

130t

AC130-5

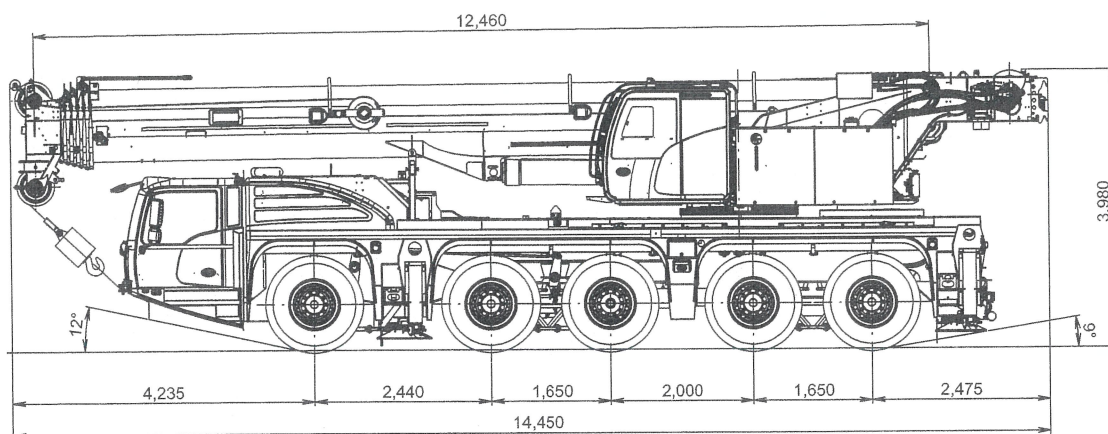


寿重機株式会社

TADANO

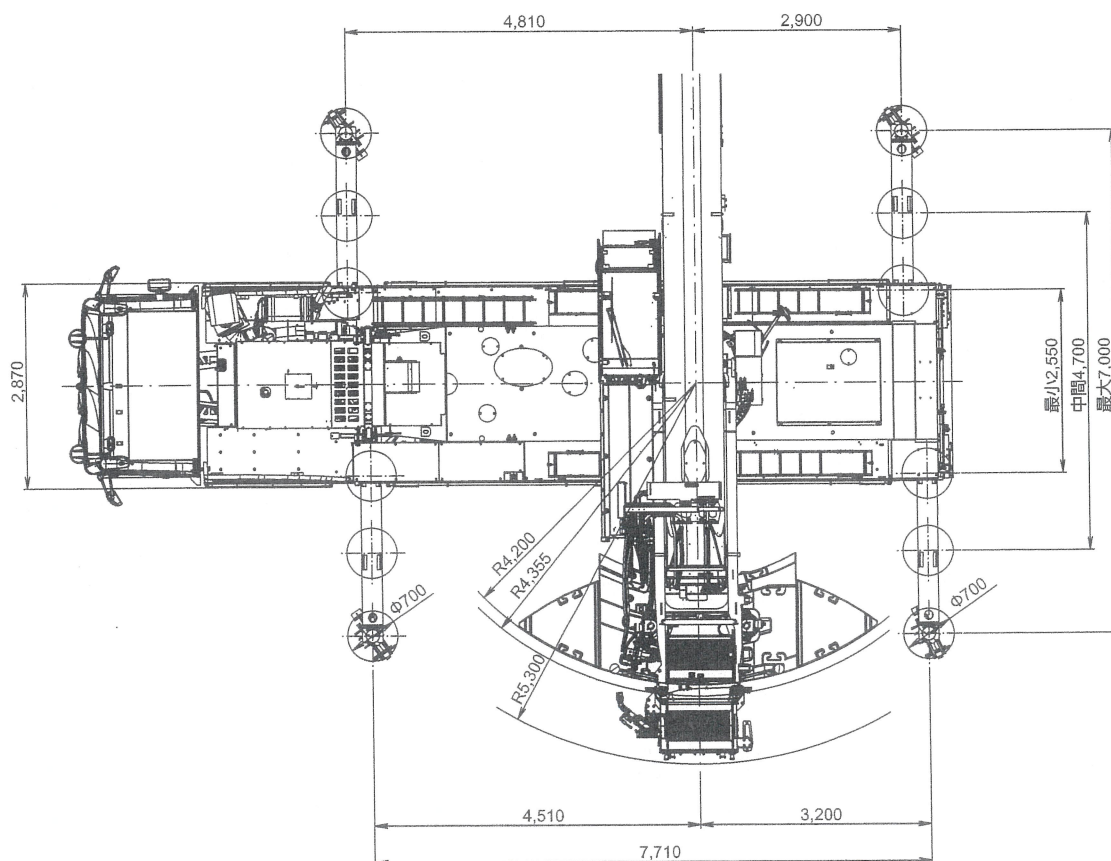
■ 公道走行状態

単位(mm)



