8.2	8.2	8.2	8.1												12.0
14.0	7.1	7.4	7.4	7.4	7.4	7.3	7.6	7.6	7.6	7.4	7.3	7.1	7.8	7.7			14.0
16.0	6.4	6.8	6.8	6.8	6.8	6.7	7.0	7.0	7.0	6.9	6.6	6.3	7.2	7.2	7.0	6.9	16.0
18.0	5.9	6.2	6.2	6.2	6.2	6.1	6.5	6.5	6.4	6.3	6.0	5.7	6.7	6.7	6.5	6.4	18.0
20.0	5.4	5.8	5.7	5.7	5.7	5.7	6.0	6.0	6.0	5.9	5.4	5.1	6.2	6.2	6.1	6.0	20.0
22.0	5.0	5.4	5.3	5.3	5.3	5.3	5.6	5.6	5.6	5.5	4.9	4.7	5.8	5.8	5.7	5.6	22.0
24.0	4.6	5.0	5.0	5.0	5.0	4.9	5.3	5.2	5.2	5.2	4.5	4.3	5.5	5.5	5.4	5.3	24.0
26.0	4.3	4.7	4.6	4.6	4.6	4.6	4.6	4.9	4.9	4.9	4.1	3.9	4.5	5.1	5.1	4.9	26.0
28.0	4.0	4.1	4.4	4.4	4.4	4.3	3.8	4.2	4.6	4.6	3.8	3.6	3.6	4.2	4.7	4.5	28.0
30.0		3.4	3.7	3.9	4.1	4.1	3.0	3.5	3.9	4.2	3.5	3.3	2.9	3.5	3.9	4.1	30.0
32.0		2.7					2.3	2.8	3.2	3.5	3.3	3.0	2.2	2.8	3.3	3.4	32.0
34.0							1.8	2.3	2.6	3.0	3.0	2.8	1.7	2.3	2.7	2.9	34.0
36.0												2.6	1.2	1.8	2.2	2.4	36.0
38.0														1.3	1.8	2.0	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	6.7	6.4	7.3	7.1	7.0	7.0	6.8										16.0
18.0	6.1	5.8	6.8	6.6	6.6	6.5	6.2	6.2	5.8	6.7	6.7	6.6	6.4	6.3	5.9		18.0
20.0	5.6	5.3	6.4	6.2	6.2	6.1	5.8	5.7	5.4	6.4	6.3	6.3	5.9	6.1	5.7	5.2	20.0
22.0	5.1	4.8	6.0	5.9	5.8	5.8	5.3	5.2	5.0	6.0	6.0	5.9	5.5	5.8	5.3	5.0	22.0
24.0	4.7	4.5	5.5	5.5	5.5	5.4	4.9	4.8	4.6	5.5	5.6	5.6	5.1	5.5	5.0	4.7	24.0
26.0	4.4	4.1	4.5	5.2	5.2	5.1	4.6	4.5	4.2	4.6	4.8	4.9	4.7	5.2	4.6	4.3	26.0
28.0	4.0	3.8	3.6	4.3	4.5	4.6	4.3	4.1	3.9	3.7	4.0	4.1	4.4	4.4	4.3	4.0	28.0
30.0	3.8	3.5	2.9	3.6	3.7	3.9	4.0	3.8	3.5	3.0	3.2	3.4	3.6	3.7	3.9	3.7	30.0
32.0	3.5	3.3	2.3	2.9	3.1	3.2	3.3	3.5	3.2	2.4	2.6	2.8	3.0	3.0	3.3	3.3	32.0
34.0	3.0	3.0	1.7	2.4	2.5	2.7	2.8	2.9	2.9	1.8	2.1	2.2	2.4	2.5	2.7	2.7	34.0
36.0	2.5	2.5	1.2	1.9	2.1	2.2	2.3	2.5	2.4	1.4	1.6	1.7	2.0	2.0	2.2	2.2	36.0
38.0	2.1	2.1		1.5	1.6	1.8	1.9	2.0	2.0		1.1	1.3	1.5	1.6	1.8	1.8	38.0
40.0				1.1	1.2	1.4	1.5	1.6	1.6				1.2	1.2	1.4	1.4	40.0
42.0						1.0	1.1	1.3	1.3						1.1	1.1	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	10.7 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	6.5	6.4	6.0	6.3													18.0
	20.0	6.3	6.2	5.8	6.1	5.8	5.5	5.2	4.6	5.7	5.5	5.1	5.3	4.9		5.0		20.0
	22.0	6.0	6.0	5.6	5.9	5.6	5.3	5.1	4.5	5.5	5.3	4.9	5.1	4.7	4.1	4.8	4.6	22.0
↕ m	24.0	4.9	5.0	5.2	5.4	5.4	5.1	4.9	4.4	4.5	4.7	4.8	5.0	4.6	4.1	4.2	4.5	24.0
	26.0	4.0	4.1	4.4	4.5	4.7	4.8	4.7	4.3	3.6	3.8	4.2	4.2	4.5	4.0	3.3	3.6	26.0
	28.0	3.2	3.3	3.7	3.7	3.9	4.1	4.3	4.1	2.8	3.0	3.5	3.5	3.8	3.6	2.5	2.8	28.0
	30.0	2.5	2.6	3.0	3.0	3.3	3.5	3.6	3.4	2.1	2.4	2.8	2.8	3.2	3.0	1.9	2.2	30.0
	32.0	2.0	2.1	2.4	2.4	2.7	2.9	3.1	2.9	1.6	1.8	2.3	2.3	2.6	2.4	1.3	1.7	32.0
	34.0	1.4	1.6	1.9	1.9	2.2	2.4	2.6	2.4	1.1	1.3	1.8	1.8	2.1	1.9		1.2	34.0
	36.0		1.1	1.5	1.4	1.7	1.9	2.1	1.9			1.3	1.3	1.7	1.5			36.0
	38.0			1.0	1.0	1.3	1.5	1.6	1.6					1.3	1.1			38.0
	40.0						1.1	1.3	1.2									40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
%	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	40	40	40	40	40	40	40	40									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	4.4	4.3		4.2	3.9												22.0
↕ m	24.0	4.3	4.2	3.5	4.0	3.8	3.1	3.4										24.0
	26.0	3.9	4.1	3.5	3.1	3.4	3.1	2.9	2.4									26.0
	28.0	3.2	3.3	3.0	2.4	2.7	2.4	2.2	1.7									28.0
	30.0	2.5	2.7	2.4	1.7	2.1	1.8	1.6	1.2									30.0
	32.0	2.0	2.2	1.8	1.2	1.6	1.3	1.1										32.0
	34.0	1.5	1.7	1.4		1.1												34.0
	36.0	1.1	1.3															36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
%	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 4.7 m	360°	JPN

m	°	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																		3.0
3.5																		3.5
4.0	16.6																	4.0
4.5	16.6																	4.5
5.0	16.6	16.4	16.6	16.6	16.5													5.0
6.0	15.7	15.6	15.9	15.9	15.7	14.4	15.3	15.5	15.3	13.2								6.0
7.0	14.7	14.8	15.1	15.0	14.9	13.8	14.7	14.9	14.7	13.1	11.8	10.8	14.2	14.3	12.2			7.0
8.0	13.5	14.1	14.2	14.1	14.1	13.2	14.1	14.2	14.0	12.8	11.6	10.6	13.7	13.8	12.1	11.0		8.0
9.0	12.3	13.2	13.2	13.2	13.2	12.5	13.4	13.5	13.4	12.3	11.2	10.4	13.2	13.3	11.9	11.0		9.0
10.0	11.4	12.3	12.3	12.3	12.2	11.8	12.7	12.8	12.7	11.8	10.7	10.0	12.7	12.8	11.6	10.9		10.0
12.0	9.8	10.7	10.7	10.7	10.6	10.3	11.3	11.3	11.2	10.7	9.4	8.9	11.6	11.6	10.8	10.3		12.0
14.0	8.4	9.4	9.3	9.3	9.3	9.1	10.1	10.0	10.0	9.6	8.2	7.7	10.5	10.4	9.9	9.4		14.0
16.0	7.4	8.2	8.2	8.2	8.2	8.0	9.0	8.9	8.9	8.6	7.2	6.9	9.5	9.5	9.0	8.4		16.0
18.0	6.6	7.3	7.3	7.3	7.3	7.2	8.0	7.9	7.9	7.7	6.4	6.0	7.8	8.4	8.2	7.6		18.0
20.0	5.9	6.6	6.6	6.6	6.6	6.5	6.6	7.1	7.1	7.0	5.7	5.4	6.5	7.0	7.5	6.8		20.0
22.0	5.4	6.0	6.0	6.0	6.0	5.9	5.6	6.0	6.3	6.4	5.1	4.8	5.4	5.9	6.4	6.1		22.0
24.0	4.9	5.1	5.4	5.5	5.5	5.4	4.7	5.1	5.5	5.7	4.6	4.3	4.5	5.0	5.5	5.5		24.0
26.0	4.5	4.4	4.6	4.8	5.0	5.0	3.9	4.4	4.7	5.0	4.2	4.0	3.8	4.3	4.7	4.8		26.0
28.0	4.1	3.7	4.0	4.2	4.4	4.5	3.3	3.8	4.1	4.3	3.9	3.6	3.2	3.7	4.1	4.2		28.0
30.0	3.9	3.2	3.5	3.7	3.8	4.0	2.8	3.2	3.5	3.8	3.6	3.3	2.6	3.1	3.5	3.7		30.0
32.0	3.6	2.8	3.0	3.2	3.4	3.5	2.4	2.8	3.1	3.3	3.3	3.1	2.1	2.7	3.1	3.2		32.0
34.0		2.4	2.6	2.8	3.0	3.1	1.9	2.4	2.7	2.9	3.0	2.8	1.7	2.3	2.7	2.8		34.0
36.0		2.0	2.3	2.5	2.6	2.8	1.5	2.0	2.3	2.6	2.7	2.6	1.2	1.9	2.3	2.5		36.0
38.0							1.1	1.6	2.0	2.3	2.4	2.4		1.5	2.0	2.1		38.0
40.0								1.3	1.7	2.0	2.1	2.1		1.2	1.7	1.9		40.0
42.0												1.9			1.4	1.6		42.0
44.0															1.1	1.3		44.0
46.0																		46.0
48.0																		48.0
50.0																		50.0
54.0																		54.0
58.0																		58.0
62.0																		62.0
66.0																		66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1	
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2	
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3	
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4	
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5	
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

