



T.S.K. CRANE SERVICE CO.,LTD.

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Load Chart

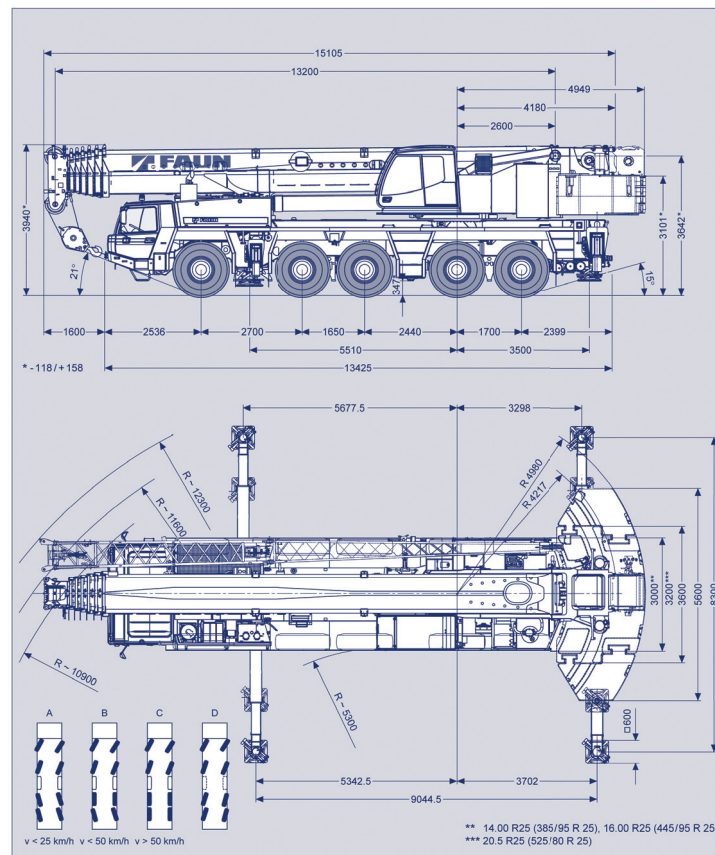


**FOR ALL TERRAIN CRANE 220 TONS
MODEL : TADANO FAUN ATF - 220G - 5**

CRANE SPECIFICATIONS

Max. Lifting Height	220 ton (220,000 kg.)	Working Radius 2.5 m.
Boom	Boom Section	7 Sections (13.2 m. - 68.0 m.)
	Length	13.2 / 17.4 / 21.6 / 25.8 / 30.0 / 34.1 / 38.3 / 42.5 / 46.7 / 50.9 / 55.0 / 59.2 / 63.4 / 68.0 m.
	Jib	5.4 / 13.2 / 19.2 / 25.2 / 31.2 / 37.2 m.
Dimensions	Length	15.874 m.
	Width	3.00 m.
	Height	3.94 m. (-118/+158)
Wire Rope	Main Winch	21 mm. X 320 m. (Diameter x Length) Spin - resistant wire rope
	Auxiliary Winch	21 mm. X 320 m. (Diameter x Length) Spin - resistant wire rope
Outriggers	Fully Hydraulic H-Type	Full extended width 8.3 m.
		Middle extended width 5.6 m.
Tires	Front	16.00 R25 (445/95 - R25)
	Rear	16.00 R25 (445/95 - R25)
Weights	Gross Vehicle Weight	Total 60,000 kg.
		Front 24,000 kg.
		Rear 36,000 kg.

DIMENSIONS (1/100)



