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TÜV SÜD ISO 9001

01/X 11/e,sp/DS

TADANO FAUN

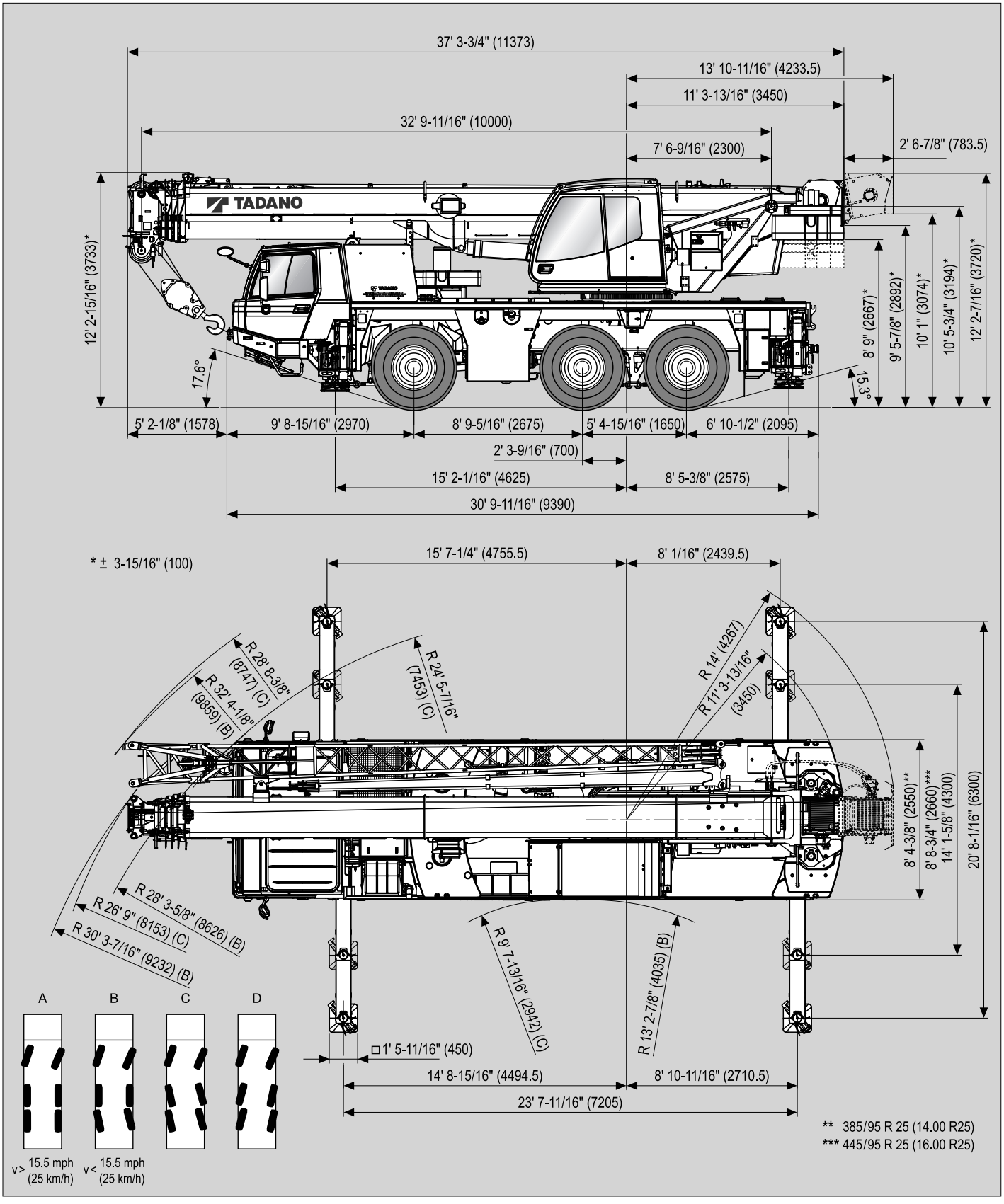
ALL-TERRAIN
ATF 50G-3

TADANO
BLUETEC

Dimensions (ft, mm) / Dimensiones (ft, mm)

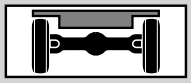
385/95 R 25
(14.00 R 25)