m	°	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																		3.0
3.5																		3.5
4.0																		4.0
4.5																		4.5
5.0																		5.0
6.0																		6.0
7.0																		7.0
8.0	10.2	9.4	12.9	11.3	10.6													8.0
9.0	10.2	9.3	12.6	11.2	10.5	9.9	9.4	8.4	7.3	10.2	10.1	9.6	8.9					9.0
10.0	10.1	9.1	12.3	11.1	10.4	9.8	9.4	8.4	7.3	10.1	10.0	9.6	8.9	8.5	7.5	6.5		10.0
12.0	9.5	8.8	11.5	10.7	10.2	9.7	9.2	8.4	7.3	9.9	9.9	9.4	8.8	8.5	7.5	6.5		12.0
14.0	8.5	8.1	10.7	10.0	9.7	9.3	8.8	8.1	7.2	9.7	9.6	9.3	8.5	8.4	7.5	6.5		14.0
16.0	7.5	7.1	9.5	9.3	9.0	8.5	7.9	7.4	7.0	9.2	9.1	8.9	8.1	8.2	7.3	6.4		16.0
18.0	6.8	6.4	7.8	8.5	8.4	7.8	7.1	6.7	6.4	7.8	8.1	8.3	7.4	7.7	6.8	6.3		18.0
20.0	6.1	5.8	6.4	7.1	7.2	7.1	6.5	6.1	5.7	6.5	6.7	6.9	6.8	7.1	6.2	5.8		20.0
22.0	5.5	5.2	5.4	6.0	6.1	6.3	5.9	5.5	5.2	5.4	5.6	5.8	6.0	6.0	5.7	5.3		22.0
24.0	5.0	4.7	4.5	5.1	5.2	5.4	5.4	5.0	4.6	4.6	4.8	4.9	5.1	5.2	5.2	4.9		24.0
26.0	4.6	4.3	3.7	4.3	4.5	4.6	4.7	4.5	4.2	3.8	4.0	4.2	4.4	4.4	4.6	4.4		26.0
28.0	4.2	3.9	3.1	3.7	3.9	4.0	4.1	4.1	3.8	3.2	3.4	3.5	3.7	3.8	4.0	4.0		28.0
30.0	3.8	3.6	2.6	3.2	3.3	3.4	3.5	3.7	3.4	2.7	2.9	3.0	3.2	3.2	3.5	3.4		30.0
32.0	3.3	3.3	2.1	2.7	2.9	3.0	3.1	3.2	3.1	2.2	2.4	2.5	2.7	2.8	3.0	3.0		32.0
34.0	2.9	2.9	1.6	2.3	2.5	2.6	2.7	2.8	2.8	1.7	1.9	2.1	2.3	2.4	2.6	2.6		34.0
36.0	2.6	2.6	1.2	1.9	2.1	2.2	2.3	2.4	2.4	1.3	1.5	1.7	1.9	2.0	2.2	2.2		36.0
38.0	2.2	2.2		1.6	1.7	1.9	2.0	2.1	2.1		1.1	1.3	1.6	1.6	1.9	1.9		38.0
40.0	2.0	2.0		1.2	1.4	1.5	1.7	1.8	1.8				1.2	1.3	1.5	1.5		40.0
42.0	1.7	1.7			1.1	1.3	1.4	1.5	1.5						1.2	1.2		42.0
44.0	1.4	1.4					1.1	1.3	1.2									44.0
46.0		1.2						1.0										46.0
48.0																		48.0
50.0																		50.0
54.0																		54.0
58.0																		58.0
62.0																		62.0
66.0																		66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1	
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2	
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3	
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4	
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5	
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 4.7 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0	9.2	8.9	8.1														10.0
	12.0	9.0	8.8	8.1	8.6	7.8	7.2	6.6	5.4	7.9	7.4	6.5	6.9	6.0				12.0
	14.0	8.9	8.7	8.0	8.5	7.8	7.2	6.6	5.4	7.8	7.4	6.5	6.9	6.0	4.9	6.4	5.9	14.0
	16.0	8.4	8.5	7.9	8.4	7.8	7.2	6.6	5.4	7.7	7.4	6.5	6.9	6.0	4.9	6.4	5.9	16.0
	18.0	7.0	7.1	7.5	7.6	7.6	6.9	6.6	5.4	6.4	6.7	6.5	6.9	6.0	4.9	6.0	5.9	18.0
	20.0	5.8	5.9	6.4	6.4	6.8	6.4	6.2	5.4	5.3	5.6	6.2	6.2	6.0	4.9	4.9	5.4	20.0
	22.0	4.8	5.0	5.4	5.4	5.7	5.9	5.8	5.3	4.3	4.6	5.2	5.2	5.7	4.9	4.0	4.4	22.0
	24.0	4.0	4.1	4.6	4.6	4.8	5.0	5.2	5.0	3.5	3.8	4.4	4.4	4.8	4.6	3.2	3.6	24.0
	26.0	3.3	3.4	3.9	3.9	4.1	4.3	4.4	4.4	2.8	3.1	3.7	3.7	4.1	3.8	2.5	2.9	26.0
	28.0	2.7	2.8	3.2	3.2	3.5	3.7	3.8	3.7	2.2	2.5	3.0	3.0	3.4	3.2	1.9	2.3	28.0
	30.0	2.1	2.3	2.7	2.7	2.9	3.1	3.3	3.2	1.7	1.9	2.5	2.5	2.8	2.6	1.4	1.7	30.0
	32.0	1.6	1.8	2.2	2.2	2.5	2.7	2.8	2.7	1.2	1.5	2.0	2.0	2.4	2.1		1.3	32.0
	34.0	1.2	1.3	1.7	1.7	2.0	2.3	2.4	2.2		1.0	1.5	1.5	1.9	1.7			34.0
	36.0			1.3	1.3	1.6	1.9	2.0	1.9			1.2	1.2	1.6	1.4			36.0
	38.0					1.2	1.5	1.6	1.5					1.2	1.0			38.0
	40.0						1.1	1.3	1.2									40.0
	42.0							1.0										42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	0	0	0	0	0	0	0	0									°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	5.4	5.3		5.1	4.6												14.0
	16.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9										16.0
	18.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									18.0
	20.0	5.4	5.3	4.1	4.8	4.6	3.4	3.9	2.7									20.0
	22.0	4.9	5.1	4.1	3.9	4.4	3.4	3.8	2.7									22.0
	24.0	4.1	4.3	3.8	3.1	3.5	3.1	2.9	2.3									24.0
	26.0	3.3	3.5	3.1	2.3	2.8	2.4	2.2	1.6									26.0
	28.0	2.7	2.9	2.5	1.7	2.2	1.8	1.6	1.1									28.0
	30.0	2.1	2.3	2.0	1.2	1.6	1.3	1.1										30.0
	32.0	1.6	1.9	1.5		1.2												32.0
	34.0	1.2	1.4	1.1														34.0
	36.0		1.1															36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 4.7 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0	13.5		14.1														7.0
8.0	12.4	13.0	13.0	13.0	13.0	12.5	13.2	13.4	13.2								8.0
9.0	11.4	12.1	12.1	12.0	12.0	11.7	12.5	12.5	12.4	11.7	11.0		12.5	12.5			9.0
10.0	10.5	11.2	11.2	11.2	11.2	10.9	11.7	11.7	11.6	11.1	10.4	9.9	11.9	11.9	11.1	10.5	10.0
12.0	9.2	9.8	9.8	9.8	9.8	9.6	10.3	10.3	10.2	9.9	9.0	8.6	10.7	10.6	10.1	9.8	12.0
14.0	8.1	8.7	8.7	8.7	8.7	8.5	9.2	9.1	9.1	8.9	7.9	7.5	9.6	9.5	9.2	9.0	14.0
16.0	7.1	7.8	7.8	7.7	7.7	7.6	8.3	8.3	8.2	8.0	7.0	6.6	8.7	8.6	8.3	8.2	16.0
18.0	6.3	7.0	6.9	6.9	6.9	6.8	7.5	7.5	7.5	7.3	6.3	6.0	8.0	7.9	7.6	7.4	18.0
20.0	5.8	6.3	6.3	6.3	6.3	6.2	6.8	6.8	6.8	6.6	5.6	5.3	6.8	7.2	7.0	6.7	20.0
22.0	5.2	5.8	5.8	5.8	5.8	5.7	5.9	6.2	6.2	6.1	5.0	4.8	5.7	6.2	6.5	6.0	22.0
24.0	4.8	5.3	5.3	5.3	5.3	5.2	4.9	5.3	5.7	5.6	4.6	4.3	4.8	5.3	5.7	5.4	24.0
26.0	4.4	4.5	4.8	4.9	4.9	4.8	4.2	4.6	4.9	5.1	4.2	3.9	4.0	4.5	4.9	5.0	26.0
28.0	4.1	3.9	4.2	4.3	4.5	4.5	3.5	3.9	4.2	4.5	3.8	3.6	3.4	3.9	4.3	4.4	28.0
30.0	3.8	3.3	3.6	3.8	3.9	4.1	3.0	3.4	3.7	3.9	3.6	3.3	2.8	3.3	3.7	3.8	30.0
32.0	3.6	2.9	3.1	3.3	3.5	3.6	2.5	2.9	3.2	3.4	3.3	3.0	2.4	2.8	3.2	3.3	32.0
34.0		2.4	2.7	2.9	3.0	3.2	2.1	2.5	2.8	3.0	3.0	2.8	1.9	2.4	2.8	2.9	34.0
36.0		2.1	2.3	2.5	2.7	2.8	1.6	2.1	2.4	2.7	2.8	2.6	1.4	2.0	2.4	2.6	36.0
38.0							1.2	1.7	2.1	2.3	2.5	2.4	1.0	1.6	2.1	2.2	38.0
40.0								1.4	1.8	2.0	2.2	2.2		1.3	1.8	1.9	40.0
42.0												1.9			1.5	1.6	42.0
44.0															1.2	1.4	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0			11.7														10.0
12.0	9.2	8.7	10.8	10.2	9.8	9.4	9.1	8.4	7.3	9.8	9.7	9.4	8.8				12.0
14.0	8.1	7.7	9.8	9.4	9.2	8.9	8.4	8.1	7.2	9.3	9.3	9.0	8.4	8.4	7.5	6.5	14.0
16.0	7.3	6.9	9.0	8.6	8.5	8.3	7.5	7.4	7.0	8.7	8.6	8.5	7.8	8.0	7.3	6.4	16.0
18.0	6.5	6.2	8.2	7.9	7.8	7.6	6.8	6.7	6.3	8.1	8.0	7.9	7.1	7.5	6.7	6.3	18.0
20.0	5.9	5.6	6.8	7.3	7.2	6.9	6.2	6.0	5.7	6.9	7.1	7.2	6.5	7.0	6.2	5.8	20.0
22.0	5.4	5.1	5.7	6.3	6.4	6.3	5.7	5.5	5.1	5.8	6.0	6.1	6.0	6.3	5.6	5.3	22.0
24.0	4.9	4.6	4.8	5.3	5.5	5.6	5.2	5.0	4.7	4.8	5.0	5.2	5.4	5.4	5.2	4.8	24.0
26.0	4.5	4.2	4.0	4.6	4.7	4.8	4.8	4.5	4.2	4.1	4.3	4.4	4.6	4.6	4.7	4.4	26.0
28.0	4.1	3.9	3.4	3.9	4.0	4.2	4.3	4.1	3.8	3.4	3.6	3.7	3.9	4.0	4.2	4.0	28.0
30.0	3.8	3.6	2.8	3.4	3.5	3.6	3.7	3.8	3.4	2.9	3.1	3.2	3.4	3.4	3.6	3.6	30.0
32.0	3.4	3.3	2.3	2.9	3.0	3.1	3.2	3.3	3.1	2.4	2.6	2.7	2.9	2.9	3.1	3.1	32.0
34.0	3.0	3.0	1.8	2.5	2.6	2.7	2.8	2.9	2.9	1.9	2.2	2.3	2.5	2.5	2.7	2.7	34.0
36.0	2.7	2.7	1.4	2.1	2.2	2.3	2.4	2.5	2.5	1.5	1.7	1.9	2.1	2.2	2.4	2.3	36.0
38.0	2.3	2.3		1.7	1.9	2.0	2.1	2.2	2.2	1.1	1.3	1.5	1.7	1.8	2.0	2.0	38.0
40.0	2.0	2.0		1.3	1.5	1.7	1.8	1.9	1.9			1.1	1.4	1.4	1.7	1.7	40.0
42.0	1.8	1.8		1.0	1.2	1.4	1.5	1.6	1.6				1.1	1.1	1.4	1.3	42.0
44.0	1.5	1.5				1.1	1.2	1.3	1.3						1.1	1.1	44.0
46.0		1.2						1.1	1.0								46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 4.7 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	8.9	8.7	8.1	8.5	7.8	7.2	6.6		7.8								14.0
	16.0	8.5	8.4	7.8	8.2	7.8	7.2	6.6	5.4	7.7	7.4	6.5	6.9	6.0	4.9	6.4	5.9	16.0
	18.0	7.5	7.6	7.2	7.8	7.4	6.8	6.6	5.4	6.9	7.2	6.5	6.9	6.0	4.9	6.4	5.9	18.0
	20.0	6.3	6.4	6.7	6.8	7.0	6.3	6.1	5.4	5.7	6.0	6.2	6.6	6.0	4.9	5.4	5.8	20.0
	22.0	5.2	5.4	5.8	5.8	6.0	5.8	5.7	5.3	4.7	5.0	5.6	5.6	5.7	4.9	4.4	4.8	22.0
↕ m	24.0	4.4	4.5	4.9	4.9	5.1	5.3	5.3	5.0	3.9	4.2	4.7	4.7	5.2	4.9	3.6	4.0	24.0
	26.0	3.6	3.7	4.1	4.1	4.3	4.5	4.7	4.6	3.2	3.5	4.0	4.0	4.4	4.2	2.9	3.3	26.0
	28.0	3.0	3.1	3.5	3.5	3.7	3.9	4.0	3.9	2.5	2.8	3.3	3.3	3.7	3.5	2.3	2.6	28.0
	30.0	2.4	2.5	2.9	2.9	3.1	3.3	3.4	3.4	2.0	2.3	2.7	2.7	3.1	2.9	1.7	2.1	30.0
	32.0	1.9	2.0	2.4	2.4	2.7	2.8	3.0	2.9	1.5	1.7	2.2	2.2	2.6	2.4	1.2	1.6	32.0
	34.0	1.4	1.6	2.0	2.0	2.3	2.4	2.5	2.4	1.0	1.3	1.8	1.8	2.2	2.0		1.1	34.0
	36.0	1.0	1.2	1.5	1.5	1.8	2.0	2.2	2.1			1.4	1.4	1.8	1.6			36.0
	38.0			1.2	1.1	1.4	1.7	1.8	1.7			1.1	1.1	1.4	1.2			38.0
	40.0					1.1	1.3	1.5	1.4					1.1				40.0
	42.0							1.1	1.1									42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
%	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	10	10	10	10	10	10	10	10									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	5.4	5.3															16.0
	18.0	5.4	5.3	4.1	5.1	4.6		3.9										18.0
	20.0	5.4	5.3	4.1	5.1	4.6	3.4	3.9	2.7									20.0
	22.0	5.2	5.3	4.1	4.3	4.6	3.4	3.9	2.7									22.0
↕ m	24.0	4.4	4.7	4.1	3.5	3.9	3.4	3.4	2.7									24.0
	26.0	3.7	3.9	3.5	2.8	3.2	2.8	2.6	2.1									26.0
	28.0	3.0	3.2	2.8	2.1	2.5	2.2	2.0	1.5									28.0
	30.0	2.4	2.6	2.3	1.5	2.0	1.6	1.4										30.0
	32.0	1.9	2.1	1.8	1.1	1.5	1.2											32.0
	34.0	1.5	1.7	1.4		1.1												34.0
	36.0	1.1	1.3															36.0
	38.0																	38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
%	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 4.7 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0	10.6	11.0	11.0	11.0	11.0												9.0
	10.0	9.9	10.3	10.3	10.3	10.3	10.1	10.6	10.6	10.6								10.0
	12.0	8.6	9.1	9.1	9.1	9.1	8.9	9.5	9.5	9.4	9.2	8.7	8.3	9.8	9.7	9.4	9.2	12.0
	14.0	7.7	8.2	8.1	8.1	8.1	8.0	8.5	8.5	8.5	8.3	7.7	7.3	8.8	8.8	8.5	8.4	14.0
	16.0	6.8	7.4	7.4	7.4	7.3	7.2	7.7	7.7	7.7	7.5	6.8	6.5	8.1	8.0	7.8	7.6	16.0
	18.0	6.2	6.7	6.6	6.6	6.6	6.6	7.1	7.1	7.0	6.9	6.1	5.8	7.4	7.4	7.1	7.1	18.0
	20.0	5.6	6.1	6.1	6.1	6.0	6.0	6.5	6.5	6.4	6.3	5.5	5.2	6.8	6.8	6.6	6.5	20.0
	22.0	5.1	5.6	5.6	5.6	5.6	5.5	6.0	5.9	5.9	5.8	5.0	4.7	6.0	6.3	6.1	5.9	22.0
	24.0	4.7	5.2	5.1	5.1	5.1	5.1	5.2	5.5	5.5	5.4	4.5	4.3	5.0	5.5	5.7	5.4	24.0
	26.0	4.4	4.7	4.8	4.8	4.8	4.7	4.4	4.8	5.1	5.1	4.2	3.9	4.2	4.7	5.1	5.0	26.0
	28.0	4.0	4.0	4.3	4.5	4.5	4.4	3.7	4.1	4.4	4.6	3.8	3.6	3.6	4.0	4.4	4.5	28.0
	30.0	3.8	3.5	3.7	3.9	4.0	4.1	3.1	3.5	3.8	4.0	3.5	3.3	3.0	3.5	3.8	4.0	30.0
	32.0	3.6	3.0	3.2	3.4	3.5	3.7	2.6	3.0	3.3	3.5	3.3	3.0	2.5	3.0	3.3	3.5	32.0
	34.0		2.5	2.8	2.9	3.1	3.2	2.2	2.6	2.9	3.1	3.0	2.8	2.0	2.5	2.9	3.0	34.0
	36.0		2.1	2.4	2.5	2.7	2.8	1.7	2.2	2.5	2.7	2.8	2.6	1.6	2.1	2.5	2.6	36.0
	38.0							1.3	1.8	2.1	2.4	2.5	2.4	1.1	1.8	2.2	2.3	38.0
	40.0								1.4	1.8	2.1	2.2	2.2		1.4	1.9	2.0	40.0
	42.0														1.0	1.5	1.7	42.0
	44.0															1.2	1.4	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0			9.9														12.0
	14.0	7.8	7.5	9.0	8.7	8.5	8.4	8.0	7.8		8.7	8.7	8.5	8.1				14.0
	16.0	7.0	6.7	8.3	8.0	7.9	7.8	7.2	7.1	6.7	8.1	8.1	7.9	7.4	7.7	7.2	6.4	16.0
	18.0	6.4	6.0	7.6	7.4	7.3	7.2	6.6	6.5	6.1	7.5	7.5	7.4	6.8	7.2	6.6	6.2	18.0
	20.0	5.8	5.5	7.1	6.8	6.8	6.7	6.0	5.9	5.6	7.0	7.0	6.9	6.2	6.7	6.0	5.7	20.0
	22.0	5.3	5.0	6.0	6.4	6.3	6.2	5.5	5.4	5.1	6.1	6.2	6.4	5.7	6.3	5.6	5.2	22.0
	24.0	4.8	4.5	5.0	5.6	5.7	5.7	5.1	4.9	4.6	5.1	5.3	5.4	5.3	5.6	5.1	4.8	24.0
	26.0	4.4	4.2	4.2	4.8	4.9	5.0	4.7	4.5	4.2	4.3	4.5	4.6	4.8	4.8	4.7	4.4	26.0
	28.0	4.1	3.8	3.6	4.1	4.2	4.3	4.3	4.1	3.8	3.6	3.8	3.9	4.1	4.2	4.3	4.0	28.0
	30.0	3.8	3.6	3.0	3.5	3.6	3.8	3.8	3.8	3.5	3.1	3.2	3.4	3.6	3.6	3.8	3.7	30.0
	32.0	3.5	3.3	2.5	3.0	3.1	3.3	3.3	3.5	3.2	2.6	2.7	2.9	3.1	3.1	3.3	3.3	32.0
	34.0	3.1	3.1	2.0	2.6	2.7	2.8	2.9	3.0	2.9	2.1	2.3	2.4	2.6	2.7	2.8	2.8	34.0
	36.0	2.7	2.7	1.6	2.2	2.3	2.4	2.5	2.6	2.6	1.7	1.9	2.0	2.2	2.3	2.5	2.4	36.0
	38.0	2.4	2.4	1.1	1.8	2.0	2.1	2.2	2.3	2.3	1.2	1.5	1.6	1.9	1.9	2.1	2.1	38.0
	40.0	2.1	2.1		1.5	1.6	1.8	1.9	2.0	2.0		1.1	1.3	1.5	1.6	1.8	1.8	40.0
	42.0	1.8	1.8		1.1	1.3	1.4	1.5	1.7	1.7				1.2	1.2	1.5	1.4	42.0
	44.0	1.5	1.5				1.1	1.3	1.4	1.4						1.2	1.1	44.0
	46.0								1.1	1.1								46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 4.7 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0	8.0	8.0	7.5	7.8	7.4	7.0											16.0
	18.0	7.6	7.5	6.9	7.4	7.2	6.7	6.4	5.4	7.2	6.9	6.3	6.6	6.0		6.2	5.8	18.0
	20.0	6.7	6.8	6.4	7.0	6.8	6.2	6.1	5.4	6.2	6.5	6.1	6.4	5.9	4.9	5.9	5.7	20.0
	22.0	5.6	5.8	5.9	6.1	6.3	5.7	5.6	5.3	5.2	5.4	5.7	6.0	5.6	4.9	4.9	5.2	22.0
	24.0	4.7	4.8	5.2	5.2	5.4	5.3	5.2	4.9	4.3	4.5	5.1	5.1	5.3	4.9	4.0	4.4	24.0
	26.0	3.9	4.1	4.4	4.4	4.6	4.7	4.8	4.6	3.5	3.8	4.3	4.3	4.6	4.5	3.3	3.6	26.0
	28.0	3.3	3.4	3.7	3.7	3.9	4.1	4.2	4.1	2.8	3.1	3.6	3.6	3.9	3.8	2.6	3.0	28.0
	30.0	2.7	2.8	3.1	3.1	3.3	3.5	3.6	3.6	2.3	2.5	3.0	3.0	3.4	3.2	2.0	2.4	30.0
	32.0	2.1	2.3	2.6	2.6	2.8	3.0	3.1	3.1	1.7	2.0	2.5	2.5	2.9	2.7	1.5	1.9	32.0
	34.0	1.7	1.8	2.2	2.2	2.4	2.6	2.7	2.6	1.3	1.6	2.0	2.0	2.4	2.2	1.1	1.4	34.0
	36.0	1.2	1.4	1.7	1.7	2.0	2.2	2.3	2.2		1.1	1.6	1.6	2.0	1.8		1.0	36.0
	38.0			1.3	1.3	1.6	1.8	2.0	1.9			1.3	1.3	1.6	1.4			38.0
	40.0					1.2	1.4	1.6	1.5					1.3	1.1			40.0
	42.0						1.1	1.3	1.2									42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	20	20	20	20	20	20	20	20									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	5.4	5.3		5.1	4.6												20.0
	22.0	5.3	5.3	4.1	4.7	4.6	3.4	3.9										22.0
	24.0	4.8	5.0	4.1	3.9	4.3	3.4	3.8	2.7									24.0
	26.0	4.0	4.2	3.8	3.1	3.6	3.2	3.0	2.5									26.0
	28.0	3.3	3.5	3.2	2.5	2.9	2.5	2.4	1.8									28.0
	30.0	2.7	2.9	2.6	1.9	2.3	1.9	1.8	1.3									30.0
	32.0	2.2	2.4	2.1	1.4	1.8	1.5	1.3										32.0
	34.0	1.7	1.9	1.6		1.3	1.0											34.0
	36.0	1.3	1.5	1.2														36.0
	38.0		1.2															38.0
	40.0																	40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0	9.4																10.0
	12.0	8.2	8.6	8.6	8.6	8.6	8.4	8.8	8.8	8.8	8.6							12.0
	14.0	7.4	7.8	7.7	7.7	7.7	7.6	8.0	8.0	8.0	7.8	7.5	7.2	8.2	8.2	8.0	7.9	14.0
	16.0	6.6	7.0	7.0	7.0	7.0	6.9	7.3	7.3	7.3	7.1	6.7	6.4	7.6	7.5	7.3	7.2	16.0
	18.0	6.0	6.4	6.4	6.4	6.4	6.3	6.8	6.7	6.7	6.6	6.0	5.7	7.0	6.9	6.8	6.7	18.0
	20.0	5.5	5.9	5.9	5.9	5.9	5.8	6.2	6.2	6.2	6.1	5.5	5.2	6.5	6.5	6.3	6.2	20.0
	22.0	5.0	5.5	5.4	5.4	5.4	5.4	5.8	5.7	5.7	5.6	5.0	4.7	6.1	6.0	5.9	5.8	22.0
	24.0	4.7	5.1	5.0	5.0	5.0	5.0	5.4	5.4	5.3	5.3	4.5	4.3	5.3	5.6	5.5	5.4	24.0
	26.0	4.3	4.7	4.7	4.7	4.7	4.7	4.6	4.9	5.0	4.9	4.1	3.9	4.4	4.9	5.2	5.0	26.0
	28.0	4.0	4.2	4.4	4.4	4.4	4.4	3.9	4.2	4.5	4.6	3.8	3.6	3.7	4.2	4.5	4.6	28.0
	30.0	3.8	3.6	3.8	4.0	4.1	4.1	3.3	3.6	3.9	4.1	3.5	3.3	3.1	3.6	3.9	4.1	30.0
	32.0		3.0	3.3	3.4	3.6	3.7	2.7	3.1	3.4	3.6	3.3	3.0	2.6	3.1	3.4	3.5	32.0
	34.0		2.6	2.8	3.0	3.1	3.2	2.3	2.6	2.9	3.2	3.0	2.8	2.2	2.6	3.0	3.1	34.0
	36.0							1.8	2.2	2.5	2.8	2.8	2.6	1.7	2.2	2.6	2.7	36.0
	38.0							1.3	1.8	2.2	2.4	2.5	2.4	1.2	1.8	2.2	2.3	38.0
	40.0														1.4	1.9	2.0	40.0
	42.0															1.5	1.7	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
	5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0	7.6	7.3	8.3	8.1													14.0
	16.0	6.9	6.5	7.7	7.5	7.4	7.3	7.0	6.9	6.4	7.6	7.5	7.5	7.1	7.1			16.0
	18.0	6.2	5.9	7.2	7.0	6.9	6.8	6.4	6.3	5.9	7.1	7.0	7.0	6.5	6.8	6.3	5.8	18.0
	20.0	5.7	5.4	6.7	6.5	6.4	6.4	5.9	5.8	5.5	6.6	6.6	6.5	6.0	6.4	5.9	5.5	20.0
	22.0	5.2	4.9	6.3	6.1	6.0	6.0	5.4	5.3	5.0	6.3	6.2	6.2	5.6	6.0	5.4	5.1	22.0
	24.0	4.8	4.5	5.3	5.7	5.7	5.6	5.0	4.9	4.6	5.4	5.5	5.6	5.2	5.7	5.1	4.7	24.0
	26.0	4.4	4.1	4.4	4.9	5.1	5.1	4.6	4.5	4.2	4.5	4.7	4.8	4.8	5.0	4.7	4.4	26.0
	28.0	4.1	3.8	3.7	4.3	4.4	4.5	4.3	4.1	3.8	3.8	4.0	4.1	4.3	4.3	4.3	4.0	28.0
	30.0	3.8	3.5	3.2	3.7	3.8	3.9	4.0	3.8	3.5	3.2	3.4	3.5	3.7	3.7	3.9	3.7	30.0
	32.0	3.5	3.3	2.6	3.1	3.3	3.4	3.5	3.5	3.2	2.7	2.9	3.0	3.2	3.2	3.4	3.4	32.0
	34.0	3.2	3.1	2.2	2.7	2.8	2.9	3.0	3.1	2.9	2.3	2.4	2.6	2.7	2.8	3.0	2.9	34.0
	36.0	2.8	2.8	1.7	2.3	2.4	2.5	2.6	2.7	2.7	1.8	2.0	2.2	2.3	2.4	2.6	2.5	36.0
	38.0	2.4	2.4	1.3	1.9	2.1	2.2	2.3	2.4	2.4	1.4	1.6	1.7	2.0	2.0	2.2	2.2	38.0
	40.0	2.1	2.1		1.5	1.7	1.8	1.9	2.1	2.0		1.2	1.4	1.6	1.6	1.9	1.9	40.0
	42.0	1.8	1.8		1.2	1.3	1.5	1.6	1.7	1.7			1.0	1.3	1.3	1.5	1.5	42.0
	44.0					1.0	1.2	1.3	1.4	1.4						1.2	1.2	44.0
	46.0								1.1	1.1								46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
	2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
	3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
	4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
	5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
	LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 4.7 m	360°	JPN

m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	7.1	7.0	6.5	6.8	6.4	6.1	5.8		6.4	6.1	5.6						18.0
20.0	6.7	6.7	6.2	6.6	6.3	5.9	5.7	4.9	6.2	6.0	5.5	5.7	5.3	4.6	5.4	5.1	20.0
22.0	6.0	6.1	5.7	6.2	6.1	5.6	5.5	4.8	5.5	5.8	5.4	5.6	5.2	4.5	5.3	5.0	22.0
24.0	5.1	5.1	5.3	5.4	5.6	5.2	5.1	4.7	4.6	4.9	5.2	5.4	5.0	4.4	4.4	4.7	24.0
26.0	4.2	4.3	4.6	4.6	4.8	4.8	4.8	4.5	3.8	4.1	4.6	4.6	4.8	4.3	3.6	3.9	26.0
28.0	3.5	3.6	3.9	3.9	4.1	4.3	4.4	4.2	3.1	3.4	3.9	3.9	4.1	4.1	2.9	3.3	28.0
30.0	2.9	3.0	3.3	3.3	3.5	3.7	3.8	3.7	2.5	2.8	3.3	3.3	3.5	3.4	2.3	2.7	30.0
32.0	2.3	2.5	2.8	2.8	3.0	3.1	3.3	3.2	2.0	2.2	2.7	2.7	3.0	2.9	1.8	2.1	32.0
34.0	1.9	2.0	2.3	2.3	2.5	2.7	2.8	2.8	1.5	1.8	2.2	2.2	2.6	2.4	1.3	1.6	34.0
36.0	1.4	1.5	1.9	1.9	2.1	2.3	2.4	2.4	1.1	1.3	1.8	1.8	2.2	2.0		1.2	36.0
38.0		1.1	1.5	1.5	1.7	1.9	2.1	2.0			1.4	1.4	1.8	1.6			38.0
40.0			1.1	1.1	1.3	1.5	1.7	1.6			1.1	1.1	1.4	1.3			40.0
42.0						1.2	1.4	1.3					1.1				42.0
44.0							1.0										44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
°	30	30	30	30	30	30	30	30									°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0	4.8	4.8															20.0
22.0	4.7	4.7	3.9	4.5	4.2												22.0
24.0	4.6	4.6	3.9	4.2	4.1	3.4	3.7										24.0
26.0	4.3	4.5	3.8	3.5	3.9	3.3	3.4	2.7									26.0
28.0	3.6	3.8	3.5	2.8	3.2	2.9	2.7	2.2									28.0
30.0	3.0	3.2	2.8	2.2	2.6	2.3	2.1	1.6									30.0
32.0	2.4	2.6	2.3	1.7	2.0	1.7	1.6	1.1									32.0
34.0	2.0	2.2	1.8	1.2	1.6	1.3	1.1										34.0
36.0	1.5	1.7	1.4		1.2												36.0
38.0	1.2	1.4	1.1														38.0
40.0		1.0															40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	90	45	45	90	100									1
2	45	90	100	90	90	100	90	100									2
3	90	90	100	90	90	100	90	100									3
4	90	90	100	90	90	100	90	100									4
5	90	90	100	45	90	100	90	100									5
LK-Code	49	50	51	52	53	54	55	56									LK-Code
	2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0	7.9	8.2	8.2	8.2	8.1												12.0
14.0	7.1	7.4	7.4	7.4	7.4	7.3	7.6	7.6	7.6	7.4	7.3	7.1	7.8	7.7			14.0
16.0	6.4	6.8	6.8	6.8	6.8	6.7	7.0	7.0	7.0	6.9	6.6	6.3	7.2	7.2	7.0	6.9	16.0
18.0	5.9	6.2	6.2	6.2	6.2	6.1	6.5	6.5	6.4	6.3	6.0	5.7	6.7	6.7	6.5	6.4	18.0
20.0	5.4	5.8	5.7	5.7	5.7	5.7	6.0	6.0	6.0	5.9	5.4	5.1	6.2	6.2	6.1	6.0	20.0
22.0	5.0	5.4	5.3	5.3	5.3	5.3	5.6	5.6	5.6	5.5	4.9	4.7	5.8	5.8	5.7	5.6	22.0
24.0	4.6	5.0	5.0	5.0	5.0	4.9	5.3	5.2	5.2	5.2	4.5	4.3	5.5	5.5	5.4	5.3	24.0
26.0	4.3	4.7	4.6	4.6	4.6	4.6	4.7	4.9	4.9	4.9	4.1	3.9	4.6	5.0	5.1	4.9	26.0
28.0	4.0	4.2	4.4	4.4	4.4	4.3	4.0	4.3	4.6	4.6	3.8	3.6	3.9	4.3	4.7	4.5	28.0
30.0		3.6	3.8	4.0	4.1	4.1	3.4	3.7	4.0	4.2	3.5	3.3	3.3	3.7	4.0	4.2	30.0
32.0		3.1					2.8	3.2	3.4	3.7	3.3	3.0	2.7	3.2	3.5	3.6	32.0
34.0							2.3	2.7	3.0	3.2	3.0	2.8	2.2	2.7	3.0	3.2	34.0
36.0												2.6	1.7	2.3	2.6	2.7	36.0
38.0													1.3	1.9	2.2	2.4	38.0
40.0																	40.0
42.0																	42.0
44.0																	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	0	45	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	0	45	45	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	0	45	45	90	4
5	0	0	0	0	0	45	0	0	0	45	90	100	0	0	45	45	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0	6.7	6.4	7.3	7.1	7.0	7.0	6.8										16.0
18.0	6.1	5.8	6.8	6.6	6.6	6.5	6.2	6.2	5.8	6.7	6.7	6.6	6.4	6.3	5.9		18.0
20.0	5.6	5.3	6.4	6.2	6.2	6.1	5.8	5.7	5.4	6.4	6.3	6.3	5.9	6.1	5.7	5.2	20.0
22.0	5.1	4.8	6.0	5.9	5.8	5.8	5.3	5.2	5.0	6.0	6.0	5.9	5.5	5.8	5.3	5.0	22.0
24.0	4.7	4.5	5.5	5.5	5.5	5.4	4.9	4.8	4.6	5.6	5.6	5.6	5.1	5.5	5.0	4.7	24.0
26.0	4.4	4.1	4.6	5.1	5.2	5.1	4.6	4.5	4.2	4.7	4.9	5.0	4.7	5.2	4.6	4.3	26.0
28.0	4.0	3.8	3.9	4.4	4.5	4.6	4.3	4.1	3.9	4.0	4.1	4.3	4.4	4.5	4.3	4.0	28.0
30.0	3.8	3.5	3.3	3.8	3.9	4.0	4.0	3.8	3.5	3.4	3.5	3.6	3.8	3.9	4.0	3.7	30.0
32.0	3.5	3.3	2.7	3.2	3.4	3.5	3.5	3.5	3.2	2.8	3.0	3.1	3.3	3.3	3.5	3.4	32.0
34.0	3.2	3.0	2.3	2.8	2.9	3.0	3.1	3.2	2.9	2.4	2.5	2.6	2.8	2.9	3.0	3.0	34.0
36.0	2.8	2.8	1.8	2.4	2.5	2.6	2.7	2.8	2.7	1.9	2.1	2.2	2.4	2.4	2.6	2.6	36.0
38.0	2.5	2.5	1.3	2.0	2.1	2.2	2.3	2.4	2.4	1.5	1.7	1.8	2.0	2.1	2.3	2.3	38.0
40.0				1.6	1.7	1.9	2.0	2.1	2.1	1.1	1.3	1.4	1.7	1.7	1.9	1.9	40.0
42.0				1.2	1.4	1.5	1.6	1.8	1.8			1.1	1.3	1.4	1.6	1.6	42.0
44.0									1.4					1.0	1.3	1.3	44.0
46.0																	46.0
48.0																	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	0	45	0	0	0	0	0	0	45	0	0	0	0	0	0	1
2	0	0	45	45	0	0	0	0	0	45	90	45	45	0	0	0	2
3	0	0	45	45	90	45	45	0	0	45	45	90	45	90	45	45	3
4	45	45	45	45	45	90	45	90	100	45	45	45	45	90	90	100	4
5	90	100	0	45	45	45	90	90	100	45	45	45	90	45	90	100	5
LK-Code	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	23.4 m (12.0 m+11.4 m)	27.1 t	7.7 m x 4.7 m	360°	JPN