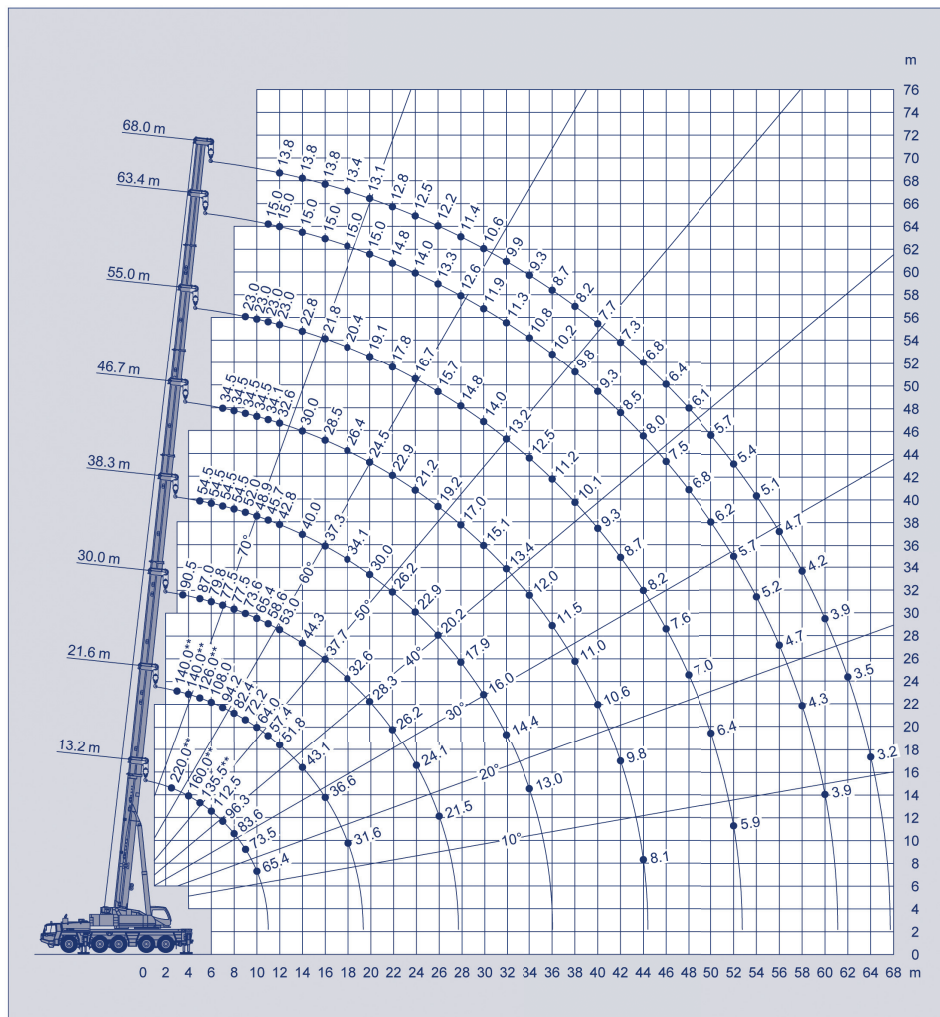


DIN/ISO/EN

	13.2 m*	13.2 m	17.4 m	21.6 m	25.8 m	30.0 m	34.1 m	38.3 m	42.5 m	46.7 m	50.9 m	55.0 m	59.2 m	63.4 m	68.0 m
2.5 m	220.0**														
3.0 m	180.0**	176.5**	140.0**	140.0**	114.0**										
3.5 m	169.5**	160.0**	140.0**	140.0**	114.0**	90.5									
4.0 m	160.0**	150.5**	140.0**	140.0**	108.5	90.5									
4.5 m	150.5**	138.0**	137.5**	136.5**	103.5	90.5	70.0								
5.0 m	135.5**	127.0**	126.5**	126.0**	103.0	87.0	70.0	54.5							
6.0 m	112.5	109.0	109.0	108.0	103.0	79.8	70.0	54.5	43.5						
7.0 m	96.3	95.5	95.1	94.2	94.9	77.5	66.2	54.5	43.5	34.5					
8.0 m	83.6	83.6	83.2	82.4	83.0	77.5	61.2	54.5	43.5	34.5	28.5				
9.0 m	73.5	73.5	73.1	72.2	72.8	73.6	58.0	52.0	43.4	34.5	28.5	23.0			
10.0 m	65.4	65.4	64.9	64.0	64.6	65.4	58.0	48.9	41.4	34.5	28.5	23.0	18.8		
11.0 m			58.2	57.4	57.9	58.6	56.7	45.7	39.4	34.1	28.5	23.0	18.8	15.0	
12.0 m			52.6	51.8	52.3	53.0	54.0	42.8	37.6	32.6	28.3	23.0	18.8	15.0	13.8
14.0 m			43.9	43.1	43.6	44.3	45.1	40.0	35.6	30.0	26.8	22.8	18.8	15.0	13.8
16.0 m				36.6	37.0	37.7	38.5	37.3	32.4	28.5	24.9	21.8	18.8	15.0	13.8
18.0 m				31.6	31.9	32.6	33.4	34.1	29.3	26.4	23.1	20.4	18.3	15.0	13.4
20.0 m					27.5	28.3	30.4	30.0	26.6	24.5	21.5	19.1	17.2	15.0	13.1
22.0 m					23.7	26.2	27.0	26.2	24.6	22.9	20.1	17.8	16.2	14.8	12.8
24.0 m						24.1	23.7	22.9	22.1	21.2	18.8	16.7	15.2	14.0	12.5
26.0 m						21.5	21.0	20.2	19.4	19.2	17.6	15.7	14.4	13.3	12.2
28.0 m							18.7	17.9	17.2	17.0	16.6	14.8	13.6	12.6	11.4
30.0 m							16.8	16.0	16.2	15.1	15.2	14.0	12.8	11.9	10.6
32.0 m								14.4	15.0	13.4	13.6	13.2	12.1	11.3	9.9
34.0 m								13.0	13.6	12.0	12.5	12.5	11.5	10.8	9.3
36.0 m									12.4	11.5	12.0	11.2	10.9	10.2	8.7
38.0 m									11.3	11.0	10.9	10.1	10.4	9.8	8.2
40.0 m										10.6	9.9	9.3	9.4	9.3	7.7
42.0 m										9.8	9.0	8.7	8.6	8.5	7.3
44.0 m										8.1	8.3	8.2	7.9	8.0	6.8
46.0 m											7.6	7.6	7.5	7.5	6.4
48.0 m											7.0	7.0	7.1	6.8	6.1
50.0 m												6.4	6.7	6.2	5.7
52.0 m												5.9	6.2	5.7	5.4
54.0 m													5.7	5.2	5.1
56.0 m													5.3	4.7	4.7
58.0 m														4.3	4.2
60.0 m														3.9	3.9
62.0 m															3.5
64.0 m															3.2