■ アウトリガ張出幅・テールスイング

単位(mm)

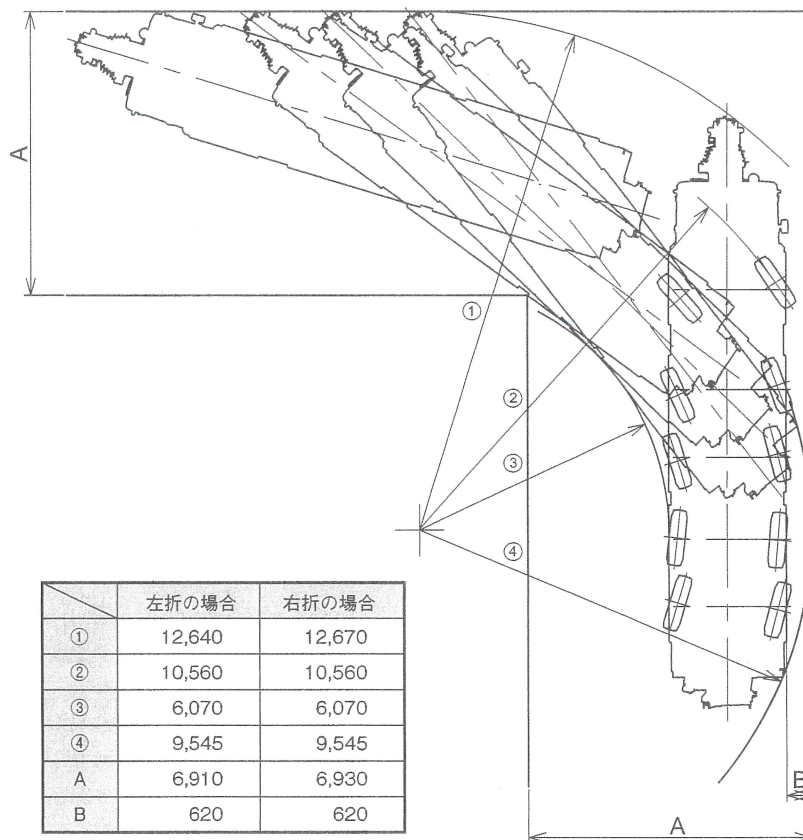


寸法

■ 最小直角通路幅

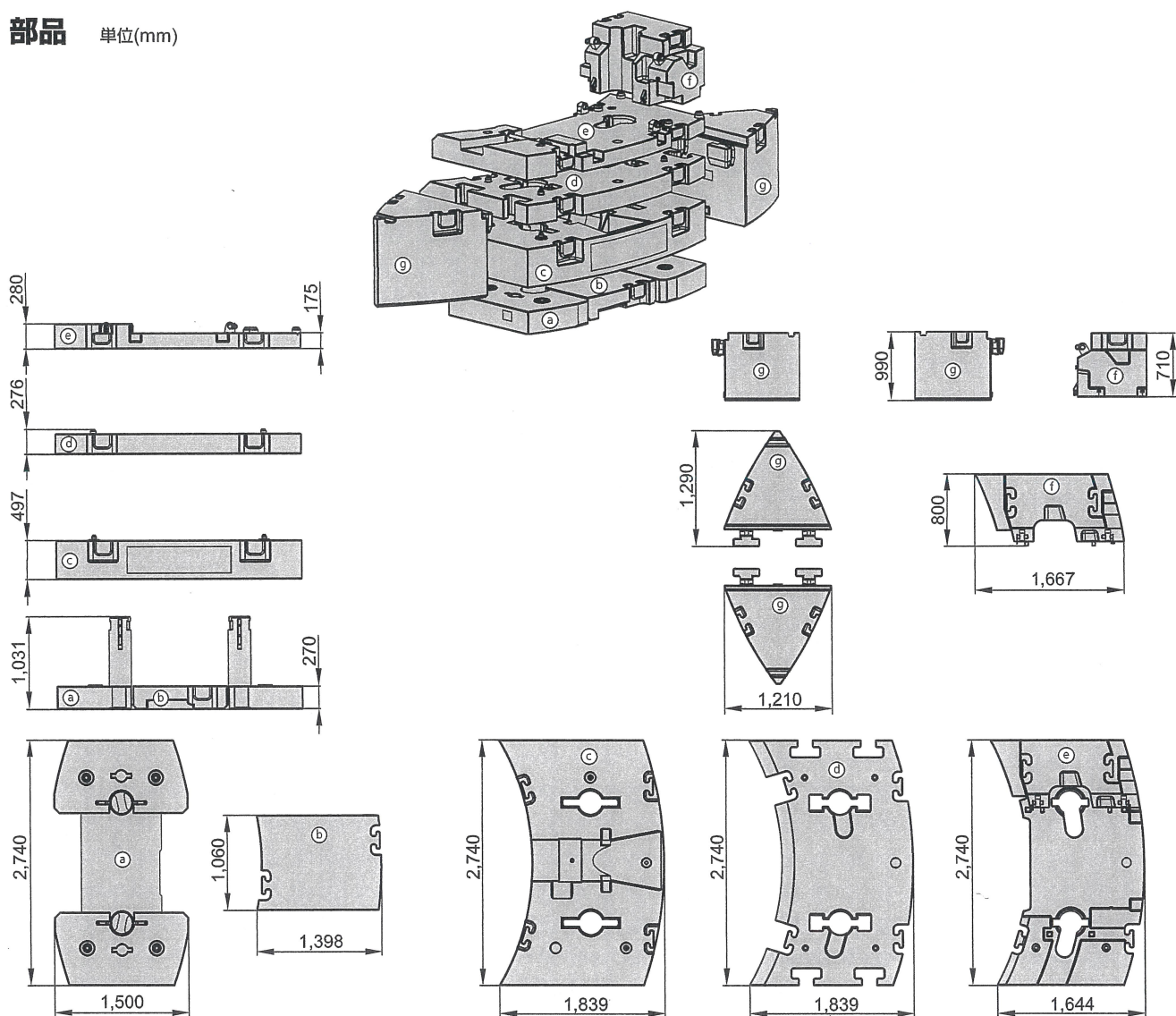
単位(mm)