	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	6.5	6.4	6.0	6.3													18.0
	20.0	6.3	6.2	5.8	6.1	5.8	5.5	5.2	4.6	5.7	5.5	5.1	5.3	4.9		5.0		20.0
	22.0	6.1	6.0	5.6	5.9	5.6	5.3	5.1	4.5	5.5	5.3	4.9	5.1	4.7	4.1	4.8	4.6	22.0
	24.0	5.3	5.4	5.2	5.6	5.4	5.1	4.9	4.4	4.9	5.1	4.8	5.0	4.6	4.1	4.7	4.5	24.0
	26.0	4.4	4.5	4.8	4.8	5.0	4.8	4.7	4.3	4.1	4.3	4.7	4.8	4.5	4.0	3.9	4.2	26.0
	28.0	3.7	3.8	4.1	4.1	4.2	4.4	4.4	4.2	3.4	3.6	4.1	4.0	4.3	3.9	3.2	3.5	28.0
	30.0	3.1	3.2	3.4	3.4	3.6	3.8	3.9	3.8	2.7	3.0	3.4	3.4	3.7	3.7	2.5	2.9	30.0
	32.0	2.5	2.6	2.9	2.9	3.1	3.3	3.4	3.3	2.2	2.4	2.9	2.9	3.1	3.1	2.0	2.3	32.0
	34.0	2.0	2.1	2.5	2.4	2.6	2.8	2.9	2.9	1.7	1.9	2.4	2.4	2.7	2.6	1.5	1.8	34.0
	36.0	1.5	1.7	2.0	2.0	2.2	2.4	2.5	2.5	1.2	1.5	2.0	2.0	2.3	2.2	1.0	1.4	36.0
	38.0	1.1	1.2	1.6	1.6	1.8	2.0	2.1	2.1		1.1	1.6	1.6	1.9	1.8			38.0
	40.0			1.2	1.2	1.4	1.6	1.8	1.7			1.2	1.2	1.5	1.4			40.0
	42.0					1.1	1.3	1.4	1.4					1.1	1.1			42.0
	44.0							1.1	1.0									44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	90	45	45	0	0	0	0	0	90	45	45	0	0	0	90	45	1
	2	45	90	45	90	45	45	0	0	90	90	45	90	45	45	90	90	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	90	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	90	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	45	5
	LK-Code	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	45.7	45.3	50.2	49.4	49.8	54.7	53.5	59.8									m
	°	40	40	40	40	40	40	40	40									°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	4.4	4.3		4.2	3.9												22.0
	24.0	4.3	4.2	3.5	4.1	3.8	3.1	3.4										24.0
	26.0	4.2	4.1	3.5	3.7	3.7	3.1	3.4	2.6									26.0
	28.0	3.9	4.0	3.4	3.1	3.5	3.0	3.0	2.5									28.0
	30.0	3.2	3.4	3.1	2.4	2.9	2.5	2.4	1.9									30.0
	32.0	2.7	2.9	2.6	1.9	2.3	2.0	1.8	1.4									32.0
	34.0	2.2	2.4	2.1	1.4	1.8	1.5	1.4										34.0
	36.0	1.7	1.9	1.6		1.4	1.1											36.0
	38.0	1.3	1.5	1.3														38.0
	40.0		1.2															40.0
	42.0																	42.0
	44.0																	44.0
	46.0																	46.0
	48.0																	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	90	45	45	90	100									1
	2	45	90	100	90	90	100	90	100									2
	3	90	90	100	90	90	100	90	100									3
	4	90	90	100	90	90	100	90	100									4
	5	90	90	100	45	90	100	90	100									5
	LK-Code	49	50	51	52	53	54	55	56									LK-Code
		2	2	2	2	2	2	2	2									