* Over rear / ** With additional lifting equipments

WORKING RADIUS - LIFTING HEIGHT



LIFTING HEIGHT (m)

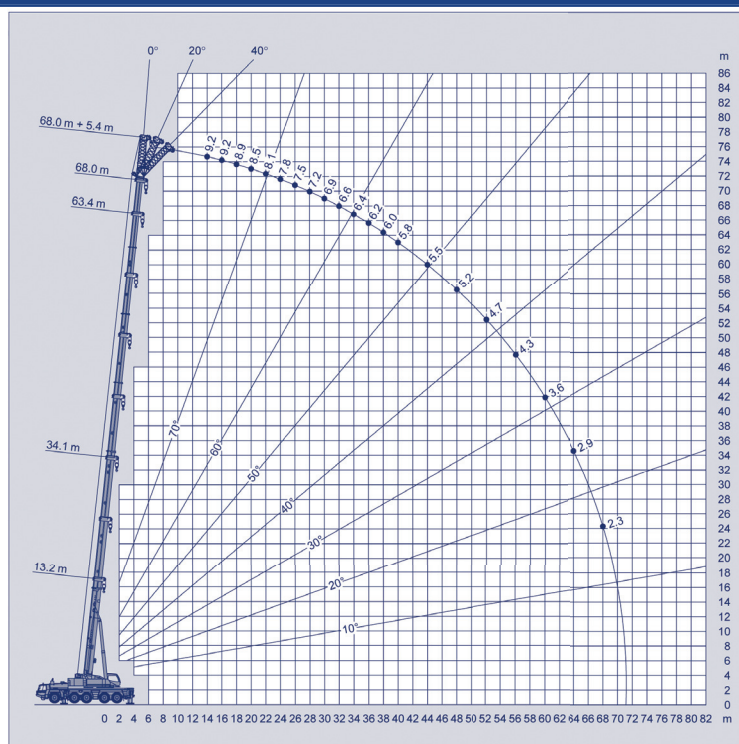
WORKING RADIUS (m)