● 公道走行状態・構内移動姿勢



カウンタウエイト

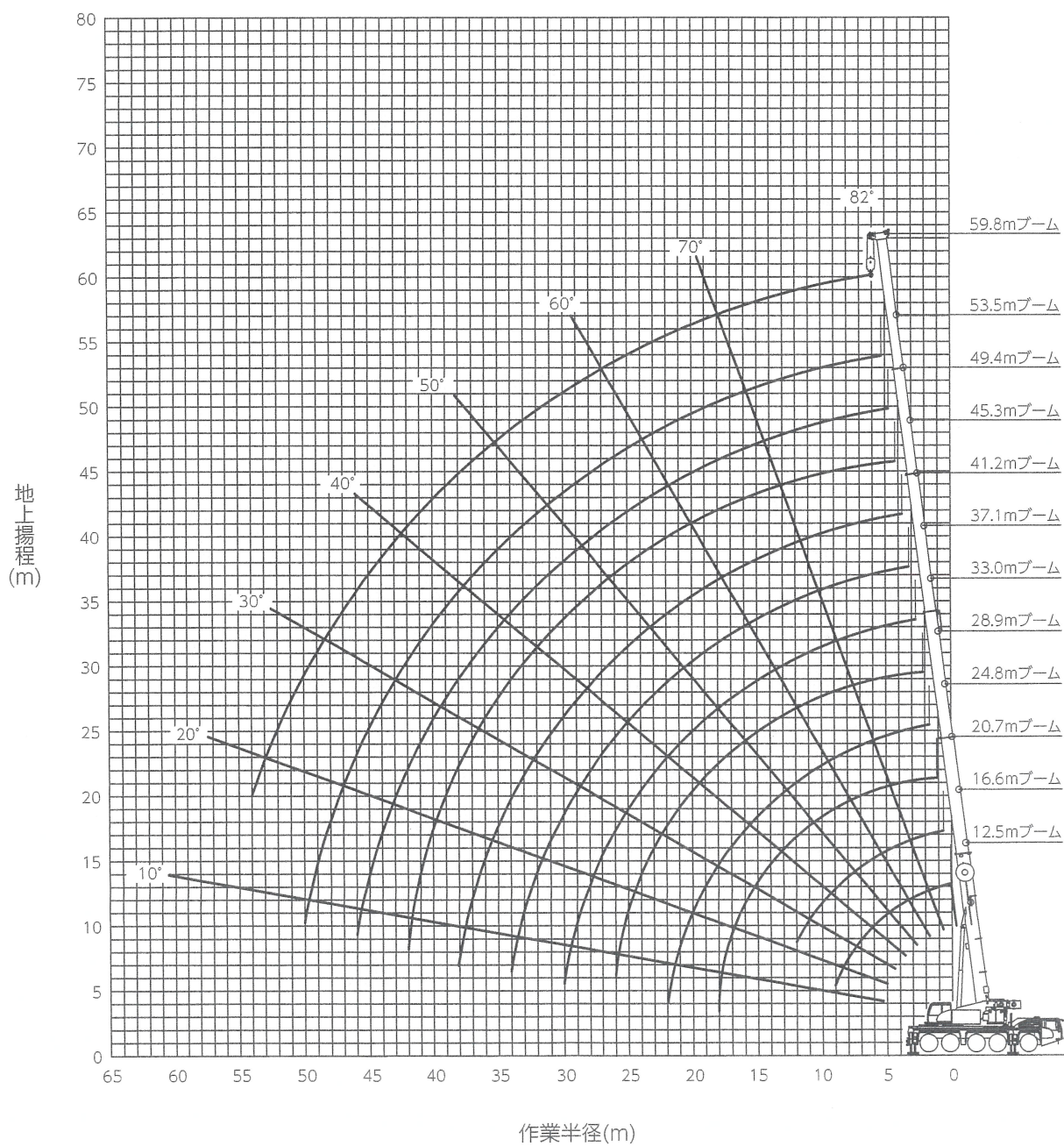
部品 単位(mm)



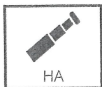
構成

	① 4.9 t	② 2.1 t	③ 11.0 t	④ 5.4 t	⑤ 4.5 t	⑥ 3.7 t	⑦ 5.3 t	⑧ 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

ブーム作業半径－揚程図

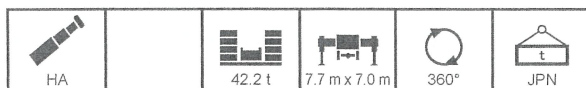


注意: 上図はたわみを含んでいません。
カウンタウエイト42.2t、アウトリガ張出幅7.0m時の性能を図示しています。

				
HA	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
	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
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	58.0																	58.0
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	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		



	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									42.0
	44.0				4.2	3.1	3.7	3.8	3.4									44.0
	46.0				3.8	2.7	3.3	3.4	3.0									46.0
	48.0							3.0	2.6									48.0
	50.0							2.7	2.3									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									

					
HA		31.6 t	7.7 m x 7.0 m	360°	JPN

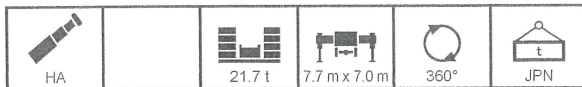
 m	12.5	17.0	16.6	16.6	16.6	16.6	21.1	20.7	20.7	20.7	20.7	21.6	25.2	24.8	24.8	24.8	m
3.0	91.7	87.7	88.4	88.8	89.2	58.7	85.1	86.3	86.9	63.1	42.5	39.4	74.9	76.4	65.5	44.3	3.0
3.5	84.6	80.9	81.7	82.1	82.5	55.7	79.0	79.9	80.5	60.0	39.7	36.7	74.6	75.6	62.9	41.3	3.5
4.0	77.8	75.2	75.9	76.3	76.7	52.9	73.2	74.1	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	17.8	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	45	90	45	90	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	2.5									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	90	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										