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	7.7	7.4	7.5	7.5	7.5												6.0
7.0	7.6	7.3	7.5	7.4	7.4	6.9	7.1	7.2	7.1								7.0
8.0	7.5	7.2	7.4	7.3	7.3	6.8	7.1	7.2	7.1	6.5	5.9	6.8	6.8	6.2			8.0
9.0	7.4	7.2	7.3	7.3	7.2	6.8	7.0	7.1	7.0	6.5	5.9	6.8	6.8	6.2	5.7	5.3	9.0
10.0	7.3	7.1	7.2	7.2	7.1	6.7	6.9	7.0	6.9	6.4	5.9	6.7	6.7	6.2	5.7	5.3	10.0
12.0	7.0	6.9	7.0	7.0	6.9	6.5	6.8	6.8	6.8	6.3	5.9	6.6	6.6	6.1	5.7	5.3	12.0
14.0	6.5	6.7	6.8	6.8	6.7	6.4	6.6	6.6	6.6	6.1	5.7	6.4	6.4	5.9	5.7	5.3	14.0
16.0	5.9	6.2	6.2	6.2	6.2	6.0	6.4	6.4	6.4	6.0	5.6	6.2	6.3	5.8	5.5	5.3	16.0
18.0	5.3	5.7	5.7	5.7	5.7	5.5	5.9	5.9	5.9	5.6	5.4	6.0	6.0	5.6	5.4	5.1	18.0
20.0	4.8	5.2	5.2	5.2	5.2	5.1	5.5	5.5	5.4	5.2	4.9	5.6	5.6	5.3	5.2	5.0	20.0
22.0	4.4	4.8	4.7	4.7	4.7	4.6	5.0	5.0	5.0	4.9	4.4	5.2	5.2	5.0	4.9	4.6	22.0
24.0	4.0	4.4	4.3	4.3	4.3	4.3	4.6	4.6	4.6	4.5	4.0	4.9	4.8	4.7	4.6	4.2	24.0
26.0	3.6	4.0	4.0	4.0	4.0	3.9	4.3	4.3	4.3	4.2	3.6	4.5	4.5	4.4	4.2	3.8	26.0
28.0	3.3	3.7	3.6	3.6	3.6	3.6	4.0	3.9	3.9	3.9	3.3	4.2	4.2	4.1	3.9	3.5	28.0
30.0	3.0	3.4	3.3	3.3	3.3	3.3	3.7	3.6	3.6	3.6	3.0	3.9	3.9	3.8	3.6	3.2	30.0
32.0	2.8	3.1	3.1	3.1	3.1	3.1	3.4	3.3	3.3	3.3	2.7	3.7	3.6	3.5	3.4	3.0	32.0
34.0	2.6	2.9	2.9	2.9	2.9	2.8	3.1	3.1	3.1	3.1	2.5	3.4	3.4	3.3	3.1	2.7	34.0
36.0	2.4	2.7	2.7	2.6	2.7	2.6	2.9	2.9	2.9	2.9	2.3	3.2	3.1	3.1	2.8	2.5	36.0
38.0	2.2	2.5	2.5	2.5	2.5	2.4	2.7	2.7	2.7	2.7	2.1	3.0	2.9	2.9	2.5	2.3	38.0
40.0	2.1	2.3	2.3	2.3	2.3	2.3	2.6	2.5	2.5	2.5	1.9	2.8	2.8	2.7	2.4	2.1	40.0
42.0	2.0	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	1.8	2.6	2.6	2.5	2.2	2.0	42.0
44.0		2.1	2.1	2.1	2.1	2.1	2.3	2.2	2.2	2.2	1.6	2.5	2.4	2.4	2.0	1.8	44.0
46.0		2.0	2.0	2.0	2.0	2.0	2.2	2.1	2.1	2.1	1.5	2.3	2.3	2.3	1.8	1.7	46.0
48.0							2.1	2.0	2.0	2.0	1.4	2.2	2.2	2.2	1.7	1.6	48.0
50.0							2.0	2.0	2.0	2.0	1.4	2.1	2.1	2.1	1.6	1.5	50.0
54.0												2.0	2.0	2.0	1.4	1.4	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	6.4	6.0															9.0
10.0	6.4	6.0	5.6	5.3	5.0	4.6	5.5	5.4									10.0
12.0	6.3	5.9	5.6	5.3	5.0	4.6	5.5	5.4	5.2	4.8	4.7	4.2	5.0	4.9	4.4	4.7	12.0
14.0	6.2	5.8	5.6	5.3	5.0	4.6	5.5	5.4	5.2	4.8	4.7	4.2	5.0	4.9	4.4	4.7	14.0
16.0	6.0	5.7	5.5	5.3	5.0	4.6	5.4	5.4	5.2	4.8	4.7	4.2	5.0	4.9	4.4	4.7	16.0
18.0	5.9	5.5	5.3	5.1	5.0	4.6	5.3	5.3	5.1	4.8	4.7	4.2	5.0	4.9	4.4	4.7	18.0
20.0	5.6	5.4	5.2	5.0	4.8	4.6	5.2	5.1	5.0	4.7	4.7	4.2	4.9	4.8	4.4	4.7	20.0
22.0	5.3	5.1	5.0	4.8	4.7	4.4	5.0	5.0	4.9	4.6	4.6	4.2	4.8	4.7	4.4	4.6	22.0
24.0	5.0	4.8	4.7	4.6	4.3	4.1	4.8	4.8	4.7	4.4	4.4	4.1	4.7	4.6	4.3	4.5	24.0
26.0	4.7	4.5	4.4	4.3	4.0	3.8	4.6	4.5	4.5	4.1	4.2	3.8	4.5	4.5	4.2	4.4	26.0
28.0	4.4	4.2	4.2	4.0	3.7	3.5	4.3	4.3	4.2	3.9	4.0	3.6	4.3	4.3	3.9	4.2	28.0
30.0	4.1	4.0	3.9	3.8	3.4	3.2	4.1	4.1	4.0	3.6	3.8	3.3	4.1	4.1	3.7	4.0	30.0
32.0	3.9	3.7	3.7	3.5	3.2	2.9	3.9	3.8	3.8	3.3	3.6	3.0	3.9	3.9	3.5	3.8	32.0
34.0	3.6	3.5	3.5	3.3	2.9	2.7	3.7	3.6	3.6	3.1	3.3	2.8	3.7	3.7	3.3	3.6	34.0
36.0	3.4	3.3	3.3	3.0	2.7	2.4	3.5	3.4	3.4	2.9	3.1	2.6	3.5	3.5	3.1	3.5	36.0
38.0	3.2	3.1	3.1	2.8	2.5	2.2	3.3	3.2	3.2	2.7	2.9	2.4	3.4	3.4	2.9	3.3	38.0
40.0	3.0	2.9	2.9	2.5	2.3	2.0	3.1	3.1	3.0	2.5	2.7	2.2	3.2	3.2	2.7	3.1	40.0
42.0	2.8	2.7	2.7	2.4	2.2	1.8	2.9	2.9	2.9	2.3	2.4	2.0	3.0	3.0	2.5	3.0	42.0
44.0	2.6	2.6	2.5	2.2	2.0	1.7	2.7	2.7	2.7	2.2	2.2	1.8	2.9	2.9	2.4	2.8	44.0
46.0	2.5	2.4	2.3	2.0	1.9	1.5	2.6	2.6	2.5	2.0	2.0	1.7	2.7	2.7	2.2	2.7	46.0
48.0	2.4	2.3	2.2	1.9	1.7	1.4	2.5	2.4	2.4	1.9	1.9	1.5	2.6	2.6	2.1	2.5	48.0
50.0	2.2	2.2	2.0	1.7	1.6	1.3	2.3	2.3	2.2	1.8	1.7	1.4	2.3	2.4	1.9	2.4	50.0
54.0	2.1	2.0	1.8	1.5	1.5	1.1	2.1	2.1	1.9	1.6	1.4	1.2	1.7	1.8	1.7	2.1	54.0
58.0	1.7	1.9	1.6	1.4	1.4		1.6	1.8	1.7	1.4	1.2	1.0	1.2	1.3	1.5	1.6	58.0
62.0							1.2	1.3	1.5	1.4	1.0				1.2	1.2	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	4.3	4.0	3.7														12.0
	14.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0						14.0
	16.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6			16.0
	18.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		18.0
	20.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		20.0
	22.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		22.0
	24.0	4.3	4.0	3.7	4.3	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		24.0
	26.0	4.2	3.9	3.7	4.3	4.1	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		26.0
	28.0	4.0	3.6	3.6	4.2	4.0	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		28.0
	30.0	3.8	3.4	3.3	4.0	3.9	3.4	3.8	3.3	3.6	3.4	3.0	3.0	2.9	2.6	2.2		30.0
	32.0	3.6	3.2	3.1	3.8	3.8	3.2	3.6	3.1	3.6	3.4	3.0	3.0	2.9	2.6	2.2		32.0
	34.0	3.4	2.9	2.9	3.7	3.6	3.0	3.4	3.0	3.5	3.3	2.9	2.9	2.9	2.6	2.2		34.0
	36.0	3.2	2.7	2.7	3.5	3.5	2.8	3.3	2.8	3.4	3.2	2.8	2.7	2.9	2.6	2.2		36.0
	38.0	3.0	2.5	2.5	3.4	3.3	2.6	3.1	2.6	3.3	3.1	2.6	2.6	2.9	2.6	2.2		38.0
	40.0	2.8	2.3	2.3	3.2	3.2	2.5	2.9	2.4	3.2	2.9	2.5	2.4	2.9	2.4	2.2		40.0
	42.0	2.6	2.2	2.1	3.1	3.1	2.3	2.7	2.2	3.0	2.8	2.3	2.3	2.7	2.3	2.2		42.0
	44.0	2.4	2.0	2.0	3.0	2.9	2.1	2.6	2.1	2.9	2.6	2.2	2.1	2.6	2.2	2.2		44.0
	46.0	2.2	1.8	1.8	2.7	2.8	2.0	2.4	1.9	2.6	2.5	2.0	2.0	2.4	2.1	2.1		46.0
	48.0	2.0	1.7	1.6	2.3	2.6	1.8	2.2	1.8	2.2	2.3	1.9	1.9	2.1	1.9	1.9		48.0
	50.0	1.9	1.6	1.5	2.0	2.2	1.7	2.0	1.6	1.8	2.1	1.7	1.7	1.8	1.8	1.7		50.0
	54.0	1.6	1.3	1.2	1.4	1.6	1.5	1.7	1.3	1.2	1.5	1.5	1.5	1.2	1.5	1.1		54.0
	58.0	1.3	1.1			1.1	1.2	1.5	1.1		1.0	1.2	1.2		1.0			58.0
	62.0	1.1					1.1	1.1					1.0					62.0
	66.0	1.0																66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	7.3																10.0
12.0	7.0	6.9	7.0	7.0	7.0	6.6	6.8	6.8	6.8	6.3							12.0
14.0	6.4	6.5	6.6	6.6	6.5	6.3	6.5	6.6	6.5	6.2	5.8	6.4	6.5	6.0	5.7	5.3	14.0
16.0	5.7	6.0	6.0	6.0	6.0	5.8	6.1	6.2	6.1	5.9	5.6	6.1	6.1	5.8	5.6	5.3	16.0
18.0	5.2	5.4	5.4	5.4	5.4	5.3	5.6	5.6	5.6	5.4	5.3	5.8	5.7	5.5	5.3	5.1	18.0
20.0	4.6	5.0	4.9	4.9	4.9	4.9	5.2	5.2	5.1	5.0	4.8	5.3	5.3	5.1	5.0	4.9	20.0
22.0	4.2	4.5	4.5	4.5	4.5	4.4	4.8	4.7	4.7	4.6	4.4	4.9	4.9	4.8	4.7	4.5	22.0
24.0	3.8	4.1	4.1	4.1	4.1	4.0	4.4	4.4	4.3	4.3	4.0	4.6	4.5	4.4	4.4	4.1	24.0
26.0	3.5	3.8	3.7	3.8	3.7	3.7	4.0	4.0	4.0	3.9	3.6	4.2	4.2	4.1	4.1	3.8	26.0
28.0	3.2	3.5	3.5	3.5	3.5	3.4	3.7	3.7	3.7	3.6	3.2	3.9	3.9	3.8	3.8	3.4	28.0
30.0	3.0	3.2	3.2	3.2	3.2	3.2	3.4	3.4	3.4	3.4	3.0	3.6	3.6	3.6	3.5	3.1	30.0
32.0	2.7	3.0	3.0	3.0	3.0	2.9	3.2	3.2	3.2	3.1	2.7	3.4	3.4	3.3	3.3	2.9	32.0
34.0	2.5	2.8	2.8	2.8	2.8	2.7	3.0	3.0	3.0	2.9	2.5	3.2	3.2	3.1	3.0	2.7	34.0
36.0	2.3	2.6	2.6	2.6	2.6	2.6	2.8	2.8	2.8	2.7	2.3	3.0	3.0	2.9	2.8	2.5	36.0
38.0	2.2	2.4	2.4	2.4	2.4	2.4	2.6	2.6	2.6	2.6	2.1	2.8	2.8	2.8	2.6	2.3	38.0
40.0	2.1	2.3	2.3	2.3	2.3	2.2	2.5	2.5	2.5	2.4	1.9	2.7	2.6	2.6	2.4	2.1	40.0
42.0	2.0	2.2	2.1	2.1	2.1	2.1	2.3	2.3	2.3	2.3	1.8	2.5	2.5	2.5	2.2	2.0	42.0
44.0		2.1	2.0	2.0	2.0	2.0	2.2	2.2	2.2	2.2	1.6	2.4	2.4	2.3	2.0	1.8	44.0
46.0		2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	1.5	2.3	2.2	2.2	1.9	1.7	46.0
48.0							2.0	2.0	2.0	2.0	1.4	2.2	2.1	2.1	1.7	1.6	48.0
50.0							2.0	2.0	2.0	2.0	1.4	2.1	2.1	2.0	1.6	1.5	50.0
54.0												2.0	1.9	1.9	1.4	1.4	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	6.2	5.8															14.0
16.0	6.0	5.7	5.5	5.3	5.0	4.6	5.4	5.4	5.2	4.8	4.7	4.2					16.0
18.0	5.7	5.5	5.3	5.2	5.0	4.6	5.3	5.3	5.2	4.8	4.7	4.2	5.0	4.9	4.4	4.7	18.0
20.0	5.4	5.2	5.1	4.9	4.8	4.6	5.1	5.1	5.0	4.7	4.7	4.2	4.9	4.9	4.4	4.7	20.0
22.0	5.0	4.9	4.8	4.7	4.6	4.4	4.9	4.8	4.8	4.6	4.5	4.2	4.8	4.7	4.4	4.6	22.0
24.0	4.7	4.5	4.5	4.4	4.2	4.1	4.6	4.6	4.5	4.3	4.3	4.1	4.6	4.5	4.3	4.5	24.0
26.0	4.4	4.2	4.2	4.1	3.9	3.8	4.3	4.3	4.3	4.0	4.1	3.9	4.3	4.3	4.1	4.2	26.0
28.0	4.1	4.0	3.9	3.9	3.6	3.5	4.1	4.1	4.0	3.8	3.9	3.6	4.1	4.1	3.9	4.0	28.0
30.0	3.8	3.7	3.7	3.6	3.3	3.2	3.8	3.8	3.8	3.5	3.7	3.3	3.9	3.9	3.6	3.8	30.0
32.0	3.6	3.5	3.4	3.4	3.1	2.9	3.6	3.6	3.6	3.2	3.5	3.1	3.7	3.7	3.4	3.6	32.0
34.0	3.4	3.3	3.2	3.2	2.8	2.7	3.4	3.4	3.4	3.0	3.3	2.8	3.5	3.5	3.1	3.4	34.0
36.0	3.2	3.1	3.0	3.0	2.6	2.5	3.2	3.2	3.2	2.8	3.1	2.6	3.3	3.3	2.9	3.3	36.0
38.0	3.0	2.9	2.9	2.8	2.4	2.2	3.1	3.0	3.0	2.6	2.9	2.4	3.1	3.1	2.7	3.1	38.0
40.0	2.8	2.7	2.7	2.6	2.3	2.1	2.9	2.9	2.9	2.4	2.7	2.2	3.0	3.0	2.6	2.9	40.0
42.0	2.7	2.6	2.6	2.4	2.1	1.9	2.7	2.7	2.7	2.3	2.5	2.0	2.8	2.8	2.4	2.8	42.0
44.0	2.5	2.5	2.4	2.2	2.0	1.7	2.6	2.6	2.6	2.1	2.3	1.9	2.7	2.7	2.3	2.7	44.0
46.0	2.4	2.3	2.3	2.0	1.8	1.6	2.5	2.5	2.4	2.0	2.1	1.7	2.6	2.6	2.1	2.5	46.0
48.0	2.3	2.2	2.2	1.9	1.7	1.4	2.4	2.3	2.3	1.9	1.9	1.6	2.5	2.5	2.0	2.4	48.0
50.0	2.2	2.1	2.0	1.8	1.6	1.3	2.3	2.2	2.2	1.7	1.7	1.4	2.4	2.3	1.9	2.3	50.0
54.0	2.0	2.0	1.8	1.5	1.4	1.1	2.1	2.1	1.9	1.5	1.4	1.2	1.9	2.0	1.7	2.1	54.0
58.0	1.7	1.9	1.6	1.4	1.3		1.7	1.9	1.7	1.4	1.2	1.0	1.3	1.4	1.5	1.7	58.0
62.0							1.3	1.5	1.5	1.3	1.0				1.3	1.3	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	4.3	4.0	3.7	4.4	4.2	3.6											18.0
	20.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0					20.0
	22.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		22.0
	24.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		24.0
	26.0	4.1	3.9	3.7	4.2	4.1	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		26.0
	28.0	3.9	3.7	3.6	4.0	4.0	3.6	3.8	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		28.0
	30.0	3.7	3.4	3.3	3.9	3.8	3.4	3.7	3.3	3.7	3.4	3.0	3.0	2.9	2.6	2.2		30.0
	32.0	3.5	3.2	3.1	3.7	3.6	3.2	3.5	3.1	3.5	3.4	3.0	3.0	2.9	2.6	2.2		32.0
	34.0	3.3	2.9	2.9	3.5	3.5	3.0	3.3	2.9	3.4	3.3	2.9	2.9	2.9	2.6	2.2		34.0
	36.0	3.2	2.7	2.7	3.3	3.3	2.8	3.2	2.8	3.3	3.2	2.8	2.7	2.9	2.6	2.2		36.0
	38.0	3.0	2.5	2.5	3.2	3.2	2.6	3.0	2.6	3.1	3.0	2.6	2.6	2.9	2.6	2.2		38.0
	40.0	2.8	2.3	2.3	3.0	3.0	2.4	2.8	2.4	3.0	2.9	2.4	2.4	2.9	2.4	2.2		40.0
	42.0	2.6	2.2	2.1	2.9	2.9	2.3	2.7	2.2	2.9	2.7	2.3	2.3	2.7	2.3	2.2		42.0
	44.0	2.4	2.0	2.0	2.8	2.7	2.1	2.5	2.1	2.8	2.6	2.1	2.1	2.6	2.2	2.1		44.0
	46.0	2.2	1.8	1.8	2.6	2.6	2.0	2.4	1.9	2.6	2.5	2.0	2.0	2.5	2.0	2.0		46.0
	48.0	2.1	1.7	1.7	2.5	2.5	1.8	2.2	1.8	2.5	2.3	1.9	1.8	2.3	1.9	1.9		48.0
	50.0	1.9	1.6	1.5	2.3	2.4	1.7	2.0	1.6	2.1	2.2	1.7	1.7	2.1	1.8	1.8		50.0
	54.0	1.6	1.3	1.3	1.6	1.8	1.5	1.7	1.4	1.5	1.8	1.5	1.5	1.4	1.6	1.4		54.0
	58.0	1.3	1.1		1.1	1.3	1.2	1.5	1.1		1.2	1.3	1.2		1.2			58.0
	62.0	1.1					1.1	1.2				1.0	1.0					62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	6.1		6.2														14.0
16.0	5.4	5.6	5.6	5.6	5.6	5.5	5.7	5.7	5.7	5.5		5.8	5.8				16.0
18.0	4.9	5.1	5.1	5.1	5.1	5.0	5.2	5.2	5.2	5.1	5.0	5.3	5.3	5.1	5.0	4.9	18.0
20.0	4.5	4.7	4.6	4.6	4.7	4.6	4.8	4.8	4.8	4.7	4.6	4.9	4.9	4.8	4.7	4.6	20.0
22.0	4.1	4.3	4.3	4.3	4.3	4.2	4.4	4.4	4.4	4.3	4.2	4.6	4.6	4.4	4.4	4.3	22.0
24.0	3.7	3.9	3.9	3.9	3.9	3.9	4.1	4.1	4.1	4.0	3.9	4.2	4.2	4.1	4.1	4.0	24.0
26.0	3.4	3.6	3.6	3.6	3.6	3.6	3.8	3.8	3.8	3.7	3.6	4.0	3.9	3.9	3.8	3.7	26.0
28.0	3.1	3.4	3.3	3.3	3.3	3.3	3.5	3.5	3.5	3.5	3.2	3.7	3.7	3.6	3.6	3.4	28.0
30.0	2.9	3.1	3.1	3.1	3.1	3.1	3.3	3.3	3.3	3.2	3.0	3.5	3.4	3.4	3.3	3.1	30.0
32.0	2.7	2.9	2.9	2.9	2.9	2.9	3.1	3.1	3.1	3.0	2.7	3.2	3.2	3.2	3.1	2.9	32.0
34.0	2.5	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.8	2.5	3.1	3.0	3.0	2.9	2.6	34.0
36.0	2.3	2.6	2.5	2.5	2.5	2.5	2.7	2.7	2.7	2.7	2.3	2.9	2.9	2.8	2.7	2.4	36.0
38.0	2.2	2.4	2.4	2.4	2.4	2.4	2.6	2.6	2.5	2.5	2.1	2.7	2.7	2.7	2.6	2.3	38.0
40.0	2.1	2.3	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	1.9	2.6	2.6	2.5	2.4	2.1	40.0
42.0		2.1	2.1	2.1	2.1	2.1	2.3	2.3	2.3	2.3	1.8	2.4	2.4	2.4	2.2	2.0	42.0
44.0		2.1	2.0	2.0	2.0	2.0	2.2	2.2	2.2	2.2	1.7	2.3	2.3	2.3	2.0	1.8	44.0
46.0		2.0					2.1	2.1	2.1	2.1	1.5	2.2	2.2	2.2	1.9	1.7	46.0
48.0							2.0	2.0	2.0	2.0	1.4	2.1	2.1	2.1	1.7	1.6	48.0
50.0							2.0					2.0	2.0	2.0	1.6	1.5	50.0
54.0												1.9					54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	5.3	5.2															18.0
20.0	5.0	4.8	4.8	4.7	4.6	4.5	4.8	4.8	4.7	4.6	4.5						20.0
22.0	4.7	4.5	4.5	4.4	4.3	4.2	4.5	4.5	4.5	4.3	4.3	4.1	4.5	4.5	4.3	4.4	22.0
24.0	4.3	4.2	4.2	4.1	4.1	4.0	4.3	4.3	4.2	4.1	4.1	3.9	4.3	4.2	4.1	4.2	24.0
26.0	4.1	4.0	3.9	3.9	3.8	3.7	4.0	4.0	4.0	3.9	3.9	3.8	4.0	4.0	3.9	4.0	26.0
28.0	3.8	3.7	3.7	3.6	3.5	3.5	3.8	3.8	3.8	3.6	3.7	3.5	3.8	3.8	3.7	3.8	28.0
30.0	3.6	3.5	3.5	3.4	3.3	3.2	3.6	3.6	3.5	3.4	3.5	3.3	3.6	3.6	3.5	3.6	30.0
32.0	3.4	3.3	3.3	3.2	3.0	3.0	3.4	3.4	3.4	3.1	3.3	3.1	3.5	3.4	3.2	3.4	32.0
34.0	3.2	3.1	3.1	3.1	2.8	2.7	3.2	3.2	3.2	2.9	3.1	2.8	3.3	3.3	3.0	3.2	34.0
36.0	3.0	2.9	2.9	2.9	2.6	2.5	3.0	3.0	3.0	2.7	3.0	2.6	3.1	3.1	2.8	3.1	36.0
38.0	2.8	2.8	2.8	2.7	2.4	2.3	2.9	2.9	2.9	2.5	2.8	2.4	3.0	3.0	2.7	2.9	38.0
40.0	2.7	2.6	2.6	2.5	2.2	2.1	2.8	2.7	2.7	2.4	2.6	2.2	2.8	2.8	2.5	2.8	40.0
42.0	2.6	2.5	2.5	2.4	2.1	1.9	2.6	2.6	2.6	2.2	2.5	2.0	2.7	2.7	2.3	2.7	42.0
44.0	2.4	2.4	2.4	2.2	2.0	1.7	2.5	2.5	2.5	2.1	2.3	1.9	2.6	2.6	2.2	2.5	44.0
46.0	2.3	2.3	2.3	2.0	1.8	1.6	2.4	2.4	2.4	2.0	2.1	1.7	2.5	2.5	2.1	2.4	46.0
48.0	2.2	2.2	2.2	1.9	1.7	1.4	2.3	2.3	2.3	1.8	1.9	1.6	2.4	2.4	2.0	2.3	48.0
50.0	2.1	2.1	2.1	1.8	1.6	1.3	2.2	2.2	2.2	1.7	1.8	1.5	2.3	2.3	1.9	2.2	50.0
54.0	2.0	2.0	1.8	1.5	1.4	1.1	2.0	2.0	2.0	1.5	1.5	1.2	2.1	2.1	1.7	2.1	54.0
58.0	1.8						1.8	2.0	1.8	1.4	1.2	1.0	1.5	1.6	1.5	1.9	58.0
62.0														1.0	1.4	1.3	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	4.3	4.0		4.3													22.0
	24.0	4.1	3.9	3.7	4.2	4.1	3.6	3.9	3.4	3.7	3.4							24.0
	26.0	3.9	3.8	3.7	4.0	3.9	3.6	3.8	3.4	3.7	3.4	3.0	3.0	2.9	2.6			26.0
	28.0	3.7	3.6	3.5	3.8	3.7	3.5	3.6	3.4	3.6	3.4	3.0	3.0	2.9	2.6	2.2		28.0
	30.0	3.5	3.4	3.3	3.6	3.6	3.4	3.5	3.3	3.5	3.4	3.0	3.0	2.9	2.6	2.2		30.0
	32.0	3.3	3.2	3.1	3.4	3.4	3.2	3.3	3.1	3.4	3.3	3.0	3.0	2.9	2.6	2.2		32.0
	34.0	3.2	2.9	2.9	3.3	3.3	3.0	3.2	2.9	3.2	3.1	2.9	2.9	2.9	2.6	2.2		34.0
	36.0	3.0	2.7	2.7	3.1	3.1	2.8	3.0	2.7	3.1	3.0	2.7	2.7	2.9	2.6	2.2		36.0
	38.0	2.9	2.5	2.5	3.0	3.0	2.6	2.9	2.6	3.0	2.9	2.6	2.6	2.9	2.5	2.2		38.0
	40.0	2.7	2.3	2.3	2.9	2.8	2.4	2.8	2.4	2.8	2.8	2.4	2.4	2.8	2.4	2.2		40.0
	42.0	2.6	2.2	2.1	2.7	2.7	2.3	2.6	2.2	2.7	2.7	2.3	2.3	2.7	2.3	2.2		42.0
	44.0	2.4	2.0	2.0	2.6	2.6	2.1	2.5	2.1	2.6	2.5	2.1	2.1	2.5	2.1	2.1		44.0
	46.0	2.3	1.9	1.8	2.5	2.5	2.0	2.4	1.9	2.5	2.4	2.0	2.0	2.4	2.0	2.0		46.0
	48.0	2.1	1.7	1.7	2.4	2.4	1.8	2.2	1.8	2.4	2.3	1.9	1.8	2.3	1.9	1.9		48.0
	50.0	1.9	1.6	1.6	2.3	2.3	1.7	2.1	1.7	2.3	2.2	1.7	1.7	2.2	1.8	1.8		50.0
	54.0	1.6	1.3	1.3	1.8	2.0	1.5	1.8	1.4	1.7	1.9	1.5	1.5	1.7	1.6	1.6		54.0
	58.0	1.4	1.2	1.0	1.2	1.4	1.3	1.5	1.2	1.1	1.4	1.3	1.3	1.1	1.4	1.1		58.0
	62.0	1.2					1.1	1.3				1.1	1.1					62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	4.7	4.8	4.8	4.8	4.8	4.7	4.9	4.9	4.9								18.0
20.0	4.3	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.4	4.4	4.6	4.6	4.5			20.0
22.0	3.9	4.1	4.1	4.1	4.1	4.0	4.2	4.2	4.2	4.1	4.0	4.3	4.3	4.2	4.1	4.1	22.0
24.0	3.6	3.8	3.8	3.8	3.8	3.7	3.9	3.9	3.9	3.8	3.8	4.0	4.0	3.9	3.9	3.8	24.0
26.0	3.3	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	3.7	3.7	3.7	3.6	3.6	26.0
28.0	3.1	3.3	3.2	3.2	3.2	3.2	3.4	3.4	3.4	3.3	3.2	3.5	3.5	3.4	3.4	3.3	28.0
30.0	2.9	3.0	3.0	3.0	3.0	3.0	3.2	3.2	3.2	3.1	3.0	3.3	3.3	3.2	3.2	3.1	30.0
32.0	2.7	2.8	2.8	2.8	2.8	2.8	3.0	3.0	3.0	2.9	2.7	3.1	3.1	3.0	3.0	2.8	32.0
34.0	2.5	2.7	2.7	2.6	2.7	2.6	2.8	2.8	2.8	2.8	2.5	2.9	2.9	2.9	2.8	2.6	34.0
36.0	2.3	2.5	2.5	2.5	2.5	2.5	2.7	2.6	2.6	2.6	2.3	2.8	2.8	2.7	2.7	2.4	36.0