DIN/ISO/EN

→ m	13.2m + 5.4m			34.1m + 5.4m			63.4m + 5.4m			68.0m + 5.4m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	47.5											
3.5	45.0	30.4										
4.0	42.6	29.4										
4.5	40.6	28.5										
5.0	38.7	27.6	22.2									
6.0	35.5	26.1	21.4	38.7								
7.0	32.8	24.8	20.7	38.7								
8.0	30.5	23.7	20.1	38.7	28.5							
9.0	28.5	22.7	19.6	38.7	27.7	21.5						
10.0	26.8	21.8	19.3	38.4	27.0	21.2						
11.0	25.2	21.1	18.7	36.4	26.3	20.9						
12.0	23.7	20.1	18.3	34.5	25.6	20.6						
14.0	20.7	18.5		31.2	24.5	20.1	10.9			9.2		
16.0	18.1			28.3	23.5	19.6	10.3	9.6	9.2	9.2	8.8	
18.0				25.9	22.6	19.2	9.8	9.1	8.8	8.9	8.4	8.1
20.0				23.8	21.8	18.9	9.3	8.7	8.4	8.5	8.0	7.7
22.0				22.0	21.1	18.5	8.9	8.3	8.1	8.1	7.7	7.4
24.0				20.4	20.1	18.1	8.5	8.0	7.7	7.8	7.4	7.1
26.0				18.0	18.5	17.9	8.1	7.7	7.4	7.5	7.1	6.9
28.0				15.8	16.2	16.3	7.8	7.5	7.2	7.2	6.9	6.7
30.0				13.9	14.2	14.3	7.5	7.2	7.0	6.9	6.6	6.5
32.0				12.3	12.5		7.2	7.0	6.8	6.6	6.4	6.3
34.0				10.9	11.1		7.0	6.7	6.6	6.4	6.2	6.1
36.0				9.7			6.7	6.5	6.4	6.2	6.0	5.9
38.0							6.5	6.3	6.2	6.0	5.8	5.7
40.0							6.3	6.1	6.0	5.8	5.6	5.5
44.0							6.0	5.8	5.7	5.5	5.3	5.2
48.0							5.4	5.4	5.4	5.2	5.1	5.0
52.0							4.9	4.9	4.9	4.7	4.7	4.7
56.0							4.3	4.4		4.3	4.3	4.3
60.0							3.6	3.6		3.6	3.6	
64.0							2.9			2.9	2.9	
68.0										2.3		

WORKING RADIUS - LIFTING HEIGHT



LIFTING HEIGHT (m)

WORKING RADIUS (m)





DIN/ISO/EN

m	68.0 m • 13.2 m			68.0 m • 19.2 m			68.0 m • 25.2 m			68.0 m • 31.2 m			68.0 m • 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
14.0	5.9														
16.0	5.9			4.6											
18.0	5.9			4.6											
20.0	5.9	5.9		4.6			3.6			2.8			2.3		
22.0	5.9	5.9		4.6			3.6			2.8			2.3		
24.0	5.9	5.8	5.4	4.6	4.6		3.6			2.8			2.3		
26.0	5.9	5.6	5.2	4.6	4.6		3.6			2.8			2.3		
28.0	5.9	5.4	5.0	4.6	4.4		3.6	3.6		2.8			2.3		
30.0	5.7	5.2	4.9	4.6	4.3	3.9	3.6	3.6		2.8			2.3		
32.0	5.5	5.0	4.7	4.6	4.1	3.8	3.6	3.4		2.8			2.3		
34.0	5.3	4.8	4.6	4.5	4.0	3.7	3.6	3.3		2.8	2.7		2.3		
36.0	5.2	4.7	4.5	4.3	3.9	3.6	3.6	3.2	3.0	2.8	2.6		2.3		
38.0	5.0	4.5	4.3	4.2	3.8	3.5	3.5	3.1	2.9	2.8	2.6		2.3		
40.0	4.8	4.4	4.2	4.0	3.6	3.4	3.4	3.0	2.8	2.8	2.5		2.3		
44.0	4.5	4.2	4.0	3.8	3.4	3.2	3.2	2.8	2.6	2.7	2.3	2.1	2.2		
48.0	4.3	4.0	3.8	3.6	3.2	3.1	3.0	2.7	2.5	2.5	2.2	2.0	2.1		
52.0	4.0	3.8	3.7	3.4	3.1	2.9	2.8	2.5	2.4	2.3	2.0	1.9	1.9		
56.0	3.8	3.6	3.5	3.2	2.9	2.8	2.6	2.4	2.3	2.1	1.9	1.8	1.8		
60.0	3.6	3.5	3.4	3.0	2.8	2.7	2.5	2.2	2.2	2.0	1.8	1.7	1.7		
64.0	3.2	3.3	3.3	2.9	2.7	2.6	2.4	2.1	2.1	1.9	1.7	1.6	1.5		
68.0	2.7	2.9		2.7	2.6	2.5	2.3	2.1	2.0	1.8	1.6	1.5	1.4		
72.0	2.2	2.3		2.4	2.5	2.5	2.1	2.0	1.9	1.7	1.5	1.4	1.3		
76.0	1.7	1.8		1.9	2.1		1.9	1.9	1.8	1.6	1.4	1.3			
80.0				1.5	1.6		1.5	1.8		1.4	1.3				
84.0								1.4							