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	91.6	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	83.8	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	77.1	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	71.3	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	66.3	65.6	66.2	66.6	67.0	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	57.9	57.3	57.8	58.3	58.6	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	50.3	49.5	50.2	50.7	51.2	40.4	49.5	50.5	51.4	44.6	27.5	25.3	48.7	49.7	45.1	28.1	7.0
8.0	43.5	42.6	43.5	44.0	44.5	37.6	42.3	43.8	44.6	41.1	25.1	23.0	40.6	41.6	37.6	25.6	8.0
9.0	35.7	34.4	35.4	36.2	36.9	35.3	34.4	35.8	37.1	38.1	23.2	21.2	34.2	35.2	31.2	23.4	9.0
10.0		28.3	29.3	30.1	30.8	31.5	28.3	29.8	31.0	32.1	21.6	19.7	28.9	30.6	27.0	21.6	10.0
12.0		20.2	21.1	21.8	22.4	23.0	20.1	21.5	22.5	23.6	19.1	17.4	20.7	22.2	23.5	18.8	12.0
14.0		15.2					15.1	16.3	17.3	18.3	17.0	15.4	16.6	17.0	18.2	16.7	14.0
16.0							11.7	12.9	13.8	14.7	15.1	13.9	12.1	13.5	14.6	14.9	16.0
18.0							9.3	10.5	11.4	12.2	12.5	12.7	9.6	10.9	12.0	12.4	18.0
20.0													7.7	9.0	10.1	10.5	20.0
22.0													6.2	7.6	8.6	9.0	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	45	0	0	45	45	45	0	3
4	0	0	0	0	45	0	0	0	45	45	45	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	12	8	11	11	11	8	6	5	10	10	9	6	