38.0	2.2	2.4	2.4	2.4	2.4	2.3	2.5	2.5	2.5	2.5	2.1	2.6	2.6	2.6	2.5	2.3	38.0
40.0	2.1	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.3	2.0	2.5	2.5	2.5	2.4	2.1	40.0
42.0		2.1	2.1	2.1	2.1	2.1	2.3	2.3	2.3	2.2	1.8	2.4	2.4	2.3	2.2	2.0	42.0
44.0		2.1					2.2	2.2	2.2	2.1	1.7	2.3	2.3	2.2	2.1	1.8	44.0
46.0							2.1	2.1	2.1	2.1	1.6	2.2	2.2	2.2	1.9	1.7	46.0
48.0												2.1	2.1	2.1	1.7	1.6	48.0
50.0												2.1	2.0	2.0	1.6	1.5	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0	4.6																20.0
22.0	4.3	4.2	4.2	4.1	4.1		4.2	4.2									22.0
24.0	4.1	4.0	3.9	3.9	3.8	3.8	4.0	4.0	3.9	3.9	3.9	3.6	4.0	3.9	3.6	3.8	24.0
26.0	3.8	3.7	3.7	3.7	3.6	3.6	3.8	3.8	3.7	3.7	3.7	3.5	3.8	3.8	3.6	3.7	26.0
28.0	3.6	3.5	3.5	3.5	3.4	3.4	3.6	3.6	3.5	3.5	3.5	3.4	3.6	3.6	3.5	3.5	28.0
30.0	3.4	3.3	3.3	3.3	3.2	3.1	3.4	3.4	3.3	3.3	3.3	3.2	3.4	3.4	3.3	3.4	30.0
32.0	3.2	3.1	3.1	3.1	3.0	2.9	3.2	3.2	3.2	3.1	3.1	3.0	3.2	3.2	3.1	3.2	32.0
34.0	3.0	3.0	3.0	2.9	2.8	2.7	3.1	3.0	3.0	2.9	3.0	2.8	3.1	3.1	2.9	3.1	34.0
36.0	2.9	2.8	2.8	2.8	2.6	2.5	2.9	2.9	2.9	2.7	2.8	2.6	3.0	3.0	2.8	2.9	36.0
38.0	2.7	2.7	2.7	2.6	2.4	2.3	2.8	2.8	2.7	2.5	2.7	2.4	2.8	2.8	2.6	2.8	38.0
40.0	2.6	2.6	2.5	2.5	2.2	2.1	2.6	2.6	2.6	2.3	2.6	2.2	2.7	2.7	2.4	2.7	40.0
42.0	2.5	2.4	2.4	2.3	2.1	1.9	2.5	2.5	2.5	2.2	2.4	2.1	2.6	2.6	2.3	2.6	42.0
44.0	2.4	2.3	2.3	2.2	2.0	1.8	2.4	2.4	2.4	2.1	2.3	1.9	2.5	2.5	2.2	2.5	44.0
46.0	2.3	2.2	2.2	2.0	1.8	1.6	2.3	2.3	2.3	1.9	2.1	1.8	2.4	2.4	2.1	2.4	46.0
48.0	2.2	2.2	2.2	1.9	1.7	1.5	2.2	2.2	2.2	1.8	2.0	1.6	2.3	2.3	2.0	2.3	48.0
50.0	2.1	2.1	2.1	1.8	1.6	1.3	2.2	2.2	2.2	1.7	1.8	1.5	2.2	2.2	1.8	2.2	50.0
54.0	2.0	2.0	1.8	1.6	1.5	1.1	2.0	2.0	2.0	1.6	1.5	1.2	2.1	2.1	1.7	2.1	54.0
58.0							1.9	2.0	1.7	1.4	1.2	1.0	1.6	1.7	1.5	1.9	58.0
62.0														1.1	1.4	1.4	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
	24.0	3.6	3.4															24.0
	26.0	3.5	3.3	3.1	3.5	3.3	3.0	3.2	2.9	3.0								26.0
	28.0	3.5	3.3	3.1	3.4	3.3	3.0	3.1	2.8	2.9	2.7	2.5	2.5	2.4	2.2			28.0
	30.0	3.3	3.2	3.0	3.3	3.2	2.9	3.1	2.8	2.9	2.7	2.5	2.5	2.4	2.2	1.9		30.0
	32.0	3.2	3.1	3.0	3.3	3.1	2.9	3.0	2.7	2.8	2.6	2.5	2.4	2.3	2.1	1.9		32.0
	34.0	3.0	2.9	2.9	3.1	3.1	2.8	3.0	2.7	2.8	2.6	2.4	2.4	2.3	2.1	1.8		34.0
	36.0	2.9	2.7	2.7	3.0	3.0	2.8	2.9	2.7	2.7	2.5	2.4	2.4	2.3	2.1	1.8		36.0
	38.0	2.8	2.5	2.5	2.9	2.8	2.6	2.8	2.5	2.6	2.5	2.3	2.3	2.2	2.0	1.8		38.0
	40.0	2.6	2.3	2.3	2.7	2.7	2.4	2.7	2.4	2.6	2.5	2.3	2.3	2.2	2.0	1.8		40.0
	42.0	2.5	2.2	2.1	2.6	2.6	2.3	2.6	2.2	2.5	2.4	2.3	2.3	2.1	2.0	1.7		42.0
	44.0	2.4	2.0	2.0	2.5	2.5	2.1	2.5	2.1	2.5	2.4	2.1	2.1	2.1	2.0	1.7		44.0
	46.0	2.2	1.9	1.8	2.4	2.4	2.0	2.3	1.9	2.4	2.3	2.0	2.0	2.1	1.9	1.7		46.0
	48.0	2.1	1.7	1.7	2.3	2.3	1.8	2.2	1.8	2.4	2.3	1.9	1.8	2.0	1.9	1.7		48.0
	50.0	2.0	1.6	1.6	2.3	2.3	1.7	2.1	1.7	2.3	2.2	1.7	1.7	2.0	1.8	1.6		50.0
	54.0	1.7	1.4	1.3	2.0	2.1	1.5	1.8	1.4	1.9	1.9	1.5	1.5	1.9	1.6	1.6		54.0
	58.0	1.4	1.2	1.0	1.3	1.6	1.3	1.5	1.2	1.3	1.5	1.3	1.3	1.3	1.4	1.3		58.0
	62.0	1.2	1.0				1.1	1.3				1.1	1.1		1.1			62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0	4.2	4.2	4.3	4.2	4.2	4.2											20.0
22.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	3.9	3.9	4.0	4.0	4.0			22.0
24.0	3.5	3.7	3.6	3.7	3.6	3.6	3.7	3.7	3.7	3.7	3.6	3.8	3.8	3.7	3.7	3.6	24.0
26.0	3.3	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.4	3.4	3.6	3.6	3.5	3.5	3.4	26.0
28.0	3.0	3.2	3.2	3.2	3.2	3.1	3.3	3.3	3.3	3.2	3.2	3.4	3.4	3.3	3.3	3.2	28.0
30.0	2.8	3.0	3.0	3.0	3.0	2.9	3.1	3.1	3.1	3.0	3.0	3.2	3.2	3.1	3.1	3.0	30.0
32.0	2.6	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.7	3.0	3.0	3.0	2.9	2.8	32.0
34.0	2.5	2.6	2.6	2.6	2.6	2.6	2.8	2.8	2.7	2.7	2.5	2.9	2.9	2.8	2.8	2.6	34.0
36.0	2.3	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.3	2.7	2.7	2.7	2.7	2.4	36.0
38.0		2.4	2.4	2.4	2.4	2.3	2.5	2.5	2.5	2.4	2.1	2.6	2.6	2.5	2.5	2.3	38.0
40.0		2.3	2.3	2.3	2.3	2.2	2.4	2.4	2.4	2.3	2.0	2.5	2.5	2.4	2.4	2.1	40.0
42.0							2.3	2.3	2.3	2.3	1.8	2.4	2.4	2.3	2.2	2.0	42.0
44.0							2.2	2.2	2.2	2.2	1.7	2.3	2.3	2.3	2.1	1.8	44.0
46.0												2.2	2.2	2.2	1.9	1.7	46.0
48.0												2.1	2.1	2.1	1.8	1.6	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0																	22.0
24.0	3.8	3.8	3.7	3.7	3.6		3.8										24.0
26.0	3.6	3.6	3.5	3.5	3.5	3.3	3.6	3.6	3.5	3.3	3.3	3.0	3.4	3.3	3.1	3.2	26.0
28.0	3.4	3.4	3.3	3.3	3.3	3.2	3.4	3.4	3.4	3.3	3.2	3.0	3.3	3.2	3.0	3.1	28.0
30.0	3.3	3.2	3.2	3.1	3.1	3.1	3.2	3.2	3.2	3.1	3.1	2.9	3.2	3.1	2.9	3.1	30.0
32.0	3.1	3.0	3.0	3.0	2.9	2.9	3.1	3.1	3.1	3.0	3.0	2.8	3.1	3.0	2.8	3.0	32.0
34.0	2.9	2.9	2.9	2.8	2.7	2.7	2.9	2.9	2.9	2.8	2.9	2.7	3.0	2.9	2.8	2.9	34.0
36.0	2.8	2.7	2.7	2.7	2.6	2.5	2.8	2.8	2.8	2.7	2.8	2.6	2.8	2.8	2.7	2.8	36.0
38.0	2.7	2.6	2.6	2.6	2.4	2.3	2.7	2.7	2.7	2.5	2.6	2.4	2.7	2.7	2.6	2.7	38.0
40.0	2.6	2.5	2.5	2.5	2.2	2.2	2.6	2.6	2.6	2.3	2.5	2.3	2.6	2.6	2.4	2.6	40.0
42.0	2.5	2.4	2.4	2.4	2.1	2.0	2.5	2.5	2.5	2.2	2.4	2.1	2.5	2.5	2.3	2.5	42.0
44.0	2.4	2.3	2.3	2.2	2.0	1.8	2.4	2.4	2.4	2.1	2.3	1.9	2.4	2.4	2.2	2.4	44.0
46.0	2.3	2.3	2.2	2.1	1.8	1.6	2.3	2.3	2.3	2.0	2.2	1.8	2.4	2.4	2.1	2.3	46.0
48.0	2.2	2.2	2.1	2.0	1.7	1.5	2.2	2.2	2.2	1.8	2.0	1.6	2.3	2.3	1.9	2.3	48.0
50.0	2.2	2.1	2.1	1.8	1.6	1.4	2.2	2.2	2.1	1.8	1.8	1.5	2.2	2.2	1.9	2.2	50.0
54.0							2.1	2.1	2.0	1.6	1.5	1.3	2.1	2.1	1.7	2.0	54.0
58.0													1.6	1.7	1.5	1.8	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	42.2 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
	24.0																	24.0
m	26.0	3.0	2.9															26.0
	28.0	3.0	2.8	2.6	2.9	2.8	2.5	2.6	2.4	2.5								28.0
	30.0	2.9	2.7	2.6	2.8	2.7	2.5	2.6	2.4	2.4	2.3	2.1	2.1	2.0	1.8			30.0
	32.0	2.8	2.7	2.5	2.7	2.6	2.4	2.5	2.3	2.4	2.2	2.1	2.1	1.9	1.8	1.5		32.0
	34.0	2.7	2.6	2.5	2.7	2.6	2.4	2.5	2.3	2.3	2.2	2.0	2.0	1.9	1.7	1.5		34.0
	36.0	2.7	2.5	2.4	2.6	2.5	2.3	2.4	2.2	2.2	2.1	2.0	2.0	1.9	1.7	1.5		36.0
	38.0	2.6	2.5	2.4	2.5	2.4	2.3	2.4	2.2	2.2	2.1	1.9	1.9	1.8	1.7	1.4		38.0
	40.0	2.5	2.3	2.3	2.5	2.4	2.2	2.3	2.1	2.1	2.0	1.9	1.9	1.8	1.6	1.4		40.0
	42.0	2.4	2.2	2.2	2.4	2.3	2.1	2.2	2.1	2.1	2.0	1.9	1.9	1.7	1.6	1.4		42.0
	44.0	2.4	2.0	2.0	2.3	2.2	2.1	2.2	2.0	2.0	1.9	1.8	1.8	1.7	1.6	1.3		44.0
	46.0	2.2	1.9	1.9	2.2	2.2	2.0	2.1	1.9	2.0	1.9	1.8	1.8	1.7	1.5	1.3		46.0
	48.0	2.1	1.7	1.7	2.2	2.1	1.9	2.1	1.8	1.9	1.8	1.7	1.8	1.6	1.5	1.3		48.0
	50.0	2.0	1.6	1.6	2.1	2.1	1.7	2.0	1.7	1.9	1.8	1.7	1.7	1.6	1.5	1.3		50.0
	54.0	1.7	1.4	1.3	2.0	2.0	1.5	1.8	1.4	1.8	1.7	1.6	1.5	1.5	1.4	1.2		54.0
	58.0	1.4	1.2	1.0	1.4	1.6	1.3	1.6	1.2	1.4	1.6	1.3	1.3	1.4	1.4	1.2		58.0
	62.0					1.0	1.1	1.3			1.1	1.1	1.1		1.1			62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0	7.7	7.4	7.5	7.5	7.5												6.0
7.0	7.6	7.3	7.5	7.4	7.4	6.9	7.1	7.2	7.1								7.0
8.0	7.5	7.2	7.4	7.3	7.3	6.8	7.1	7.2	7.1	6.5	5.9	6.8	6.8	6.2			8.0
9.0	7.4	7.2	7.3	7.3	7.2	6.8	7.0	7.1	7.0	6.5	5.9	6.8	6.8	6.2	5.7	5.3	9.0
10.0	7.3	7.1	7.2	7.2	7.1	6.7	6.9	7.0	6.9	6.4	5.9	6.7	6.7	6.2	5.7	5.3	10.0
12.0	7.0	6.9	7.0	7.0	6.9	6.5	6.8	6.8	6.8	6.3	5.9	6.6	6.6	6.1	5.7	5.3	12.0
14.0	6.5	6.7	6.8	6.8	6.7	6.4	6.6	6.6	6.6	6.1	5.7	6.4	6.4	5.9	5.7	5.3	14.0
16.0	5.9	6.2	6.2	6.2	6.2	6.0	6.4	6.4	6.4	6.0	5.6	6.2	6.3	5.8	5.5	5.3	16.0
18.0	5.3	5.7	5.7	5.7	5.7	5.5	5.9	5.9	5.9	5.6	5.4	6.0	6.0	5.6	5.4	5.1	18.0
20.0	4.8	5.2	5.2	5.2	5.2	5.1	5.5	5.5	5.4	5.2	4.9	5.6	5.6	5.3	5.2	5.0	20.0
22.0	4.4	4.8	4.7	4.7	4.7	4.6	5.0	5.0	5.0	4.9	4.4	5.2	5.2	5.0	4.9	4.6	22.0
24.0	4.0	4.4	4.3	4.3	4.3	4.3	4.6	4.6	4.6	4.5	4.0	4.9	4.8	4.7	4.6	4.2	24.0
26.0	3.6	4.0	4.0	4.0	4.0	3.9	4.3	4.3	4.3	4.2	3.6	4.5	4.5	4.4	4.2	3.8	26.0
28.0	3.3	3.7	3.6	3.6	3.6	3.6	4.0	3.9	3.9	3.9	3.3	4.2	4.2	4.1	3.9	3.5	28.0
30.0	3.0	3.4	3.3	3.3	3.3	3.3	3.7	3.6	3.6	3.6	3.0	3.9	3.9	3.8	3.6	3.2	30.0
32.0	2.8	3.1	3.1	3.1	3.1	3.1	3.4	3.3	3.3	3.3	2.7	3.7	3.6	3.5	3.4	3.0	32.0
34.0	2.6	2.9	2.9	2.9	2.9	2.8	3.1	3.1	3.1	3.1	2.5	3.4	3.4	3.3	3.1	2.7	34.0
36.0	2.4	2.7	2.7	2.6	2.7	2.6	2.9	2.9	2.9	2.9	2.3	3.2	3.1	3.1	2.8	2.5	36.0
38.0	2.2	2.5	2.5	2.5	2.5	2.4	2.7	2.7	2.7	2.7	2.1	3.0	2.9	2.9	2.5	2.3	38.0
40.0	2.1	2.3	2.3	2.3	2.3	2.3	2.6	2.5	2.5	2.5	1.9	2.8	2.8	2.7	2.4	2.1	40.0
42.0	2.0	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	1.8	2.6	2.6	2.5	2.2	2.0	42.0
44.0		2.1	2.1	2.1	2.1	2.1	2.3	2.2	2.2	2.2	1.6	2.5	2.4	2.4	2.0	1.8	44.0
46.0		2.0	2.0	2.0	2.0	2.0	2.2	2.1	2.1	2.1	1.5	2.3	2.3	2.3	1.8	1.7	46.0
48.0							2.1	2.0	2.0	2.0	1.4	1.9	2.2	2.2	1.7	1.6	48.0
50.0							2.0	2.0	2.0	2.0	1.4	1.7	2.1	2.1	1.6	1.5	50.0
54.0												1.2	1.7	2.0	1.4	1.4	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0	6.4	6.0															9.0
10.0	6.4	6.0	5.6	5.3	5.0	4.6	5.5	5.4									10.0
12.0	6.3	5.9	5.6	5.3	5.0	4.6	5.5	5.4	5.2	4.8	4.7	4.2	5.0	4.9	4.4	4.7	12.0
14.0	6.2	5.8	5.6	5.3	5.0	4.6	5.5	5.4	5.2	4.8	4.7	4.2	5.0	4.9	4.4	4.7	14.0
16.0	6.0	5.7	5.5	5.3	5.0	4.6	5.4	5.4	5.2	4.8	4.7	4.2	5.0	4.9	4.4	4.7	16.0
18.0	5.9	5.5	5.3	5.1	5.0	4.6	5.3	5.3	5.1	4.8	4.7	4.2	5.0	4.9	4.4	4.7	18.0
20.0	5.6	5.4	5.2	5.0	4.8	4.6	5.2	5.1	5.0	4.7	4.7	4.2	4.9	4.8	4.4	4.7	20.0
22.0	5.3	5.1	5.0	4.8	4.7	4.4	5.0	5.0	4.9	4.6	4.6	4.2	4.8	4.7	4.4	4.6	22.0
24.0	5.0	4.8	4.7	4.6	4.3	4.1	4.8	4.8	4.7	4.4	4.4	4.1	4.7	4.6	4.3	4.5	24.0
26.0	4.7	4.5	4.4	4.3	4.0	3.8	4.6	4.5	4.5	4.1	4.2	3.8	4.5	4.5	4.2	4.4	26.0
28.0	4.4	4.2	4.2	4.0	3.7	3.5	4.3	4.3	4.2	3.9	4.0	3.6	4.3	4.3	3.9	4.2	28.0
30.0	4.1	4.0	3.9	3.8	3.4	3.2	4.1	4.1	4.0	3.6	3.8	3.3	4.1	4.1	3.7	4.0	30.0
32.0	3.9	3.7	3.7	3.5	3.2	2.9	3.9	3.8	3.8	3.3	3.6	3.0	3.9	3.9	3.5	3.8	32.0
34.0	3.6	3.5	3.5	3.3	2.9	2.7	3.7	3.6	3.6	3.1	3.3	2.8	3.7	3.7	3.3	3.6	34.0
36.0	3.4	3.3	3.3	3.0	2.7	2.4	3.5	3.4	3.4	2.9	3.1	2.6	3.5	3.5	3.1	3.5	36.0
38.0	3.2	3.1	3.1	2.8	2.5	2.2	3.3	3.2	3.2	2.7	2.9	2.4	3.4	3.4	2.9	3.3	38.0
40.0	3.0	2.9	2.9	2.5	2.3	2.0	3.1	3.1	3.0	2.5	2.7	2.2	2.9	3.0	2.7	3.1	40.0
42.0	2.8	2.7	2.7	2.4	2.2	1.8	2.9	2.9	2.9	2.3	2.4	2.0	2.4	2.5	2.5	2.9	42.0
44.0	2.5	2.6	2.5	2.2	2.0	1.7	2.5	2.7	2.7	2.2	2.2	1.8	2.0	2.1	2.4	2.5	44.0
46.0	2.1	2.4	2.3	2.0	1.9	1.5	2.1	2.3	2.5	2.0	2.0	1.7	1.7	1.8	2.1	2.1	46.0
48.0	1.8	2.3	2.2	1.9	1.7	1.4	1.8	2.0	2.2	1.9	1.9	1.5	1.4	1.5	1.8	1.8	48.0
50.0	1.5	2.1	2.0	1.7	1.6	1.3	1.5	1.7	1.9	1.8	1.7	1.4	1.1	1.2	1.5	1.5	50.0
54.0	1.0	1.6	1.8	1.5	1.5	1.1		1.2	1.4	1.6	1.4	1.2					54.0
58.0		1.2	1.4	1.4	1.4					1.1	1.2	1.0					58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	4.3	4.0	3.7														12.0
	14.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0						14.0
	16.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6			16.0
	18.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		18.0
	20.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		20.0
	22.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		22.0
	24.0	4.3	4.0	3.7	4.3	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		24.0
	26.0	4.2	3.9	3.7	4.3	4.1	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		26.0
	28.0	4.0	3.6	3.6	4.2	4.0	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		28.0
	30.0	3.8	3.4	3.3	4.0	3.9	3.4	3.8	3.3	3.6	3.4	3.0	3.0	2.9	2.6	2.2		30.0
	32.0	3.6	3.2	3.1	3.8	3.8	3.2	3.6	3.1	3.6	3.4	3.0	3.0	2.9	2.6	2.2		32.0
	34.0	3.4	2.9	2.9	3.7	3.6	3.0	3.4	3.0	3.5	3.3	2.9	2.9	2.9	2.6	2.2		34.0
	36.0	3.2	2.7	2.7	3.4	3.5	2.8	3.3	2.8	3.1	3.2	2.8	2.7	2.8	2.6	2.2		36.0
	38.0	3.0	2.5	2.5	2.9	3.1	2.6	3.1	2.6	2.6	2.9	2.6	2.6	2.4	2.6	2.2		38.0
	40.0	2.8	2.3	2.3	2.5	2.7	2.5	2.9	2.4	2.1	2.5	2.5	2.4	1.9	2.3	1.8		40.0
	42.0	2.6	2.2	2.1	2.1	2.3	2.3	2.7	2.2	1.8	2.1	2.3	2.3	1.6	1.9	1.4		42.0
	44.0	2.4	2.0	2.0	1.7	1.9	2.1	2.4	2.1	1.4	1.7	2.1	2.1	1.2	1.6	1.1		44.0
	46.0	2.2	1.8	1.8	1.4	1.6	2.0	2.0	1.9	1.1	1.4	1.7	1.9		1.3			46.0
	48.0	2.0	1.7	1.6	1.1	1.3	1.7	1.7	1.8		1.1	1.5	1.6		1.0			48.0
	50.0	1.7	1.6	1.5			1.4	1.4	1.6			1.2	1.4					50.0
	54.0	1.2	1.3	1.2					1.2									54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	7.3																10.0
12.0	7.0	6.9	7.0	7.0	7.0	6.6	6.8	6.8	6.8	6.3							12.0
14.0	6.4	6.5	6.6	6.6	6.5	6.3	6.5	6.6	6.5	6.2	5.8	6.4	6.5	6.0	5.7	5.3	14.0
16.0	5.7	6.0	6.0	6.0	6.0	5.8	6.1	6.2	6.1	5.9	5.6	6.1	6.1	5.8	5.6	5.3	16.0
18.0	5.2	5.4	5.4	5.4	5.4	5.3	5.6	5.6	5.6	5.4	5.3	5.8	5.7	5.5	5.3	5.1	18.0
20.0	4.6	5.0	4.9	4.9	4.9	4.9	5.2	5.2	5.1	5.0	4.8	5.3	5.3	5.1	5.0	4.9	20.0
22.0	4.2	4.5	4.5	4.5	4.5	4.4	4.8	4.7	4.7	4.6	4.4	4.9	4.9	4.8	4.7	4.5	22.0
24.0	3.8	4.1	4.1	4.1	4.1	4.0	4.4	4.4	4.3	4.3	4.0	4.6	4.5	4.4	4.4	4.1	24.0
26.0	3.5	3.8	3.7	3.8	3.7	3.7	4.0	4.0	4.0	3.9	3.6	4.2	4.2	4.1	4.1	3.8	26.0
28.0	3.2	3.5	3.5	3.5	3.5	3.4	3.7	3.7	3.7	3.6	3.2	3.9	3.9	3.8	3.8	3.4	28.0
30.0	3.0	3.2	3.2	3.2	3.2	3.2	3.4	3.4	3.4	3.4	3.0	3.6	3.6	3.6	3.5	3.1	30.0
32.0	2.7	3.0	3.0	3.0	3.0	2.9	3.2	3.2	3.2	3.1	2.7	3.4	3.4	3.3	3.3	2.9	32.0
34.0	2.5	2.8	2.8	2.8	2.8	2.7	3.0	3.0	3.0	2.9	2.5	3.2	3.2	3.1	3.0	2.7	34.0
36.0	2.3	2.6	2.6	2.6	2.6	2.6	2.8	2.8	2.8	2.7	2.3	3.0	3.0	2.9	2.8	2.5	36.0
38.0	2.2	2.4	2.4	2.4	2.4	2.4	2.6	2.6	2.6	2.6	2.1	2.8	2.8	2.8	2.6	2.3	38.0
40.0	2.1	2.3	2.3	2.3	2.3	2.2	2.5	2.5	2.5	2.4	1.9	2.7	2.6	2.6	2.4	2.1	40.0
42.0	2.0	2.2	2.1	2.1	2.1	2.1	2.3	2.3	2.3	2.3	1.8	2.5	2.5	2.5	2.2	2.0	42.0
44.0		2.1	2.0	2.0	2.0	2.0	2.2	2.2	2.2	2.2	1.6	2.4	2.4	2.3	2.0	1.8	44.0
46.0		2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	1.5	2.3	2.2	2.2	1.9	1.7	46.0
48.0							2.0	2.0	2.0	2.0	1.4	2.1	2.1	2.1	1.7	1.6	48.0
50.0							2.0	2.0	2.0	2.0	1.4	1.8	2.1	2.0	1.6	1.5	50.0
54.0												1.2	1.8	1.9	1.4	1.4	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	6.2	5.8															14.0
16.0	6.0	5.7	5.5	5.3	5.0	4.6	5.4	5.4	5.2	4.8	4.7	4.2					16.0
18.0	5.7	5.5	5.3	5.2	5.0	4.6	5.3	5.3	5.2	4.8	4.7	4.2	5.0	4.9	4.4	4.7	18.0
20.0	5.4	5.2	5.1	4.9	4.8	4.6	5.1	5.1	5.0	4.7	4.7	4.2	4.9	4.9	4.4	4.7	20.0
22.0	5.0	4.9	4.8	4.7	4.6	4.4	4.9	4.8	4.8	4.6	4.5	4.2	4.8	4.7	4.4	4.6	22.0
24.0	4.7	4.5	4.5	4.4	4.2	4.1	4.6	4.6	4.5	4.3	4.3	4.1	4.6	4.5	4.3	4.5	24.0
26.0	4.4	4.2	4.2	4.1	3.9	3.8	4.3	4.3	4.3	4.0	4.1	3.9	4.3	4.3	4.1	4.2	26.0
28.0	4.1	4.0	3.9	3.9	3.6	3.5	4.1	4.1	4.0	3.8	3.9	3.6	4.1	4.1	3.9	4.0	28.0
30.0	3.8	3.7	3.7	3.6	3.3	3.2	3.8	3.8	3.8	3.5	3.7	3.3	3.9	3.9	3.6	3.8	30.0
32.0	3.6	3.5	3.4	3.4	3.1	2.9	3.6	3.6	3.6	3.2	3.5	3.1	3.7	3.7	3.4	3.6	32.0
34.0	3.4	3.3	3.2	3.2	2.8	2.7	3.4	3.4	3.4	3.0	3.3	2.8	3.5	3.5	3.1	3.4	34.0
36.0	3.2	3.1	3.0	3.0	2.6	2.5	3.2	3.2	3.2	2.8	3.1	2.6	3.3	3.3	2.9	3.3	36.0
38.0	3.0	2.9	2.9	2.8	2.4	2.2	3.1	3.0	3.0	2.6	2.9	2.4	3.1	3.1	2.7	3.1	38.0
40.0	2.8	2.7	2.7	2.6	2.3	2.1	2.9	2.9	2.9	2.4	2.7	2.2	3.0	3.0	2.6	2.9	40.0
42.0	2.7	2.6	2.6	2.4	2.1	1.9	2.7	2.7	2.7	2.3	2.5	2.0	2.8	2.8	2.4	2.8	42.0
44.0	2.5	2.5	2.4	2.2	2.0	1.7	2.6	2.6	2.6	2.1	2.3	1.9	2.4	2.5	2.3	2.7	44.0
46.0	2.4	2.3	2.3	2.0	1.8	1.6	2.4	2.5	2.4	2.0	2.1	1.7	2.0	2.1	2.1	2.4	46.0
48.0	2.0	2.2	2.2	1.9	1.7	1.4	2.0	2.2	2.3	1.9	1.9	1.6	1.6	1.7	2.0	2.0	48.0
50.0	1.7	2.1	2.0	1.8	1.6	1.3	1.7	1.9	2.1	1.7	1.7	1.4	1.3	1.4	1.7	1.7	50.0
54.0	1.1	1.7	1.8	1.5	1.4	1.1	1.2	1.4	1.5	1.5	1.4	1.2			1.2	1.2	54.0
58.0		1.3	1.4	1.4	1.3				1.0	1.2	1.2	1.0					58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	4.3	4.0	3.7	4.4	4.2	3.6											18.0
	20.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0					20.0