* Graph A



DIN/ISO/EN

m	63.4 m • 13.2 m			63.4 m • 19.2 m			63.4 m • 25.2 m			63.4 m • 31.2 m			63.4 m • 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
14.0	6.8			5.2											
16.0	6.8			5.2			4.0			3.2					
18.0	6.8			5.2			4.0			3.2			2.5		
20.0	6.8	6.7		5.2			4.0			3.2			2.5		
22.0	6.8	6.4		5.2	5.2		4.0			3.2			2.5		
24.0	6.8	6.2	5.7	5.2	5.1		4.0			3.2			2.5		
26.0	6.7	6.0	5.5	5.2	4.9		4.0	4.0		3.2			2.5		
28.0	6.4	5.8	5.4	5.2	4.7		4.0	3.9		3.2			2.5		
30.0	6.2	5.6	5.2	5.2	4.5	4.2	4.0	3.8		3.2	3.0		2.5		
32.0	5.9	5.4	5.0	5.0	4.4	4.1	4.0	3.6		3.2	3.0		2.5		
34.0	5.7	5.2	4.9	4.8	4.3	3.9	4.0	3.5	3.2	3.2	2.9		2.5	2.1	
36.0	5.5	5.0	4.8	4.6	4.1	3.8	3.9	3.4	3.1	3.2	2.8		2.5	2.1	
38.0	5.4	4.9	4.6	4.5	4.0	3.7	3.8	3.3	3.0	3.2	2.7		2.4	2.0	
40.0	5.2	4.7	4.5	4.3	3.9	3.6	3.7	3.2	3.0	3.1	2.6	2.4	2.4	2.0	
44.0	4.9	4.5	4.3	4.1	3.7	3.4	3.4	3.0	2.8	2.8	2.4	2.3	2.3	1.9	
48.0	4.6	4.3	4.1	3.8	3.5	3.3	3.2	2.8	2.7	2.7	2.3	2.1	2.2	1.8	
52.0	4.4	4.1	4.0	3.6	3.3	3.2	3.0	2.7	2.5	2.5	2.2	2.0	2.1	1.7	
56.0	4.0	3.9	3.9	3.5	3.1	3.0	2.8	2.6	2.4	2.3	2.0	1.9	1.9	1.6	
60.0	3.7	3.7	3.6	3.3	3.0	2.9	2.7	2.4	2.3	2.2	1.9	1.8	1.8	1.5	
64.0	3.4	3.4		3.0	2.9	2.8	2.6	2.3	2.2	2.0	1.8	1.7	1.7	1.4	
68.0	2.8	3.0		2.8	2.7	2.7	2.4	2.2	2.1	1.9	1.7	1.6	1.5	1.4	
72.0	2.3	2.4		2.4	2.5		2.2	2.1	2.0	1.8	1.6	1.5	1.4	1.3	
76.0				2.0	2.1		2.0	2.0		1.6	1.5	1.4	1.3		
80.0							1.7	1.9		1.5	1.4	1.3			
84.0							1.3	1.4		1.3	1.3				