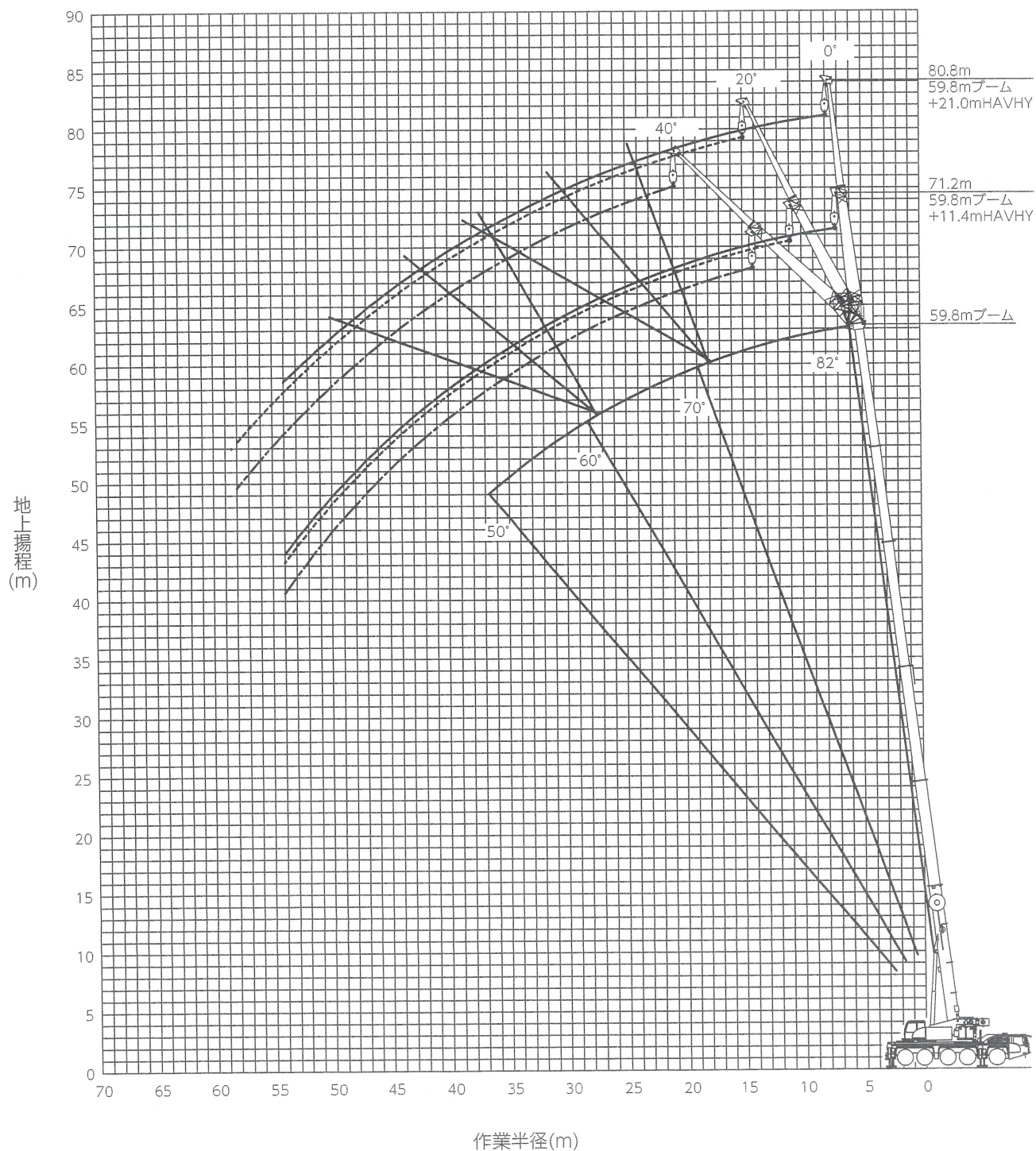
m	24.8	25.7	29.3	28.9	28.9	28.9	28.9	28.9	31.0	33.4	33.0	33.0	33.0	33.0	33.0	35.1	m
3.0	44.2	40.6															3.0
3.5	41.7	38.3	58.6	57.3	45.7	42.7	42.6										3.5
4.0	39.2	36.2	58.2	56.6	44.2	40.3	41.1	33.3	29.9								4.0
4.5	36.9	34.3	57.9	55.9	41.9	38.1	39.1	31.4	28.3	44.8	44.5	40.4	37.5	34.4	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	46.9	49.3	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	39.4	41.7	29.1	27.6	28.3	22.1	19.9	38.4	34.0	30.7	29.9	25.3	23.2	20.8	8.0
9.0	23.8	22.8	33.5	35.6	26.8	25.7	26.3	20.4	18.3	32.9	31.2	28.4	27.9	23.2	21.5	19.2	9.0
10.0	21.9	21.0	28.9	31.0	24.7	23.8	24.4	18.9	17.0	28.6	28.9	26.4	26.1	21.5	20.0	17.9	10.0
12.0	19.0	18.1	21.4	23.0	21.0	20.5	21.1	16.2	14.6	22.3	22.8	23.0	23.1	18.6	17.6	15.8	12.0
14.0	16.8	16.0	16.3	17.8	18.2	18.1	18.7	14.2	12.8	17.1	17.5	17.9	18.4	16.1	15.5	13.9	14.0