	22.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		22.0
	24.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		24.0
	26.0	4.1	3.9	3.7	4.2	4.1	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		26.0
	28.0	3.9	3.7	3.6	4.0	4.0	3.6	3.8	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		28.0
	30.0	3.7	3.4	3.3	3.9	3.8	3.4	3.7	3.3	3.7	3.4	3.0	3.0	2.9	2.6	2.2		30.0
	32.0	3.5	3.2	3.1	3.7	3.6	3.2	3.5	3.1	3.5	3.4	3.0	3.0	2.9	2.6	2.2		32.0
	34.0	3.3	2.9	2.9	3.5	3.5	3.0	3.3	2.9	3.4	3.3	2.9	2.9	2.9	2.6	2.2		34.0
	36.0	3.2	2.7	2.7	3.3	3.3	2.8	3.2	2.8	3.3	3.2	2.8	2.7	2.9	2.6	2.2		36.0
	38.0	3.0	2.5	2.5	3.2	3.2	2.6	3.0	2.6	3.0	3.0	2.6	2.6	2.8	2.6	2.2		38.0
	40.0	2.8	2.3	2.3	2.9	3.0	2.4	2.8	2.4	2.6	2.9	2.4	2.4	2.4	2.4	2.2		40.0
	42.0	2.6	2.2	2.1	2.5	2.7	2.3	2.7	2.2	2.2	2.5	2.3	2.3	2.0	2.3	1.9		42.0
	44.0	2.4	2.0	2.0	2.1	2.3	2.1	2.5	2.1	1.8	2.1	2.1	2.1	1.6	2.0	1.5		44.0
	46.0	2.2	1.8	1.8	1.7	1.9	2.0	2.3	1.9	1.5	1.8	2.0	2.0	1.3	1.6	1.2		46.0
	48.0	2.1	1.7	1.7	1.3	1.6	1.8	2.0	1.8	1.2	1.4	1.7	1.8		1.3			48.0
	50.0	1.9	1.6	1.5	1.0	1.2	1.6	1.6	1.6		1.2	1.5	1.6		1.1			50.0
	54.0	1.4	1.3	1.3			1.1	1.1	1.4				1.1					54.0
	58.0		1.1															58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	6.1		6.2														14.0
16.0	5.4	5.6	5.6	5.6	5.6	5.5	5.7	5.7	5.7	5.5		5.8	5.8				16.0
18.0	4.9	5.1	5.1	5.1	5.1	5.0	5.2	5.2	5.2	5.1	5.0	5.3	5.3	5.1	5.0	4.9	18.0
20.0	4.5	4.7	4.6	4.6	4.7	4.6	4.8	4.8	4.8	4.7	4.6	4.9	4.9	4.8	4.7	4.6	20.0
22.0	4.1	4.3	4.3	4.3	4.3	4.2	4.4	4.4	4.4	4.3	4.2	4.6	4.6	4.4	4.4	4.3	22.0
24.0	3.7	3.9	3.9	3.9	3.9	3.9	4.1	4.1	4.1	4.0	3.9	4.2	4.2	4.1	4.1	4.0	24.0
26.0	3.4	3.6	3.6	3.6	3.6	3.6	3.8	3.8	3.8	3.7	3.6	4.0	3.9	3.9	3.8	3.7	26.0
28.0	3.1	3.4	3.3	3.3	3.3	3.3	3.5	3.5	3.5	3.5	3.2	3.7	3.7	3.6	3.6	3.4	28.0
30.0	2.9	3.1	3.1	3.1	3.1	3.1	3.3	3.3	3.3	3.2	3.0	3.5	3.4	3.4	3.3	3.1	30.0
32.0	2.7	2.9	2.9	2.9	2.9	2.9	3.1	3.1	3.1	3.0	2.7	3.2	3.2	3.2	3.1	2.9	32.0
34.0	2.5	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.8	2.5	3.1	3.0	3.0	2.9	2.6	34.0
36.0	2.3	2.6	2.5	2.5	2.5	2.5	2.7	2.7	2.7	2.7	2.3	2.9	2.9	2.8	2.7	2.4	36.0
38.0	2.2	2.4	2.4	2.4	2.4	2.4	2.6	2.6	2.5	2.5	2.1	2.7	2.7	2.7	2.6	2.3	38.0
40.0	2.1	2.3	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	1.9	2.6	2.6	2.5	2.4	2.1	40.0
42.0		2.1	2.1	2.1	2.1	2.1	2.3	2.3	2.3	2.3	1.8	2.4	2.4	2.4	2.2	2.0	42.0
44.0		2.1	2.0	2.0	2.0	2.0	2.2	2.2	2.2	2.2	1.7	2.3	2.3	2.3	2.0	1.8	44.0
46.0		2.0					2.1	2.1	2.1	2.1	1.5	2.2	2.2	2.2	1.9	1.7	46.0
48.0							2.0	2.0	2.0	2.0	1.4	2.1	2.1	2.1	1.7	1.6	48.0
50.0							2.0					1.9	2.0	2.0	1.6	1.5	50.0
54.0												1.3					54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	5.3	5.2															18.0
20.0	5.0	4.8	4.8	4.7	4.6	4.5	4.8	4.8	4.7	4.6	4.5						20.0
22.0	4.7	4.5	4.5	4.4	4.3	4.2	4.5	4.5	4.5	4.3	4.3	4.1	4.5	4.5	4.3	4.4	22.0
24.0	4.3	4.2	4.2	4.1	4.1	4.0	4.3	4.3	4.2	4.1	4.1	3.9	4.3	4.2	4.1	4.2	24.0
26.0	4.1	4.0	3.9	3.9	3.8	3.7	4.0	4.0	4.0	3.9	3.9	3.8	4.0	4.0	3.9	4.0	26.0
28.0	3.8	3.7	3.7	3.6	3.5	3.5	3.8	3.8	3.8	3.6	3.7	3.5	3.8	3.8	3.7	3.8	28.0
30.0	3.6	3.5	3.5	3.4	3.3	3.2	3.6	3.6	3.5	3.4	3.5	3.3	3.6	3.6	3.5	3.6	30.0
32.0	3.4	3.3	3.3	3.2	3.0	3.0	3.4	3.4	3.4	3.1	3.3	3.1	3.5	3.4	3.2	3.4	32.0
34.0	3.2	3.1	3.1	3.1	2.8	2.7	3.2	3.2	3.2	2.9	3.1	2.8	3.3	3.3	3.0	3.2	34.0
36.0	3.0	2.9	2.9	2.9	2.6	2.5	3.0	3.0	3.0	2.7	3.0	2.6	3.1	3.1	2.8	3.1	36.0
38.0	2.8	2.8	2.8	2.7	2.4	2.3	2.9	2.9	2.9	2.5	2.8	2.4	3.0	3.0	2.7	2.9	38.0
40.0	2.7	2.6	2.6	2.5	2.2	2.1	2.8	2.7	2.7	2.4	2.6	2.2	2.8	2.8	2.5	2.8	40.0
42.0	2.6	2.5	2.5	2.4	2.1	1.9	2.6	2.6	2.6	2.2	2.5	2.0	2.7	2.7	2.3	2.7	42.0
44.0	2.4	2.4	2.4	2.2	2.0	1.7	2.5	2.5	2.5	2.1	2.3	1.9	2.6	2.6	2.2	2.5	44.0
46.0	2.3	2.3	2.3	2.0	1.8	1.6	2.4	2.4	2.4	2.0	2.1	1.7	2.2	2.3	2.1	2.4	46.0
48.0	2.2	2.2	2.2	1.9	1.7	1.4	2.2	2.3	2.3	1.8	1.9	1.6	1.9	2.0	2.0	2.3	48.0
50.0	1.9	2.1	2.1	1.8	1.6	1.3	1.9	2.1	2.2	1.7	1.8	1.5	1.5	1.6	1.9	1.9	50.0
54.0	1.3	1.8	1.8	1.5	1.4	1.1	1.3	1.5	1.6	1.5	1.5	1.2		1.0	1.3	1.3	54.0
58.0									1.1	1.3	1.2	1.0					58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	4.3	4.0		4.3													22.0
	24.0	4.1	3.9	3.7	4.2	4.1	3.6	3.9	3.4	3.7	3.4							24.0
	26.0	3.9	3.8	3.7	4.0	3.9	3.6	3.8	3.4	3.7	3.4	3.0	3.0	2.9	2.6			26.0
	28.0	3.7	3.6	3.5	3.8	3.7	3.5	3.6	3.4	3.6	3.4	3.0	3.0	2.9	2.6	2.2		28.0
	30.0	3.5	3.4	3.3	3.6	3.6	3.4	3.5	3.3	3.5	3.4	3.0	3.0	2.9	2.6	2.2		30.0
	32.0	3.3	3.2	3.1	3.4	3.4	3.2	3.3	3.1	3.4	3.3	3.0	3.0	2.9	2.6	2.2		32.0
	34.0	3.2	2.9	2.9	3.3	3.3	3.0	3.2	2.9	3.2	3.1	2.9	2.9	2.9	2.6	2.2		34.0
	36.0	3.0	2.7	2.7	3.1	3.1	2.8	3.0	2.7	3.1	3.0	2.7	2.7	2.9	2.6	2.2		36.0
	38.0	2.9	2.5	2.5	3.0	3.0	2.6	2.9	2.6	3.0	2.9	2.6	2.6	2.9	2.5	2.2		38.0
	40.0	2.7	2.3	2.3	2.9	2.8	2.4	2.8	2.4	2.8	2.8	2.4	2.4	2.8	2.4	2.2		40.0
	42.0	2.6	2.2	2.1	2.7	2.7	2.3	2.6	2.2	2.6	2.7	2.3	2.3	2.4	2.3	2.2		42.0
	44.0	2.4	2.0	2.0	2.4	2.6	2.1	2.5	2.1	2.2	2.4	2.1	2.1	2.0	2.1	1.9		44.0
	46.0	2.3	1.9	1.8	2.0	2.2	2.0	2.4	1.9	1.8	2.1	2.0	2.0	1.6	2.0	1.5		46.0
	48.0	2.1	1.7	1.7	1.6	1.8	1.8	2.2	1.8	1.5	1.7	1.9	1.8	1.3	1.7	1.2		48.0
	50.0	1.9	1.6	1.6	1.3	1.5	1.7	1.9	1.7	1.2	1.4	1.7	1.7	1.0	1.4			50.0
	54.0	1.6	1.3	1.3			1.3	1.3	1.4			1.1	1.3					54.0
	58.0	1.0	1.2	1.0					1.1									58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	4.7	4.8	4.8	4.8	4.8	4.7	4.9	4.9	4.9								18.0
20.0	4.3	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.4	4.4	4.6	4.6	4.5			20.0
22.0	3.9	4.1	4.1	4.1	4.1	4.0	4.2	4.2	4.2	4.1	4.0	4.3	4.3	4.2	4.1	4.1	22.0
24.0	3.6	3.8	3.8	3.8	3.8	3.7	3.9	3.9	3.9	3.8	3.8	4.0	4.0	3.9	3.9	3.8	24.0
26.0	3.3	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	3.7	3.7	3.7	3.6	3.6	26.0
28.0	3.1	3.3	3.2	3.2	3.2	3.2	3.4	3.4	3.4	3.3	3.2	3.5	3.5	3.4	3.4	3.3	28.0
30.0	2.9	3.0	3.0	3.0	3.0	3.0	3.2	3.2	3.2	3.1	3.0	3.3	3.3	3.2	3.2	3.1	30.0
32.0	2.7	2.8	2.8	2.8	2.8	2.8	3.0	3.0	3.0	2.9	2.7	3.1	3.1	3.0	3.0	2.8	32.0
34.0	2.5	2.7	2.7	2.6	2.7	2.6	2.8	2.8	2.8	2.8	2.5	2.9	2.9	2.9	2.8	2.6	34.0
36.0	2.3	2.5	2.5	2.5	2.5	2.5	2.7	2.6	2.6	2.6	2.3	2.8	2.8	2.7	2.7	2.4	36.0
38.0	2.2	2.4	2.4	2.4	2.4	2.3	2.5	2.5	2.5	2.5	2.1	2.6	2.6	2.6	2.5	2.3	38.0
40.0	2.1	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.3	2.0	2.5	2.5	2.5	2.4	2.1	40.0
42.0		2.1	2.1	2.1	2.1	2.1	2.3	2.3	2.3	2.2	1.8	2.4	2.4	2.3	2.2	2.0	42.0
44.0		2.1					2.2	2.2	2.2	2.1	1.7	2.3	2.3	2.2	2.1	1.8	44.0
46.0							2.1	2.1	2.1	2.1	1.6	2.2	2.2	2.2	1.9	1.7	46.0
48.0												2.1	2.1	2.1	1.7	1.6	48.0
50.0												2.0	2.0	2.0	1.6	1.5	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0	4.6																20.0
22.0	4.3	4.2	4.2	4.1	4.1		4.2	4.2									22.0
24.0	4.1	4.0	3.9	3.9	3.8	3.8	4.0	4.0	3.9	3.9	3.9	3.6	4.0	3.9	3.6	3.8	24.0
26.0	3.8	3.7	3.7	3.7	3.6	3.6	3.8	3.8	3.7	3.7	3.7	3.5	3.8	3.8	3.6	3.7	26.0
28.0	3.6	3.5	3.5	3.5	3.4	3.4	3.6	3.6	3.5	3.5	3.5	3.4	3.6	3.6	3.5	3.5	28.0
30.0	3.4	3.3	3.3	3.3	3.2	3.1	3.4	3.4	3.3	3.3	3.3	3.2	3.4	3.4	3.3	3.4	30.0
32.0	3.2	3.1	3.1	3.1	3.0	2.9	3.2	3.2	3.2	3.1	3.1	3.0	3.2	3.2	3.1	3.2	32.0
34.0	3.0	3.0	3.0	2.9	2.8	2.7	3.1	3.0	3.0	2.9	3.0	2.8	3.1	3.1	2.9	3.1	34.0
36.0	2.9	2.8	2.8	2.8	2.6	2.5	2.9	2.9	2.9	2.7	2.8	2.6	3.0	3.0	2.8	2.9	36.0
38.0	2.7	2.7	2.7	2.6	2.4	2.3	2.8	2.8	2.7	2.5	2.7	2.4	2.8	2.8	2.6	2.8	38.0
40.0	2.6	2.6	2.5	2.5	2.2	2.1	2.6	2.6	2.6	2.3	2.6	2.2	2.7	2.7	2.4	2.7	40.0
42.0	2.5	2.4	2.4	2.3	2.1	1.9	2.5	2.5	2.5	2.2	2.4	2.1	2.6	2.6	2.3	2.6	42.0
44.0	2.4	2.3	2.3	2.2	2.0	1.8	2.4	2.4	2.4	2.1	2.3	1.9	2.5	2.5	2.2	2.5	44.0
46.0	2.3	2.2	2.2	2.0	1.8	1.6	2.3	2.3	2.3	1.9	2.1	1.8	2.4	2.4	2.1	2.4	46.0
48.0	2.2	2.2	2.2	1.9	1.7	1.5	2.2	2.2	2.2	1.8	2.0	1.6	2.1	2.2	2.0	2.3	48.0
50.0	2.0	2.1	2.1	1.8	1.6	1.3	2.1	2.2	2.2	1.7	1.8	1.5	1.7	1.8	1.8	2.1	50.0
54.0	1.3	1.9	1.8	1.6	1.5	1.1	1.4	1.6	1.7	1.6	1.5	1.2	1.1	1.2	1.5	1.5	54.0
58.0								1.0	1.2	1.4	1.2	1.0					58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
	24.0	3.6	3.4															24.0
	26.0	3.5	3.3	3.1	3.5	3.3	3.0	3.2	2.9	3.0								26.0
	28.0	3.5	3.3	3.1	3.4	3.3	3.0	3.1	2.8	2.9	2.7	2.5	2.5	2.4	2.2			28.0
	30.0	3.3	3.2	3.0	3.3	3.2	2.9	3.1	2.8	2.9	2.7	2.5	2.5	2.4	2.2	1.9		30.0
	32.0	3.2	3.1	3.0	3.3	3.1	2.9	3.0	2.7	2.8	2.6	2.5	2.4	2.3	2.1	1.9		32.0
	34.0	3.0	2.9	2.9	3.1	3.1	2.8	3.0	2.7	2.8	2.6	2.4	2.4	2.3	2.1	1.8		34.0
	36.0	2.9	2.7	2.7	3.0	3.0	2.8	2.9	2.7	2.7	2.5	2.4	2.4	2.3	2.1	1.8		36.0
	38.0	2.8	2.5	2.5	2.9	2.8	2.6	2.8	2.5	2.6	2.5	2.3	2.3	2.2	2.0	1.8		38.0
	40.0	2.6	2.3	2.3	2.7	2.7	2.4	2.7	2.4	2.6	2.5	2.3	2.3	2.2	2.0	1.8		40.0
	42.0	2.5	2.2	2.1	2.6	2.6	2.3	2.6	2.2	2.5	2.4	2.3	2.3	2.1	2.0	1.7		42.0
	44.0	2.4	2.0	2.0	2.5	2.5	2.1	2.5	2.1	2.5	2.4	2.1	2.1	2.1	2.0	1.7		44.0
	46.0	2.2	1.9	1.8	2.2	2.4	2.0	2.3	1.9	2.1	2.3	2.0	2.0	2.0	1.9	1.7		46.0
	48.0	2.1	1.7	1.7	1.9	2.0	1.8	2.2	1.8	1.8	2.0	1.9	1.8	1.6	1.9	1.5		48.0
	50.0	2.0	1.6	1.6	1.5	1.7	1.7	2.1	1.7	1.4	1.7	1.7	1.7	1.3	1.6	1.2		50.0
	54.0	1.7	1.4	1.3		1.0	1.4	1.4	1.4		1.0	1.3	1.5		1.1			54.0
	58.0	1.1	1.2	1.0					1.2									58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0	4.2	4.2	4.3	4.2	4.2	4.2											20.0
	22.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	3.9	3.9	4.0	4.0	4.0			22.0
m	24.0	3.5	3.7	3.6	3.7	3.6	3.6	3.7	3.7	3.7	3.7	3.6	3.8	3.8	3.7	3.7	3.6	24.0
	26.0	3.3	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.4	3.4	3.6	3.6	3.5	3.5	3.4	26.0
	28.0	3.0	3.2	3.2	3.2	3.2	3.1	3.3	3.3	3.3	3.2	3.2	3.4	3.4	3.3	3.3	3.2	28.0
	30.0	2.8	3.0	3.0	3.0	3.0	2.9	3.1	3.1	3.1	3.0	3.0	3.2	3.2	3.1	3.1	3.0	30.0
	32.0	2.6	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.7	3.0	3.0	3.0	2.9	2.8	32.0
	34.0	2.5	2.6	2.6	2.6	2.6	2.6	2.8	2.8	2.7	2.7	2.5	2.9	2.9	2.8	2.8	2.6	34.0
	36.0	2.3	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.3	2.7	2.7	2.7	2.7	2.4	36.0
	38.0		2.4	2.4	2.4	2.4	2.3	2.5	2.5	2.5	2.4	2.1	2.6	2.6	2.5	2.5	2.3	38.0
	40.0		2.3	2.3	2.3	2.3	2.2	2.4	2.4	2.4	2.3	2.0	2.5	2.5	2.4	2.4	2.1	40.0
	42.0							2.3	2.3	2.3	2.3	1.8	2.4	2.4	2.3	2.2	2.0	42.0
	44.0							2.2	2.2	2.2	2.2	1.7	2.3	2.3	2.3	2.1	1.8	44.0
	46.0												2.2	2.2	2.2	1.9	1.7	46.0
	48.0												2.1	2.1	2.1	1.8	1.6	48.0
	50.0																	50.0
	54.0																	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
%	3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
	5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
m	24.0	3.8	3.8	3.7	3.7	3.6		3.8										24.0
	26.0	3.6	3.6	3.5	3.5	3.5	3.3	3.6	3.6	3.5	3.3	3.3	3.0	3.4	3.3	3.1	3.2	26.0
	28.0	3.4	3.4	3.3	3.3	3.3	3.2	3.4	3.4	3.4	3.3	3.2	3.0	3.3	3.2	3.0	3.1	28.0
	30.0	3.3	3.2	3.2	3.1	3.1	3.1	3.2	3.2	3.2	3.1	3.1	2.9	3.2	3.1	2.9	3.1	30.0
	32.0	3.1	3.0	3.0	3.0	2.9	2.9	3.1	3.1	3.1	3.0	3.0	2.8	3.1	3.0	2.8	3.0	32.0
	34.0	2.9	2.9	2.9	2.8	2.7	2.7	2.9	2.9	2.9	2.8	2.9	2.7	3.0	2.9	2.8	2.9	34.0
	36.0	2.8	2.7	2.7	2.7	2.6	2.5	2.8	2.8	2.8	2.7	2.8	2.6	2.8	2.8	2.7	2.8	36.0
	38.0	2.7	2.6	2.6	2.6	2.4	2.3	2.7	2.7	2.7	2.5	2.6	2.4	2.7	2.7	2.6	2.7	38.0
	40.0	2.6	2.5	2.5	2.5	2.2	2.2	2.6	2.6	2.6	2.3	2.5	2.3	2.6	2.6	2.4	2.6	40.0
	42.0	2.5	2.4	2.4	2.4	2.1	2.0	2.5	2.5	2.5	2.2	2.4	2.1	2.5	2.5	2.3	2.5	42.0
	44.0	2.4	2.3	2.3	2.2	2.0	1.8	2.4	2.4	2.4	2.1	2.3	1.9	2.4	2.4	2.2	2.4	44.0
	46.0	2.3	2.3	2.2	2.1	1.8	1.6	2.3	2.3	2.3	2.0	2.2	1.8	2.4	2.4	2.1	2.3	46.0
	48.0	2.2	2.2	2.1	2.0	1.7	1.5	2.2	2.2	2.2	1.8	2.0	1.6	2.2	2.3	1.9	2.3	48.0
	50.0	2.1	2.1	2.1	1.8	1.6	1.4	2.2	2.2	2.1	1.8	1.8	1.5	1.9	1.9	1.9	2.2	50.0
	54.0							1.5	1.7	1.8	1.6	1.5	1.3	1.2	1.3	1.6	1.5	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
	2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
%	3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
	4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
	5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
	LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	31.6 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
	24.0																	24.0
	26.0	3.0	2.9															26.0
	28.0	3.0	2.8	2.6	2.9	2.8	2.5	2.6	2.4	2.5								28.0
	30.0	2.9	2.7	2.6	2.8	2.7	2.5	2.6	2.4	2.4	2.3	2.1	2.1	2.0	1.8			30.0
	32.0	2.8	2.7	2.5	2.7	2.6	2.4	2.5	2.3	2.4	2.2	2.1	2.1	1.9	1.8	1.5		32.0
	34.0	2.7	2.6	2.5	2.7	2.6	2.4	2.5	2.3	2.3	2.2	2.0	2.0	1.9	1.7	1.5		34.0
	36.0	2.7	2.5	2.4	2.6	2.5	2.3	2.4	2.2	2.2	2.1	2.0	2.0	1.9	1.7	1.5		36.0
	38.0	2.6	2.5	2.4	2.5	2.4	2.3	2.4	2.2	2.2	2.1	1.9	1.9	1.8	1.7	1.4		38.0
	40.0	2.5	2.3	2.3	2.5	2.4	2.2	2.3	2.1	2.1	2.0	1.9	1.9	1.8	1.6	1.4		40.0
	42.0	2.4	2.2	2.2	2.4	2.3	2.1	2.2	2.1	2.1	2.0	1.9	1.9	1.7	1.6	1.4		42.0
	44.0	2.4	2.0	2.0	2.3	2.2	2.1	2.2	2.0	2.0	1.9	1.8	1.8	1.7	1.6	1.3		44.0
	46.0	2.2	1.9	1.9	2.2	2.2	2.0	2.1	1.9	2.0	1.9	1.8	1.8	1.7	1.5	1.3		46.0
	48.0	2.1	1.7	1.7	2.0	2.1	1.9	2.1	1.8	1.9	1.8	1.7	1.8	1.6	1.5	1.3		48.0
	50.0	2.0	1.6	1.6	1.7	1.9	1.7	2.0	1.7	1.6	1.8	1.7	1.7	1.6	1.5	1.3		50.0
	54.0	1.7	1.4	1.3		1.2	1.5	1.5	1.4		1.2	1.4	1.5		1.2			54.0
	58.0	1.2	1.2	1.0					1.2				1.0					58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0	7.7	7.4	7.5	7.5	7.5												6.0
	7.0	7.6	7.3	7.5	7.4	7.4	6.9	7.1	7.2	7.1								7.0
	8.0	7.5	7.2	7.4	7.3	7.3	6.8	7.1	7.2	7.1	6.5	5.9	6.8	6.8	6.2			8.0
	9.0	7.4	7.2	7.3	7.3	7.2	6.8	7.0	7.1	7.0	6.5	5.9	6.8	6.8	6.2	5.7	5.3	9.0
	10.0	7.3	7.1	7.2	7.2	7.1	6.7	6.9	7.0	6.9	6.4	5.9	6.7	6.7	6.2	5.7	5.3	10.0
	12.0	7.0	6.9	7.0	7.0	6.9	6.5	6.8	6.8	6.8	6.3	5.9	6.6	6.6	6.1	5.7	5.3	12.0
	14.0	6.5	6.7	6.8	6.8	6.7	6.4	6.6	6.6	6.6	6.1	5.7	6.4	6.4	5.9	5.7	5.3	14.0
	16.0	5.9	6.2	6.2	6.2	6.2	6.0	6.4	6.4	6.4	6.0	5.6	6.2	6.3	5.8	5.5	5.3	16.0
	18.0	5.3	5.7	5.7	5.7	5.7	5.5	5.9	5.9	5.9	5.6	5.4	6.0	6.0	5.6	5.4	5.1	18.0
	20.0	4.8	5.2	5.2	5.2	5.2	5.1	5.5	5.5	5.4	5.2	4.9	5.6	5.6	5.3	5.2	5.0	20.0
	22.0	4.4	4.8	4.7	4.7	4.7	4.6	5.0	5.0	5.0	4.9	4.4	5.2	5.2	5.0	4.9	4.6	22.0
	24.0	4.0	4.4	4.3	4.3	4.3	4.3	4.6	4.6	4.6	4.5	4.0	4.9	4.8	4.7	4.6	4.2	24.0
	26.0	3.6	4.0	4.0	4.0	4.0	3.9	4.3	4.3	4.3	4.2	3.6	4.5	4.5	4.4	4.2	3.8	26.0
	28.0	3.3	3.7	3.6	3.6	3.6	3.6	4.0	3.9	3.9	3.9	3.3	4.2	4.2	4.1	3.9	3.5	28.0
	30.0	3.0	3.4	3.3	3.3	3.3	3.3	3.7	3.6	3.6	3.6	3.0	3.9	3.9	3.8	3.6	3.2	30.0
	32.0	2.8	3.1	3.1	3.1	3.1	3.1	3.4	3.3	3.3	3.3	2.7	3.7	3.6	3.5	3.4	3.0	32.0
	34.0	2.6	2.9	2.9	2.9	2.9	2.8	3.1	3.1	3.1	3.1	2.5	3.4	3.4	3.3	3.1	2.7	34.0
	36.0	2.4	2.7	2.7	2.6	2.7	2.6	2.9	2.9	2.9	2.9	2.3	3.2	3.1	3.1	2.8	2.5	36.0
	38.0	2.2	2.5	2.5	2.5	2.5	2.4	2.7	2.7	2.7	2.7	2.1	3.0	2.9	2.9	2.5	2.3	38.0
	40.0	2.1	2.3	2.3	2.3	2.3	2.3	2.6	2.5	2.5	2.5	1.9	2.7	2.8	2.7	2.4	2.1	40.0
	42.0	2.0	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	1.8	2.3	2.6	2.5	2.2	2.0	42.0
	44.0		2.1	2.1	2.1	2.1	2.1	2.3	2.2	2.2	2.2	1.6	2.0	2.4	2.4	2.0	1.8	44.0
	46.0		2.0	2.0	2.0	2.0	2.0	1.9	2.1	2.1	2.1	1.5	1.6	2.2	2.3	1.8	1.7	46.0
	48.0							1.7	2.0	2.0	2.0	1.4	1.4	1.9	2.2	1.7	1.6	48.0
	50.0							1.4	1.9	2.0	2.0	1.4	1.1	1.6	2.0	1.6	1.5	50.0
	54.0													1.2	1.6	1.4	1.4	54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
%	1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
	2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
	3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
	4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
	5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
	LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