* Graph A



DIN/ISO/EN

 m	34.1 m • 13.2 m			34.1 m • 19.2 m			34.1 m • 25.2 m			34.1 m • 31.2 m			34.1 m • 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
6.0	17.9														
7.0	17.2			13.1											
8.0	16.4			13.1			8.9								
9.0	15.8			13.1			8.9			5.7					
10.0	15.1			12.9			8.9			5.7			4.1		
11.0	14.5	10.4		12.6			8.9			5.7			4.1		
12.0	14.0	10.2		12.3			8.9			5.7			4.1		
14.0	13.0	9.6		11.6			8.8			5.7			4.1		
16.0	12.1	9.1	7.6	10.9	8.2		8.4			5.7			4.1		
18.0	11.4	8.7	7.3	10.3	7.8		7.9			5.7			4.1		
20.0	10.7	8.3	7.1	9.7	7.4	5.8	7.5	5.7		5.7			4.1		
22.0	10.1	8.0	6.9	9.1	7.1	5.6	7.1	5.4		5.4			4.1		
24.0	9.6	7.7	6.8	8.7	6.8	5.4	6.7	5.2		5.2	4.1		3.9		
26.0	9.1	7.5	6.6	8.2	6.5	5.2	6.3	5.0		5.0	3.9		3.8		
28.0	8.7	7.2	6.5	7.8	6.2	5.0	6.0	4.8	3.8	4.7	3.7		3.6		
30.0	8.3	7.0	6.4	7.5	5.9	4.9	5.7	4.6	3.7	4.5	3.6		3.4	2.8	
32.0	7.9	6.8	6.3	7.1	5.6	4.7	5.5	4.4	3.5	4.3	3.4	2.7	3.3	2.7	
34.0	7.6	6.7	6.3	6.8	5.4	4.6	5.2	4.2	3.4	4.1	3.3	2.6	3.2	2.6	
36.0	7.4	6.5	6.3	6.4	5.2	4.5	5.0	4.0	3.3	3.9	3.1	2.5	3.0	2.5	
38.0	7.1	6.4		6.0	4.9	4.4	4.8	3.8	3.2	3.8	2.9	2.4	2.9	2.4	1.8
40.0	6.9	6.3		5.7	4.8	4.3	4.5	3.6	3.1	3.6	2.8	2.3	2.8	2.2	1.8
44.0	6.7			5.1	4.5		4.0	3.4	3.0	3.2	2.6	2.2	2.6	2.0	1.6
48.0				4.6	4.3		3.6	3.1	2.9	2.8	2.4	2.1	2.3	1.8	1.5
52.0							3.2	2.9		2.5	2.2	2.0	2.0	1.7	1.4
56.0							2.9			2.3	2.0		1.8	1.5	1.4
60.0										2.0	1.9		1.6	1.4	1.3
64.0													1.5	1.3	
68.0													1.3		

* Graph B



DIN/ISO/EN

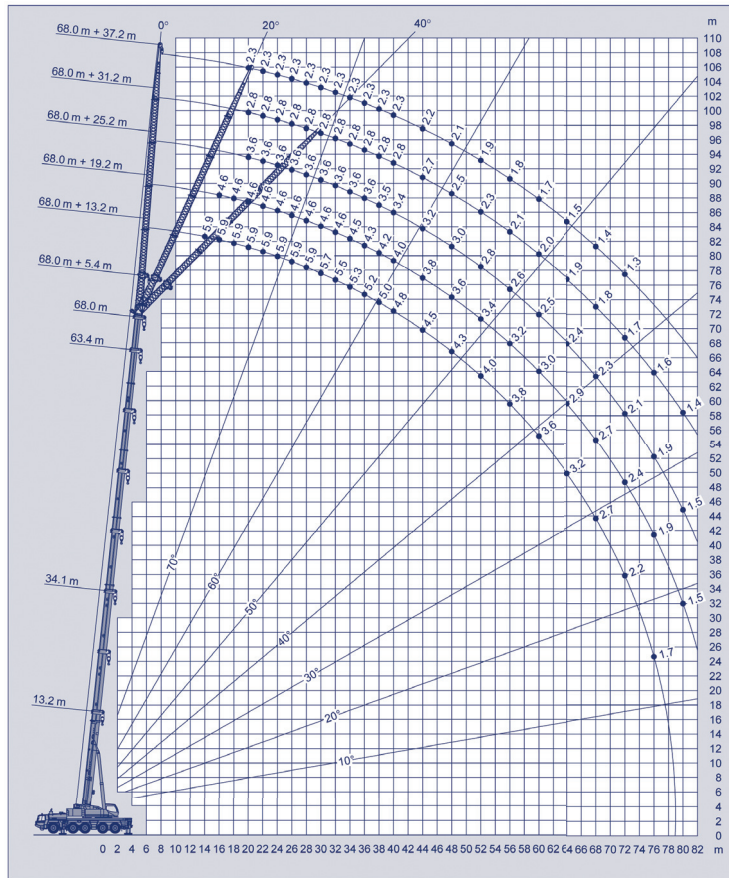
 m	13.2 m • 13.2 m			13.2 m • 19.2 m			13.2 m • 25.2 m			13.2 m • 31.2 m			13.2 m • 37.2 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	18.0														
3.5	18.0			16.0											
4.0	18.0			15.7			10.4								
4.5	17.4			15.4			10.4								
5.0	16.7			15.0			10.4			6.4					
6.0	15.4			14.3			10.4			6.4			4.6		
7.0	14.4	11.5		13.6			10.4			6.4			4.6		
8.0	13.4	10.9		13.0			10.4			6.4			4.6		
9.0	12.6	10.3		12.4			10.0			6.4			4.6		
10.0	11.9	9.8		11.7			9.5			6.4			4.6		
11.0	11.2	9.4		11.1	9.0		9.0			6.4			4.6		
12.0	10.6	9.0	7.9	10.5	8.6		8.6			6.4			4.6		
14.0	9.6	8.3	7.4	9.5	7.9		7.8			6.3			4.6		
16.0	8.8	7.8	7.1	8.7	7.1	5.9	7.1	6.0		5.8			4.5		
18.0	8.1	7.3	6.8	7.8	6.5	5.5	6.5	5.6		5.4			4.2		
20.0	7.5	6.9	6.7	7.0	5.9	5.2	6.0	5.0		5.0			4.0		
22.0	7.1	6.7		6.3	5.5	4.9	5.5	4.6		4.6	3.9		3.7		
24.0				5.7	5.1	4.6	4.9	4.2		4.3	3.6		3.5	3.1	
26.0				5.2	4.7	4.4	4.5	3.9	3.5	3.8	3.3		3.3	2.9	
28.0				4.7	4.5		4.1	3.6	3.3	3.5	3.0		3.1	2.6	
30.0							3.7	3.4	3.1	3.2	2.8		2.8	2.4	
32.0							3.4	3.2	3.0	2.9	2.6	2.4	2.5	2.2	
34.0							3.2	3.0		2.7	2.4	2.2	2.3	2.1	
36.0							2.9			2.5	2.3	2.1	2.1	1.9	1.7
38.0										2.3	2.2	2.0	2.0	1.8	1.6
40.0										2.1	2.0		1.8	1.7	1.5
44.0													1.5	1.5	1.4
48.0													1.3	1.3	