16.0	15.0	14.3	12.8	14.2	14.6	14.9	15.2	12.8	11.4	13.5	13.9	14.3	14.8	14.2	13.9	12.4	16.0
18.0	12.7	12.8	10.3	11.6	12.0	12.3	12.6	11.6	10.3	11.0	11.4	11.7	12.2	12.3	12.7	11.2	18.0
20.0	10.7	10.9	8.3	9.7	10.1	10.3	10.6	10.5	9.4	9.0	9.4	9.8	10.2	10.3	10.8	10.3	20.0
22.0	9.2	9.3	6.7	8.1	8.5	8.8	9.0	9.3	8.5	7.5	7.9	8.2	8.7	8.8	9.2	9.3	22.0
24.0			5.5	6.9	7.3	7.6	7.8	8.1	7.9	6.2	6.6	7.0	7.4	7.5	8.0	8.1	24.0
26.0			4.5	5.9	6.3	6.6	6.8	7.1	7.2	5.1	5.5	5.9	6.4	6.5	7.0	7.0	26.0
28.0									6.4	4.3	4.7	5.0	5.5	5.6	6.1	6.2	28.0
30.0										3.6	4.0	4.3	4.8	4.9	5.4	5.4	30.0
32.0																4.8	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	90	45	90	45	90	100	45	45	45	45	90	90	4
5	90	100	0	45	45	45	90	90	100	45	45	45	45	90	45	90	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	6	5	4	6	6	5	5	5	4	4	