	m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°
m	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0	6.4	6.0															9.0
	10.0	6.4	6.0	5.6	5.3	5.0	4.6	5.5	5.4									10.0
	12.0	6.3	5.9	5.6	5.3	5.0	4.6	5.5	5.4	5.2	4.8	4.7	4.2	5.0	4.9	4.4	4.7	12.0
	14.0	6.2	5.8	5.6	5.3	5.0	4.6	5.5	5.4	5.2	4.8	4.7	4.2	5.0	4.9	4.4	4.7	14.0
	16.0	6.0	5.7	5.5	5.3	5.0	4.6	5.4	5.4	5.2	4.8	4.7	4.2	5.0	4.9	4.4	4.7	16.0
	18.0	5.9	5.5	5.3	5.1	5.0	4.6	5.3	5.3	5.1	4.8	4.7	4.2	5.0	4.9	4.4	4.7	18.0
	20.0	5.6	5.4	5.2	5.0	4.8	4.6	5.2	5.1	5.0	4.7	4.7	4.2	4.9	4.8	4.4	4.7	20.0
	22.0	5.3	5.1	5.0	4.8	4.7	4.4	5.0	5.0	4.9	4.6	4.6	4.2	4.8	4.7	4.4	4.6	22.0
	24.0	5.0	4.8	4.7	4.6	4.3	4.1	4.8	4.8	4.7	4.4	4.4	4.1	4.7	4.6	4.3	4.5	24.0
	26.0	4.7	4.5	4.4	4.3	4.0	3.8	4.6	4.5	4.5	4.1	4.2	3.8	4.5	4.5	4.2	4.4	26.0
	28.0	4.4	4.2	4.2	4.0	3.7	3.5	4.3	4.3	4.2	3.9	4.0	3.6	4.3	4.3	3.9	4.2	28.0
	30.0	4.1	4.0	3.9	3.8	3.4	3.2	4.1	4.1	4.0	3.6	3.8	3.3	4.1	4.1	3.7	4.0	30.0
	32.0	3.9	3.7	3.7	3.5	3.2	2.9	3.9	3.8	3.8	3.3	3.6	3.0	3.9	3.9	3.5	3.8	32.0
	34.0	3.6	3.5	3.5	3.3	2.9	2.7	3.7	3.6	3.6	3.1	3.3	2.8	3.5	3.6	3.3	3.6	34.0
	36.0	3.4	3.3	3.3	3.0	2.7	2.4	3.5	3.4	3.4	2.9	3.1	2.6	3.0	3.1	3.1	3.5	36.0
	38.0	3.1	3.1	3.1	2.8	2.5	2.2	3.1	3.2	3.2	2.7	2.9	2.4	2.5	2.6	2.9	3.0	38.0
	40.0	2.6	2.9	2.9	2.5	2.3	2.0	2.6	2.8	3.0	2.5	2.7	2.2	2.1	2.2	2.6	2.6	40.0
	42.0	2.2	2.7	2.7	2.4	2.2	1.8	2.2	2.4	2.6	2.3	2.4	2.0	1.8	1.9	2.2	2.2	42.0
	44.0	1.8	2.5	2.5	2.2	2.0	1.7	1.8	2.1	2.2	2.2	2.2	1.8	1.4	1.5	1.8	1.8	44.0
	46.0	1.5	2.1	2.3	2.0	1.9	1.5	1.5	1.7	1.9	2.0	2.0	1.7	1.1	1.2	1.5	1.5	46.0
	48.0	1.2	1.8	2.0	1.9	1.7	1.4	1.2	1.4	1.6	1.8	1.8	1.5			1.2	1.2	48.0
	50.0		1.6	1.7	1.7	1.6	1.3		1.2	1.3	1.5	1.6	1.4					50.0
	54.0		1.1	1.3	1.4	1.5	1.1				1.1	1.1	1.2					54.0
	58.0				1.0	1.1												58.0
	62.0																	62.0
	66.0																	66.0
%	1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
	2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
	3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
	4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
	5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
	LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0	4.3	4.0	3.7														12.0
	14.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0						14.0
	16.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6			16.0
	18.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		18.0
	20.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		20.0
	22.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		22.0
	24.0	4.3	4.0	3.7	4.3	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		24.0
	26.0	4.2	3.9	3.7	4.3	4.1	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		26.0
	28.0	4.0	3.6	3.6	4.2	4.0	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		28.0
	30.0	3.8	3.4	3.3	4.0	3.9	3.4	3.8	3.3	3.6	3.4	3.0	3.0	2.9	2.6	2.2		30.0
	32.0	3.6	3.2	3.1	3.6	3.8	3.2	3.6	3.1	3.2	3.4	3.0	3.0	2.9	2.6	2.2		32.0
	34.0	3.4	2.9	2.9	3.0	3.2	3.0	3.4	3.0	2.7	3.0	2.9	2.9	2.4	2.6	2.2		34.0
	36.0	3.2	2.7	2.7	2.5	2.7	2.8	3.2	2.8	2.2	2.5	2.8	2.7	1.9	2.3	1.8		36.0
	38.0	3.0	2.5	2.5	2.1	2.3	2.6	2.8	2.6	1.7	2.1	2.4	2.6	1.5	1.9	1.4		38.0
	40.0	2.8	2.3	2.3	1.7	1.9	2.3	2.4	2.4	1.4	1.7	2.0	2.2	1.1	1.5	1.0		40.0
	42.0	2.5	2.2	2.1	1.3	1.5	2.0	2.0	2.2	1.0	1.3	1.6	1.8		1.2			42.0
	44.0	2.1	2.0	2.0	1.0	1.2	1.7	1.7	2.0		1.0	1.3	1.5					44.0
	46.0	1.8	1.8	1.8			1.4	1.4	1.7			1.1	1.3					46.0
	48.0	1.5	1.7	1.6			1.1	1.1	1.4									48.0
	50.0	1.2	1.4	1.5					1.2									50.0
	54.0			1.0														54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0	7.3																10.0
12.0	7.0	6.9	7.0	7.0	7.0	6.6	6.8	6.8	6.8	6.3							12.0
14.0	6.4	6.5	6.6	6.6	6.5	6.3	6.5	6.6	6.5	6.2	5.8	6.4	6.5	6.0	5.7	5.3	14.0
16.0	5.7	6.0	6.0	6.0	6.0	5.8	6.1	6.2	6.1	5.9	5.6	6.1	6.1	5.8	5.6	5.3	16.0
18.0	5.2	5.4	5.4	5.4	5.4	5.3	5.6	5.6	5.6	5.4	5.3	5.8	5.7	5.5	5.3	5.1	18.0
20.0	4.6	5.0	4.9	4.9	4.9	4.9	5.2	5.2	5.1	5.0	4.8	5.3	5.3	5.1	5.0	4.9	20.0
22.0	4.2	4.5	4.5	4.5	4.5	4.4	4.8	4.7	4.7	4.6	4.4	4.9	4.9	4.8	4.7	4.5	22.0
24.0	3.8	4.1	4.1	4.1	4.1	4.0	4.4	4.4	4.3	4.3	4.0	4.6	4.5	4.4	4.4	4.1	24.0
26.0	3.5	3.8	3.7	3.8	3.7	3.7	4.0	4.0	4.0	3.9	3.6	4.2	4.2	4.1	4.1	3.8	26.0
28.0	3.2	3.5	3.5	3.5	3.5	3.4	3.7	3.7	3.7	3.6	3.2	3.9	3.9	3.8	3.8	3.4	28.0
30.0	3.0	3.2	3.2	3.2	3.2	3.2	3.4	3.4	3.4	3.4	3.0	3.6	3.6	3.6	3.5	3.1	30.0
32.0	2.7	3.0	3.0	3.0	3.0	2.9	3.2	3.2	3.2	3.1	2.7	3.4	3.4	3.3	3.3	2.9	32.0
34.0	2.5	2.8	2.8	2.8	2.8	2.7	3.0	3.0	3.0	2.9	2.5	3.2	3.2	3.1	3.0	2.7	34.0
36.0	2.3	2.6	2.6	2.6	2.6	2.6	2.8	2.8	2.8	2.7	2.3	3.0	3.0	2.9	2.8	2.5	36.0
38.0	2.2	2.4	2.4	2.4	2.4	2.4	2.6	2.6	2.6	2.6	2.1	2.8	2.8	2.8	2.6	2.3	38.0
40.0	2.1	2.3	2.3	2.3	2.3	2.2	2.5	2.5	2.5	2.4	1.9	2.7	2.6	2.6	2.4	2.1	40.0
42.0	2.0	2.2	2.1	2.1	2.1	2.1	2.3	2.3	2.3	2.3	1.8	2.5	2.5	2.5	2.2	2.0	42.0
44.0		2.1	2.0	2.0	2.0	2.0	2.2	2.2	2.2	2.2	1.6	2.2	2.4	2.3	2.0	1.8	44.0
46.0		2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	1.5	1.9	2.2	2.2	1.9	1.7	46.0
48.0							1.8	2.0	2.0	2.0	1.4	1.5	2.1	2.1	1.7	1.6	48.0
50.0							1.5	1.9	2.0	2.0	1.4	1.2	1.8	2.0	1.6	1.5	50.0
54.0													1.3	1.7	1.4	1.4	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	6.2	5.8															14.0
16.0	6.0	5.7	5.5	5.3	5.0	4.6	5.4	5.4	5.2	4.8	4.7	4.2					16.0
18.0	5.7	5.5	5.3	5.2	5.0	4.6	5.3	5.3	5.2	4.8	4.7	4.2	5.0	4.9	4.4	4.7	18.0
20.0	5.4	5.2	5.1	4.9	4.8	4.6	5.1	5.1	5.0	4.7	4.7	4.2	4.9	4.9	4.4	4.7	20.0
22.0	5.0	4.9	4.8	4.7	4.6	4.4	4.9	4.8	4.8	4.6	4.5	4.2	4.8	4.7	4.4	4.6	22.0
24.0	4.7	4.5	4.5	4.4	4.2	4.1	4.6	4.6	4.5	4.3	4.3	4.1	4.6	4.5	4.3	4.5	24.0
26.0	4.4	4.2	4.2	4.1	3.9	3.8	4.3	4.3	4.3	4.0	4.1	3.9	4.3	4.3	4.1	4.2	26.0
28.0	4.1	4.0	3.9	3.9	3.6	3.5	4.1	4.1	4.0	3.8	3.9	3.6	4.1	4.1	3.9	4.0	28.0
30.0	3.8	3.7	3.7	3.6	3.3	3.2	3.8	3.8	3.8	3.5	3.7	3.3	3.9	3.9	3.6	3.8	30.0
32.0	3.6	3.5	3.4	3.4	3.1	2.9	3.6	3.6	3.6	3.2	3.5	3.1	3.7	3.7	3.4	3.6	32.0
34.0	3.4	3.3	3.2	3.2	2.8	2.7	3.4	3.4	3.4	3.0	3.3	2.8	3.5	3.5	3.1	3.4	34.0
36.0	3.2	3.1	3.0	3.0	2.6	2.5	3.2	3.2	3.2	2.8	3.1	2.6	3.3	3.3	2.9	3.3	36.0
38.0	3.0	2.9	2.9	2.8	2.4	2.2	3.1	3.0	3.0	2.6	2.9	2.4	3.0	3.0	2.7	3.1	38.0
40.0	2.8	2.7	2.7	2.6	2.3	2.1	2.9	2.9	2.9	2.4	2.7	2.2	2.5	2.6	2.6	2.9	40.0
42.0	2.5	2.6	2.6	2.4	2.1	1.9	2.5	2.7	2.7	2.3	2.5	2.0	2.1	2.2	2.4	2.5	42.0
44.0	2.1	2.5	2.4	2.2	2.0	1.7	2.1	2.3	2.5	2.1	2.3	1.9	1.7	1.8	2.1	2.1	44.0
46.0	1.8	2.3	2.3	2.0	1.8	1.6	1.8	2.0	2.1	2.0	2.1	1.7	1.4	1.5	1.8	1.8	46.0
48.0	1.4	2.0	2.2	1.9	1.7	1.4	1.4	1.7	1.8	1.9	1.9	1.6	1.0	1.1	1.5	1.5	48.0
50.0	1.1	1.7	1.9	1.8	1.6	1.3	1.2	1.4	1.5	1.7	1.7	1.4			1.2	1.2	50.0
54.0		1.2	1.4	1.5	1.4	1.1				1.2	1.2	1.2					54.0
58.0				1.1	1.2							1.0					58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0	4.3	4.0	3.7	4.4	4.2	3.6											18.0
	20.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0					20.0
	22.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		22.0
	24.0	4.3	4.0	3.7	4.4	4.2	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		24.0
	26.0	4.1	3.9	3.7	4.2	4.1	3.6	3.9	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		26.0
	28.0	3.9	3.7	3.6	4.0	4.0	3.6	3.8	3.4	3.7	3.4	3.0	3.0	2.9	2.6	2.2		28.0
	30.0	3.7	3.4	3.3	3.9	3.8	3.4	3.7	3.3	3.7	3.4	3.0	3.0	2.9	2.6	2.2		30.0
	32.0	3.5	3.2	3.1	3.7	3.6	3.2	3.5	3.1	3.5	3.4	3.0	3.0	2.9	2.6	2.2		32.0
	34.0	3.3	2.9	2.9	3.5	3.5	3.0	3.3	2.9	3.2	3.3	2.9	2.9	2.9	2.6	2.2		34.0
	36.0	3.2	2.7	2.7	3.0	3.2	2.8	3.2	2.8	2.7	3.0	2.8	2.7	2.5	2.6	2.2		36.0
	38.0	3.0	2.5	2.5	2.5	2.7	2.6	3.0	2.6	2.2	2.5	2.6	2.6	2.0	2.4	1.9		38.0
	40.0	2.8	2.3	2.3	2.1	2.3	2.4	2.7	2.4	1.8	2.1	2.4	2.4	1.6	1.9	1.5		40.0
	42.0	2.6	2.2	2.1	1.7	1.9	2.3	2.3	2.2	1.4	1.7	2.0	2.2	1.2	1.6	1.1		42.0
	44.0	2.4	2.0	2.0	1.4	1.6	2.0	2.0	2.1	1.1	1.4	1.7	1.9		1.3			44.0
	46.0	2.0	1.8	1.8	1.0	1.3	1.7	1.7	1.9		1.1	1.4	1.6					46.0
	48.0	1.7	1.7	1.7			1.4	1.4	1.7			1.1	1.3					48.0
	50.0	1.4	1.6	1.5			1.1	1.1	1.4				1.0					50.0
	54.0		1.1	1.2														54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0	6.1		6.2														14.0
16.0	5.4	5.6	5.6	5.6	5.6	5.5	5.7	5.7	5.7	5.5		5.8	5.8				16.0
18.0	4.9	5.1	5.1	5.1	5.1	5.0	5.2	5.2	5.2	5.1	5.0	5.3	5.3	5.1	5.0	4.9	18.0
20.0	4.5	4.7	4.6	4.6	4.7	4.6	4.8	4.8	4.8	4.7	4.6	4.9	4.9	4.8	4.7	4.6	20.0
22.0	4.1	4.3	4.3	4.3	4.3	4.2	4.4	4.4	4.4	4.3	4.2	4.6	4.6	4.4	4.4	4.3	22.0
24.0	3.7	3.9	3.9	3.9	3.9	3.9	4.1	4.1	4.1	4.0	3.9	4.2	4.2	4.1	4.1	4.0	24.0
26.0	3.4	3.6	3.6	3.6	3.6	3.6	3.8	3.8	3.8	3.7	3.6	4.0	3.9	3.9	3.8	3.7	26.0
28.0	3.1	3.4	3.3	3.3	3.3	3.3	3.5	3.5	3.5	3.5	3.2	3.7	3.7	3.6	3.6	3.4	28.0
30.0	2.9	3.1	3.1	3.1	3.1	3.1	3.3	3.3	3.3	3.2	3.0	3.5	3.4	3.4	3.3	3.1	30.0
32.0	2.7	2.9	2.9	2.9	2.9	2.9	3.1	3.1	3.1	3.0	2.7	3.2	3.2	3.2	3.1	2.9	32.0
34.0	2.5	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.8	2.5	3.1	3.0	3.0	2.9	2.6	34.0
36.0	2.3	2.6	2.5	2.5	2.5	2.5	2.7	2.7	2.7	2.7	2.3	2.9	2.9	2.8	2.7	2.4	36.0
38.0	2.2	2.4	2.4	2.4	2.4	2.4	2.6	2.6	2.5	2.5	2.1	2.7	2.7	2.7	2.6	2.3	38.0
40.0	2.1	2.3	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	1.9	2.6	2.6	2.5	2.4	2.1	40.0
42.0		2.1	2.1	2.1	2.1	2.1	2.3	2.3	2.3	2.3	1.8	2.4	2.4	2.4	2.2	2.0	42.0
44.0		2.1	2.0	2.0	2.0	2.0	2.2	2.2	2.2	2.2	1.7	2.3	2.3	2.3	2.0	1.8	44.0
46.0		2.0					2.1	2.1	2.1	2.1	1.5	2.0	2.2	2.2	1.9	1.7	46.0
48.0							1.9	2.0	2.0	2.0	1.4	1.7	2.1	2.1	1.7	1.6	48.0
50.0							1.5					1.4	1.9	2.0	1.6	1.5	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	5.3	5.2															18.0
20.0	5.0	4.8	4.8	4.7	4.6	4.5	4.8	4.8	4.7	4.6	4.5						20.0
22.0	4.7	4.5	4.5	4.4	4.3	4.2	4.5	4.5	4.5	4.3	4.3	4.1	4.5	4.5	4.3	4.4	22.0
24.0	4.3	4.2	4.2	4.1	4.1	4.0	4.3	4.3	4.2	4.1	4.1	3.9	4.3	4.2	4.1	4.2	24.0
26.0	4.1	4.0	3.9	3.9	3.8	3.7	4.0	4.0	4.0	3.9	3.9	3.8	4.0	4.0	3.9	4.0	26.0
28.0	3.8	3.7	3.7	3.6	3.5	3.5	3.8	3.8	3.8	3.6	3.7	3.5	3.8	3.8	3.7	3.8	28.0
30.0	3.6	3.5	3.5	3.4	3.3	3.2	3.6	3.6	3.5	3.4	3.5	3.3	3.6	3.6	3.5	3.6	30.0
32.0	3.4	3.3	3.3	3.2	3.0	3.0	3.4	3.4	3.4	3.1	3.3	3.1	3.5	3.4	3.2	3.4	32.0
34.0	3.2	3.1	3.1	3.1	2.8	2.7	3.2	3.2	3.2	2.9	3.1	2.8	3.3	3.3	3.0	3.2	34.0
36.0	3.0	2.9	2.9	2.9	2.6	2.5	3.0	3.0	3.0	2.7	3.0	2.6	3.1	3.1	2.8	3.1	36.0
38.0	2.8	2.8	2.8	2.7	2.4	2.3	2.9	2.9	2.9	2.5	2.8	2.4	3.0	3.0	2.7	2.9	38.0
40.0	2.7	2.6	2.6	2.5	2.2	2.1	2.8	2.7	2.7	2.4	2.6	2.2	2.8	2.8	2.5	2.8	40.0
42.0	2.6	2.5	2.5	2.4	2.1	1.9	2.6	2.6	2.6	2.2	2.5	2.0	2.4	2.5	2.3	2.7	42.0
44.0	2.3	2.4	2.4	2.2	2.0	1.7	2.4	2.5	2.5	2.1	2.3	1.9	2.0	2.1	2.2	2.4	44.0
46.0	2.0	2.3	2.3	2.0	1.8	1.6	2.0	2.2	2.3	2.0	2.1	1.7	1.6	1.7	2.0	2.0	46.0
48.0	1.6	2.2	2.2	1.9	1.7	1.4	1.7	1.9	2.0	1.8	1.9	1.6	1.3	1.4	1.7	1.7	48.0
50.0	1.3	1.9	2.0	1.8	1.6	1.3	1.3	1.5	1.7	1.7	1.8	1.5		1.1	1.4	1.4	50.0
54.0		1.3	1.5	1.5	1.4	1.1			1.1	1.3	1.4	1.2					54.0
58.0												1.0					58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0	4.3	4.0		4.3													22.0
	24.0	4.1	3.9	3.7	4.2	4.1	3.6	3.9	3.4	3.7	3.4							24.0
	26.0	3.9	3.8	3.7	4.0	3.9	3.6	3.8	3.4	3.7	3.4	3.0	3.0	2.9	2.6			26.0
	28.0	3.7	3.6	3.5	3.8	3.7	3.5	3.6	3.4	3.6	3.4	3.0	3.0	2.9	2.6	2.2		28.0
	30.0	3.5	3.4	3.3	3.6	3.6	3.4	3.5	3.3	3.5	3.4	3.0	3.0	2.9	2.6	2.2		30.0
	32.0	3.3	3.2	3.1	3.4	3.4	3.2	3.3	3.1	3.4	3.3	3.0	3.0	2.9	2.6	2.2		32.0
	34.0	3.2	2.9	2.9	3.3	3.3	3.0	3.2	2.9	3.2	3.1	2.9	2.9	2.9	2.6	2.2		34.0
	36.0	3.0	2.7	2.7	3.1	3.1	2.8	3.0	2.7	3.1	3.0	2.7	2.7	2.9	2.6	2.2		36.0
	38.0	2.9	2.5	2.5	3.0	3.0	2.6	2.9	2.6	2.7	2.9	2.6	2.6	2.5	2.5	2.2		38.0
	40.0	2.7	2.3	2.3	2.5	2.7	2.4	2.8	2.4	2.2	2.5	2.4	2.4	2.0	2.4	1.9		40.0
	42.0	2.6	2.2	2.1	2.1	2.3	2.3	2.6	2.2	1.8	2.1	2.3	2.3	1.6	2.0	1.5		42.0
	44.0	2.4	2.0	2.0	1.7	1.9	2.1	2.3	2.1	1.4	1.7	2.0	2.1	1.3	1.6	1.2		44.0
	46.0	2.2	1.9	1.8	1.4	1.6	2.0	2.0	1.9	1.1	1.4	1.7	1.9		1.3			46.0
	48.0	1.9	1.7	1.7	1.0	1.2	1.6	1.6	1.8		1.1	1.4	1.6		1.0			48.0
	50.0	1.6	1.6	1.6			1.3	1.3	1.6			1.1	1.3					50.0
	54.0	1.0	1.2	1.3					1.0									54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0	4.7	4.8	4.8	4.8	4.8	4.7	4.9	4.9	4.9								18.0
20.0	4.3	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.4	4.4	4.6	4.6	4.5			20.0
22.0	3.9	4.1	4.1	4.1	4.1	4.0	4.2	4.2	4.2	4.1	4.0	4.3	4.3	4.2	4.1	4.1	22.0
24.0	3.6	3.8	3.8	3.8	3.8	3.7	3.9	3.9	3.9	3.8	3.8	4.0	4.0	3.9	3.9	3.8	24.0
26.0	3.3	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	3.7	3.7	3.7	3.6	3.6	26.0
28.0	3.1	3.3	3.2	3.2	3.2	3.2	3.4	3.4	3.4	3.3	3.2	3.5	3.5	3.4	3.4	3.3	28.0
30.0	2.9	3.0	3.0	3.0	3.0	3.0	3.2	3.2	3.2	3.1	3.0	3.3	3.3	3.2	3.2	3.1	30.0
32.0	2.7	2.8	2.8	2.8	2.8	2.8	3.0	3.0	3.0	2.9	2.7	3.1	3.1	3.0	3.0	2.8	32.0
34.0	2.5	2.7	2.7	2.6	2.7	2.6	2.8	2.8	2.8	2.8	2.5	2.9	2.9	2.9	2.8	2.6	34.0
36.0	2.3	2.5	2.5	2.5	2.5	2.5	2.7	2.6	2.6	2.6	2.3	2.8	2.8	2.7	2.7	2.4	36.0
38.0	2.2	2.4	2.4	2.4	2.4	2.3	2.5	2.5	2.5	2.5	2.1	2.6	2.6	2.6	2.5	2.3	38.0
40.0	2.1	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.3	2.0	2.5	2.5	2.5	2.4	2.1	40.0
42.0		2.1	2.1	2.1	2.1	2.1	2.3	2.3	2.3	2.2	1.8	2.4	2.4	2.3	2.2	2.0	42.0
44.0		2.1					2.2	2.2	2.2	2.1	1.7	2.3	2.3	2.2	2.1	1.8	44.0
46.0							2.1	2.1	2.1	2.1	1.6	2.2	2.2	2.2	1.9	1.7	46.0
48.0												1.8	2.1	2.1	1.7	1.6	48.0
50.0												1.4	1.9	2.0	1.6	1.5	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0	4.6																20.0
22.0	4.3	4.2	4.2	4.1	4.1		4.2	4.2									22.0
24.0	4.1	4.0	3.9	3.9	3.8	3.8	4.0	4.0	3.9	3.9	3.9	3.6	4.0	3.9	3.6	3.8	24.0
26.0	3.8	3.7	3.7	3.7	3.6	3.6	3.8	3.8	3.7	3.7	3.7	3.5	3.8	3.8	3.6	3.7	26.0
28.0	3.6	3.5	3.5	3.5	3.4	3.4	3.6	3.6	3.5	3.5	3.5	3.4	3.6	3.6	3.5	3.5	28.0
30.0	3.4	3.3	3.3	3.3	3.2	3.1	3.4	3.4	3.3	3.3	3.3	3.2	3.4	3.4	3.3	3.4	30.0
32.0	3.2	3.1	3.1	3.1	3.0	2.9	3.2	3.2	3.2	3.1	3.1	3.0	3.2	3.2	3.1	3.2	32.0
34.0	3.0	3.0	3.0	2.9	2.8	2.7	3.1	3.0	3.0	2.9	3.0	2.8	3.1	3.1	2.9	3.1	34.0
36.0	2.9	2.8	2.8	2.8	2.6	2.5	2.9	2.9	2.9	2.7	2.8	2.6	3.0	3.0	2.8	2.9	36.0
38.0	2.7	2.7	2.7	2.6	2.4	2.3	2.8	2.8	2.7	2.5	2.7	2.4	2.8	2.8	2.6	2.8	38.0
40.0	2.6	2.6	2.5	2.5	2.2	2.1	2.6	2.6	2.6	2.3	2.6	2.2	2.7	2.7	2.4	2.7	40.0
42.0	2.5	2.4	2.4	2.3	2.1	1.9	2.5	2.5	2.5	2.2	2.4	2.1	2.6	2.6	2.3	2.6	42.0
44.0	2.4	2.3	2.3	2.2	2.0	1.8	2.4	2.4	2.4	2.1	2.3	1.9	2.3	2.4	2.2	2.5	44.0
46.0	2.1	2.2	2.2	2.0	1.8	1.6	2.2	2.3	2.3	1.9	2.1	1.8	1.9	2.0	2.1	2.2	46.0
48.0	1.8	2.2	2.2	1.9	1.7	1.5	1.8	2.0	2.1	1.8	2.0	1.6	1.5	1.6	1.9	1.9	48.0
50.0	1.4	2.0	2.1	1.8	1.6	1.3	1.5	1.7	1.8	1.7	1.8	1.5	1.2	1.2	1.5	1.5	50.0
54.0		1.4	1.5	1.6	1.5	1.1		1.1	1.2	1.4	1.5	1.2					54.0
58.0												1.0					58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
	24.0	3.6	3.4															24.0
	26.0	3.5	3.3	3.1	3.5	3.3	3.0	3.2	2.9	3.0								26.0
	28.0	3.5	3.3	3.1	3.4	3.3	3.0	3.1	2.8	2.9	2.7	2.5	2.5	2.4	2.2			28.0
	30.0	3.3	3.2	3.0	3.3	3.2	2.9	3.1	2.8	2.9	2.7	2.5	2.5	2.4	2.2	1.9		30.0
	32.0	3.2	3.1	3.0	3.3	3.1	2.9	3.0	2.7	2.8	2.6	2.5	2.4	2.3	2.1	1.9		32.0
	34.0	3.0	2.9	2.9	3.1	3.1	2.8	3.0	2.7	2.8	2.6	2.4	2.4	2.3	2.1	1.8		34.0
	36.0	2.9	2.7	2.7	3.0	3.0	2.8	2.9	2.7	2.7	2.5	2.4	2.4	2.3	2.1	1.8		36.0
	38.0	2.8	2.5	2.5	2.9	2.8	2.6	2.8	2.5	2.6	2.5	2.3	2.3	2.2	2.0	1.8		38.0
	40.0	2.6	2.3	2.3	2.7	2.7	2.4	2.7	2.4	2.6	2.5	2.3	2.3	2.2	2.0	1.8		40.0
	42.0	2.5	2.2	2.1	2.4	2.6	2.3	2.6	2.2	2.2	2.4	2.3	2.3	2.0	2.0	1.7		42.0
	44.0	2.4	2.0	2.0	2.0	2.2	2.1	2.5	2.1	1.8	2.1	2.1	2.1	1.6	2.0	1.5		44.0
	46.0	2.2	1.9	1.8	1.6	1.8	2.0	2.2	1.9	1.4	1.7	2.0	2.0	1.3	1.6	1.2		46.0
	48.0	2.1	1.7	1.7	1.3	1.5	1.8	1.8	1.8	1.1	1.4	1.7	1.8		1.3			48.0
	50.0	1.8	1.6	1.6		1.1	1.5	1.5	1.7		1.1	1.4	1.5		1.0			50.0
	54.0	1.2	1.3	1.3					1.2									54.0
	58.0																	58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