* Graph B

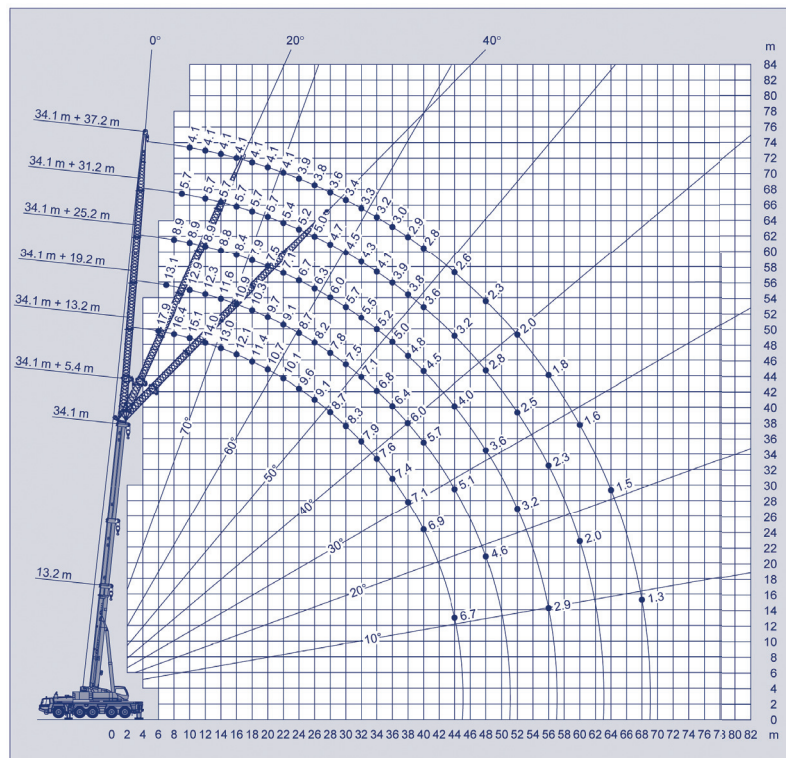


WORKING RADIUS - LIFTING HEIGHT

Graph A



Graph B



LIFTING HEIGHT (m)

WORKING RADIUS (m)