				
HA	21.7 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	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	31.0	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	27.0	27.2	27.1	25.6	22.4	21.3	19.5	18.0	25.8	24.7	21.9	22.5	19.7	17.6	21.8	20.6	10.0
12.0	21.1	21.3	22.3	22.2	19.7	18.9	16.9	15.8	20.2	20.8	19.8	20.1	17.5	16.0	19.7	19.4	12.0
14.0	16.6	16.9	17.7	17.7	17.4	16.9	14.9	14.0	16.2	16.8	17.8	17.8	15.6	14.4	15.9	16.6	14.0
16.0	13.1	13.4	14.1	14.1	14.6	15.0	13.1	12.4	13.0	13.5	14.4	14.3	14.0	13.0	13.0	13.8	16.0
18.0	10.6	10.8	11.6	11.5	12.0	12.4	11.7	11.1	10.5	11.0	11.8	11.7	12.3	11.8	10.7	11.3	18.0
20.0	8.6	8.9	9.6	9.5	10.0	10.4	10.5	9.9	8.5	9.0	9.9	9.8	10.4	10.5	8.7	9.3	20.0
22.0	7.0	7.3	8.1	8.0	8.5	8.8	9.1	9.0	6.9	7.4	8.3	8.2	8.8	9.0	7.1	7.8	22.0
24.0	5.7	6.0	6.8	6.7	7.2	7.6	7.9	8.0	5.6	6.1	7.1	6.9	7.6	7.7	5.8	6.5	24.0
26.0	4.7	5.0	5.7	5.6	6.2	6.5	6.8	6.9	4.6	5.1	6.0	5.9	6.5	6.7	4.8	5.4	26.0
28.0	3.8	4.1	4.8	4.8	5.3	5.6	6.0	6.1	3.7	4.2	5.1	5.0	5.6	5.7	3.9	4.5	28.0
30.0	3.1	3.3	4.1	4.0	4.5	4.9	5.2	5.3	3.0	3.4	4.3	4.2	4.8	5.0	3.1	3.7	30.0
32.0	2.5	2.7	3.4	3.4	3.9	4.3	4.6	4.6	2.3	2.8	3.7	3.6	4.2	4.3	2.5	3.1	32.0
34.0	2.0	2.2	2.9	2.9	3.3	3.7	4.0	4.1	1.8	2.3	3.1	3.0	3.6	3.7	1.9	2.5	34.0
36.0								3.6	1.3	1.8	2.6	2.5	3.1	3.2	1.5	2.1	36.0
38.0										1.4	2.2	2.2	2.7	2.8	1.0	1.6	38.0
40.0														2.4		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	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	90	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
 m	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	15.8	15.9	12.7	14.4	10.5									14.0
16.0	14.4	14.4	13.2	13.1	13.8	12.4	13.2	10.5									16.0
18.0	11.8	12.1	12.1	10.9	11.6	11.5	11.1	10.5									18.0
20.0	9.9	10.2	10.2	9.1	9.7	9.8	9.4	9.0									20.0
22.0	8.3	8.6	8.6	7.5	8.1	8.3	7.9	7.6									22.0
24.0	7.1	7.3	7.4	6.2	6.8	7.0	6.6	6.4									24.0
26.0	6.0	6.3	6.3	5.1	5.8	5.9	5.5	5.4									26.0
28.0	5.1	5.4	5.4	4.2	4.8	5.0	4.6	4.5									28.0
30.0	4.3	4.6	4.6	3.5	4.1	4.2	3.8	3.8									30.0
32.0	3.6	3.9	4.0	2.8	3.4	3.6	3.2	3.1									32.0
34.0	3.1	3.4	3.4	2.3	2.9	3.0	2.6	2.6									34.0
36.0	2.6	2.9	2.9	1.8	2.4	2.5	2.1	2.1									36.0
38.0	2.2	2.4	2.4	1.3	1.9	2.1	1.7	1.6									38.0
40.0	1.8	2.1	2.1		1.6	1.7	1.3	1.2									40.0
42.0	1.5	1.8	1.7		1.2	1.3											42.0
44.0			1.4			1.0											44.0
46.0			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	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
 m	3	3	2	3	3	2	2	2									