油圧チルトジブ+ミドルジブ

HAVHY-VA	33.0 m (12.0 m+21.0 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	25.2	24.8	24.8	24.8	24.8	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0	4.2	4.2	4.3	4.2	4.2	4.2											20.0
22.0	3.8	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	3.9	3.9	4.0	4.0	4.0			22.0
24.0	3.5	3.7	3.6	3.7	3.6	3.6	3.7	3.7	3.7	3.7	3.6	3.8	3.8	3.7	3.7	3.6	24.0
26.0	3.3	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.4	3.4	3.6	3.6	3.5	3.5	3.4	26.0
28.0	3.0	3.2	3.2	3.2	3.2	3.1	3.3	3.3	3.3	3.2	3.2	3.4	3.4	3.3	3.3	3.2	28.0
30.0	2.8	3.0	3.0	3.0	3.0	2.9	3.1	3.1	3.1	3.0	3.0	3.2	3.2	3.1	3.1	3.0	30.0
32.0	2.6	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.7	3.0	3.0	3.0	2.9	2.8	32.0
34.0	2.5	2.6	2.6	2.6	2.6	2.6	2.8	2.8	2.7	2.7	2.5	2.9	2.9	2.8	2.8	2.6	34.0
36.0	2.3	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.3	2.7	2.7	2.7	2.7	2.4	36.0
38.0		2.4	2.4	2.4	2.4	2.3	2.5	2.5	2.5	2.4	2.1	2.6	2.6	2.5	2.5	2.3	38.0
40.0		2.3	2.3	2.3	2.3	2.2	2.4	2.4	2.4	2.3	2.0	2.5	2.5	2.4	2.4	2.1	40.0
42.0							2.3	2.3	2.3	2.3	1.8	2.4	2.4	2.3	2.2	2.0	42.0
44.0							2.2	2.2	2.2	2.2	1.7	2.3	2.3	2.3	2.1	1.8	44.0
46.0												2.2	2.2	2.2	1.9	1.7	46.0
48.0												1.9	2.1	2.1	1.8	1.6	48.0
50.0																	50.0
54.0																	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	1
2	0	0	45	0	0	0	45	45	0	0	0	45	45	0	0	0	2
3	0	0	0	45	0	0	0	45	45	0	0	45	45	45	0	0	3
4	0	0	0	0	45	0	0	0	45	45	0	0	45	45	90	45	4
5	0	0	0	0	0	45	0	0	0	45	90	0	0	45	45	90	5
LK-Code	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

m	29.3	28.9	28.9	28.9	28.9	28.9	33.4	33.0	33.0	33.0	33.0	33.0	37.1	37.5	37.5	37.1	m
°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	7.0
8.0																	8.0
9.0																	9.0
10.0																	10.0
12.0																	12.0
14.0																	14.0
16.0																	16.0
18.0																	18.0
20.0																	20.0
22.0																	22.0
24.0	3.8	3.8	3.7	3.7	3.6		3.8										24.0
26.0	3.6	3.6	3.5	3.5	3.5	3.3	3.6	3.6	3.5	3.3	3.3	3.0	3.4	3.3	3.1	3.2	26.0
28.0	3.4	3.4	3.3	3.3	3.3	3.2	3.4	3.4	3.4	3.3	3.2	3.0	3.3	3.2	3.0	3.1	28.0
30.0	3.3	3.2	3.2	3.1	3.1	3.1	3.2	3.2	3.2	3.1	3.1	2.9	3.2	3.1	2.9	3.1	30.0
32.0	3.1	3.0	3.0	3.0	2.9	2.9	3.1	3.1	3.1	3.0	3.0	2.8	3.1	3.0	2.8	3.0	32.0
34.0	2.9	2.9	2.9	2.8	2.7	2.7	2.9	2.9	2.9	2.8	2.9	2.7	3.0	2.9	2.8	2.9	34.0
36.0	2.8	2.7	2.7	2.7	2.6	2.5	2.8	2.8	2.8	2.7	2.8	2.6	2.8	2.8	2.7	2.8	36.0
38.0	2.7	2.6	2.6	2.6	2.4	2.3	2.7	2.7	2.7	2.5	2.6	2.4	2.7	2.7	2.6	2.7	38.0
40.0	2.6	2.5	2.5	2.5	2.2	2.2	2.6	2.6	2.6	2.3	2.5	2.3	2.6	2.6	2.4	2.6	40.0
42.0	2.5	2.4	2.4	2.4	2.1	2.0	2.5	2.5	2.5	2.2	2.4	2.1	2.5	2.5	2.3	2.5	42.0
44.0	2.4	2.3	2.3	2.2	2.0	1.8	2.4	2.4	2.4	2.1	2.3	1.9	2.4	2.4	2.2	2.4	44.0
46.0	2.3	2.3	2.2	2.1	1.8	1.6	2.3	2.3	2.3	2.0	2.2	1.8	2.0	2.1	2.1	2.3	46.0
48.0	1.9	2.2	2.1	2.0	1.7	1.5	2.0	2.1	2.2	1.8	2.0	1.6	1.7	1.7	1.9	2.0	48.0
50.0	1.5	2.1	2.1	1.8	1.6	1.4	1.6	1.8	1.9	1.8	1.8	1.5	1.3	1.4	1.7	1.7	50.0
54.0								1.1	1.3	1.5	1.5	1.3			1.0	1.0	54.0
58.0																	58.0
62.0																	62.0
66.0																	66.0
1	45	0	0	0	0	0	45	0	0	0	0	0	90	45	45	0	1
2	45	45	0	0	0	0	45	90	45	45	0	0	45	90	45	90	2
3	45	45	90	45	45	0	45	45	90	45	90	45	45	45	45	90	3
4	45	45	45	90	45	90	45	45	45	45	90	90	45	45	45	45	4
5	0	45	45	45	90	90	45	45	45	90	45	90	45	45	90	45	5
LK-Code	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	LK-Code
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

HAVHY-VA	33.0 m (12.0 m+21.0 m)	27.1 t	7.7 m x 7.0 m	360°	JPN

	m	37.1	37.1	37.1	41.2	41.6	41.6	41.2	41.2	45.3	45.7	45.7	45.3	49.4	49.8	53.5		m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40		°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	7.0
	8.0																	8.0
	9.0																	9.0
	10.0																	10.0
	12.0																	12.0
	14.0																	14.0
	16.0																	16.0
	18.0																	18.0
	20.0																	20.0
	22.0																	22.0
	24.0																	24.0
	26.0	3.0	2.9															26.0
	28.0	3.0	2.8	2.6	2.9	2.8	2.5	2.6	2.4	2.5								28.0
	30.0	2.9	2.7	2.6	2.8	2.7	2.5	2.6	2.4	2.4	2.3	2.1	2.1	2.0	1.8			30.0
	32.0	2.8	2.7	2.5	2.7	2.6	2.4	2.5	2.3	2.4	2.2	2.1	2.1	1.9	1.8	1.5		32.0
	34.0	2.7	2.6	2.5	2.7	2.6	2.4	2.5	2.3	2.3	2.2	2.0	2.0	1.9	1.7	1.5		34.0
	36.0	2.7	2.5	2.4	2.6	2.5	2.3	2.4	2.2	2.2	2.1	2.0	2.0	1.9	1.7	1.5		36.0
	38.0	2.6	2.5	2.4	2.5	2.4	2.3	2.4	2.2	2.2	2.1	1.9	1.9	1.8	1.7	1.4		38.0
	40.0	2.5	2.3	2.3	2.5	2.4	2.2	2.3	2.1	2.1	2.0	1.9	1.9	1.8	1.6	1.4		40.0
	42.0	2.4	2.2	2.2	2.4	2.3	2.1	2.2	2.1	2.1	2.0	1.9	1.9	1.7	1.6	1.4		42.0
	44.0	2.4	2.0	2.0	2.3	2.2	2.1	2.2	2.0	2.0	1.9	1.8	1.8	1.7	1.6	1.3		44.0
	46.0	2.2	1.9	1.9	1.9	2.0	2.0	2.1	1.9	1.7	1.9	1.8	1.8	1.6	1.5	1.3		46.0
	48.0	2.1	1.7	1.7	1.5	1.7	1.9	2.0	1.8	1.4	1.6	1.7	1.8	1.3	1.5	1.2		48.0
	50.0	1.9	1.6	1.6	1.1	1.3	1.7	1.6	1.7	1.0	1.3	1.5	1.7		1.3			50.0
	54.0	1.2	1.4	1.3			1.0	1.0	1.3				1.1					54.0
	58.0			1.0														58.0
	62.0																	62.0
	66.0																	66.0
	1	0	0	0	90	45	45	0	0	90	45	45	0	90	45	90		1
	2	45	45	0	90	90	45	90	45	90	90	45	90	90	90	90		2
	3	90	45	90	45	90	45	90	90	90	90	90	90	90	90	90		3
	4	90	90	90	45	45	90	90	90	45	90	90	90	90	90	90		4
	5	45	90	90	45	45	90	45	90	45	45	90	90	45	90	90		5
	LK-Code	37	38	39	41	42	43	44	45	47	48	49	50	52	53	55		LK-Code
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

主要諸元

基本装備

キャリヤ

エンジン　405-4	スカニアDC13 ディーゼルエンジン 最高出力405kW/2,100min^{-1}(550HP) 最大トルク2,476Nm/1,400min^{-1}、尿素SCRシステム付
燃料タンク	燃料タンク容量480L　AdBlueタンク容量60L
トランスミッション	ZF TraXon　インターダブレーキ付　前進12段 後進2段：デフロック装置付2段トランスファー
車軸　10 x 6 x 10	10x6x10　5軸　2･4･5軸は駆動と選択式デフロック装置付　4軸は選択式センタデフロック装置付
サスペンション	ハイドロニューマチック　油圧ロック可能
ステアリング	独立操舵機構付2系統ステアリング　1、2、3軸は機械的に接続、4、5軸は電気･油圧的に接続、6種類の操舵モード付全軸操舵
ブレーキ	2系統式空気式全輪ディスクブレーキ、変速機内蔵インターダブレーキ、排気ブレーキ、駐車ブレーキ
タイヤ　385/95 R25 (14.00R25)	タイヤ　385/95 R25（14.00R25）　170F
キャリヤ運転室	アームレスト及びエアサスペンション付運転席、助手席、ハンドルの高さ及び角度調整可能 パワーウインドウ、着色ガラス、集中ドアロック、電動調整式ヒータ付ミラー、ラジオ、シートヒーター
ヒーター	温水式、暖房能力12kW
エアコン	冷房能力7kW
走行照明灯	ロー及びハイビーム付、フォグランプ、コーナリングランプ
アウトリガ	H型4点支持　全油圧式　アウトリガ張出幅2.55m、4.70m、7.0m
アウトリガ長さ検出器	各アウトリガに長さ検出器付、異常時にクレーン運転席内に警告
アウトリガ荷重表示	クレーン運転席及びアウトリガ操作盤に表示
イモビライザ	盗難防止装置、電子キー5個を含む
タイヤインフレータ	タイヤ空気充填装置付

クレーン

ブーム　HA60	12.5m～59.8m 複動油圧シリンダ直押式1本　ブームヘッドに最大荷重64.3t用シーブ4枚付
ブーム起伏	複動油圧シリンダ直押式 1本、自動降下ブレーキバルブ付
旋回装置	スプリング作動式ディスクブレーキ付旋回駆動装置1基
巻上装置　主巻	スプリング作動式ディスクブレーキ付巻上駆動装置1基、ドラム回転検出装置
カウンタウエイト　42.2t	カウンタウエイト42.2t（a～g）
操作装置	電気パイロット式ジョイスティックレバー2本
安全装置	過負荷防止装置IC-1：カラー表示、作業状態の表示、荷重表、エラー表示、荷重表示、データロガー
作業範囲制限装置	IC-1により作業範囲を制限、表示
フック高さ表示	IC-1によりフック高さを表示およびゼロ点設定
クレーン運転席	0.875mタイプ、16°無段階チルト、スライド式リヤウインドウ　開閉式フロントウインドウ　側面張り出し式ステップ及び前面ステップ、手すり、着色ガラス、引出式サンバイザ、ラジオ、シートヒーター
ヒーター	温水式、暖房能力5kW
エアコン	冷房能力5kW
風速計	着脱式、すべてのジブに使用

主要諸元

基本装備

クレーン

アタッチメントシーブ	追加のシーブ2枚、着脱可能、ブーム先端に最大6枚のシーブ、最大つり上げ荷重91.7t
巻上装置　捕巻	スプリング作動式ディスクブレーキ付巻上駆動装置1基、ドラム回転検出装置、着脱機構付

制御

ラジコン装置	ラジコン装置によるクレーン操作
IC-1Plus(IC-1プラス)	旋回角度に応じた性能制御 アウトリガの異張出に応じた性能制御 吊上げシミュレーション機能

補助ジブ

HAVHY 11 m	11.4m ラチス振出式ジブ1段目、油圧チルト式0°～40°、先端シーブ1枚
HAVHY 21 m	21m ラチス振出式ジブ2段目、油圧チルト式0°～40°、先端シーブ1枚
HAVHY-VA 33 m	33m（12m ミドルジブ+HAVHY 21m）、先端シーブ1枚

フック

フック 160-7/21-D	91.8tフック（7枚シーブ）（1,660kg）
フック 80-3/21-D	56.5tフック（3枚シーブ）（850kg）
フック 32-1/21-E	24.7tフック（1枚シーブ）（630kg）
フック 12.5-0/21-E	8.3tフック（350kg）

TADANO

●製品は、改良などのためこのスペックと相違する場合もありますので、ご了承ください。

DAC-130-1-90101（AC130-5）ブーム+油圧チルトジブ(HAVHY、HAVHY-VA)仕様
2020-07-0.01 ■