油圧チルトジブ (HAVHY) 作業半径－揚程図



注意: 上図はたわみを含んでいません。
カウンタウエイト42.2t、アウトリガ張出幅7.0m時の性能を図示しています。

					
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	90	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					7.2										10.0
	12.0	9.7	9.6	7.6	9.0	8.3		7.2	5.2									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
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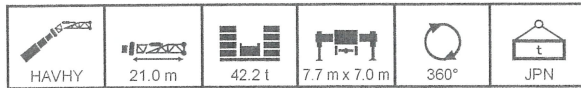
 m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
 °	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	°
3.0																	3.0
3.5																	3.5
4.0																	4.0
4.5																	4.5
5.0																	5.0
6.0																	6.0
7.0																	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	5.6	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	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	4.6	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	2									

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

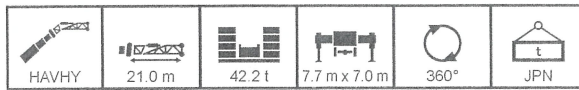
	m	37.1	37.5	37.5	37.1	37.1	37.1	37.1	40.6	41.2	41.6	41.6	41.2	41.2	44.7	45.3	45.7	m
	°	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	°
	3.0																	3.0
	3.5																	3.5
	4.0																	4.0
	4.5																	4.5
	5.0																	5.0
	6.0																	6.0
	7.0																	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	45	45	90	90	2	2
	3	45	45	45	90	90	45	90	100	45	90	45	90	90	100	90	3	3
	4	45	45	45	45	90	90	90	100	45	45	90	90	90	100	45	4	4
	5	45	45	90	45	45	90	90	100	45	45	90	45	90	100	45	5	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								



	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
	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	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	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		

	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
	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									



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	5.1	5.0	5.0	4.9	5.2	5.2	5.1	5.1	5.0	4.8	5.2	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									

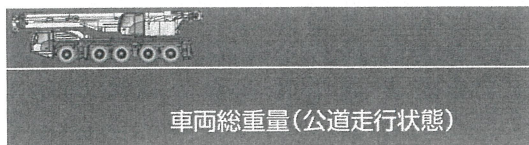
HAVHY

					
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	3.8	3.8	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	3.7	3.7	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	3.7	3.6	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	3.6	3.4	3.7	36.0
	38.0	3.6	3.6	3.6	3.6	3.6	3.6	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	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	3.8	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									

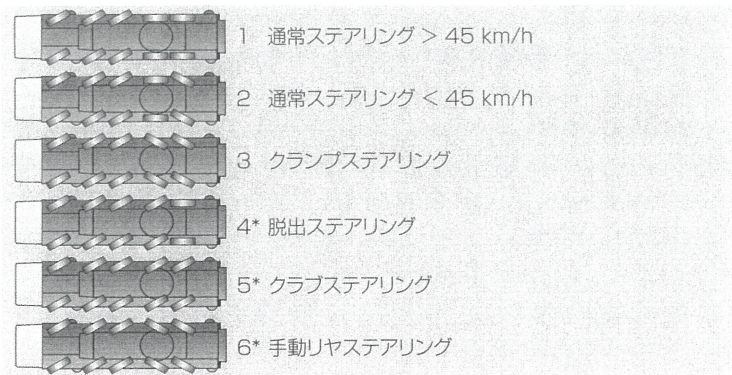
主要諸元（技術データ）



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 (12.5–59.8m) ^(※2)			
	35 s (-1.5°–82°) ^(※2)			

※2) 上記の作動速度は計算値です。

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

主要諸元

基本装備

キャリア

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 インターダブレイキ付 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イキ、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

キャリア運転室

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
パワーウィンドウ、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ー

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、引出式サンバイザー、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
巻上装置 捕巻

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
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
IC-1Plus(IC-1プラス)

ラジコン装置によるクレーン操作
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
HAVHY 21 m
HAVHY-VA 33 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
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
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)

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。

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。