SAE

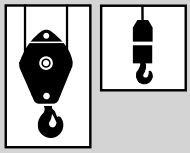


TADANO ATF 50G-3

Weights / Working speeds / Pesos / Velocidades de trabajo

	Axle Eje	1	2	3	Total weight Peso total
	[lbs]	26,455	26,455	26,455	79,365*

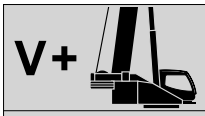
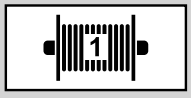
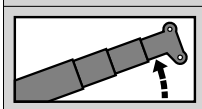
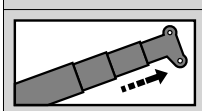
** Incl. 15,432 lbs counterweight, 29.5' (9 m) / 52.5' (16 m) boom extension, 35.3 ton hook block, 6.6 ton swivel hook, tyres 445/95 R 25 (16.00 R 25).*
** Incl. contrapeso de 7,0 t, 9 m / 16 m plumín, 32 t gancho, 6 t gancho de bola, neumáticos 445/95 R 25 (16.00 R 25).*



** Rams horn*
** Gancho doble*

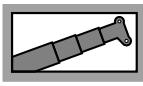
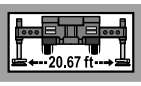
Lifting capacity Capacidad de elevación [tons]	Sheaves Poleas	Parts of line Ramales de cable	Weight Peso [lbs]
55.1 *	5	11	1,047
35.3	3	7	661
13.8	1	3	408
6.6	–	1	331

	1	2	3	4	5	6	7	8	9	10	11	12	R1	R2	
385/95 (14.00) mph	3.1	4.3	5.6	6.8	8.7	11.1	14.9	19.2	24.7	31.7	40.4	52.2	3.7	4.3	66%
445/95 (16.00) mph / 525/80 (20.5) mph	3.7	4.3	6.2	7.4	9.9	13.1	16.1	21.1	27.3	34.8	44.1	52.8	3.7	4.9	59%

	Infinitely variable Infinitamente variable		Rope Cable	Max. single line pull Trio máximo por ramal
	0 - 394 ft/min 0 - 120 m/min	single line ramal simple	0,63" / 558' 16 mm / 170 m	44 kN
	0 - 197 ft/min 0 - 60 m/min	single line ramal simple	0,63" / 558' 16 mm / 170 m	44 kN
	0 - 1.9 rpm			
	-2° – +83°	approx. 40 s aproximadamente 40 s		
	32' 9-11/16" – 131' 2-13/16" 10.0 m – 40.0 m	approx. 100 s aproximadamente 100 s		

TADANO ATF 50G-3

Lifting capacities / Capacidades de elevación

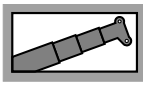
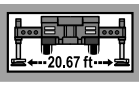



22,046 lbs **SAE**

ft	32.8 ft*	32.8 ft	45.1 ft	57.4 ft	69.7 ft	82.0 ft	94.3 ft	106.6 ft	118.9 ft	131.2 ft
8.2	110.0**									
9.8	100.1**	100.1**	66.1	66.1	44.1					
11.5	91.7	91.7	66.1	66.1	44.1	44.1				
13.1	84.7	84.7	66.1	66.1	44.1	44.1	38.8			
14.8	78.3	77.4	66.1	63.3	44.1	44.1	38.8			
16.4	72.3	70.1	66.1	59.3	44.1	44.1	37.9	28.2		
19.7	59.3	58.6	57.5	52.5	44.1	40.1	34.4	28.2	21.8	
23.0	49.2	49.2	47.8	47.2	41.7	36.4	31.5	27.3	21.8	16.5
26.2			43.2	44.1	38.6	33.3	28.9	25.4	21.8	16.5
29.5			35.9	36.6	35.5	30.4	26.7	23.4	20.9	16.5
32.8			30.4	30.9	31.3	28.0	24.7	21.8	19.4	16.5
36.1			26.2	26.7	26.9	24.5	22.9	20.3	18.1	16.1
39.4				23.4	23.4	20.9	20.9	19.0	17.0	15.2
45.9				18.1	18.5	17.9	16.5	16.5	15.0	13.4
52.5					14.8	15.2	13.7	13.4	13.4	11.9
59.1					12.3	12.6	12.1	10.8	11.2	10.8
65.6						10.6	10.6	9.5	9.0	9.3
72.2						8.8	9.0	8.4	7.5	7.7
78.7							7.7	7.5	6.2	6.6
85.3							6.6	6.6	5.1	5.5
91.9								5.7	4.2	4.4
98.4								5.1	3.5	3.7
105.0									2.6	3.1
111.5										2.4
118.1										1.8
124.7										

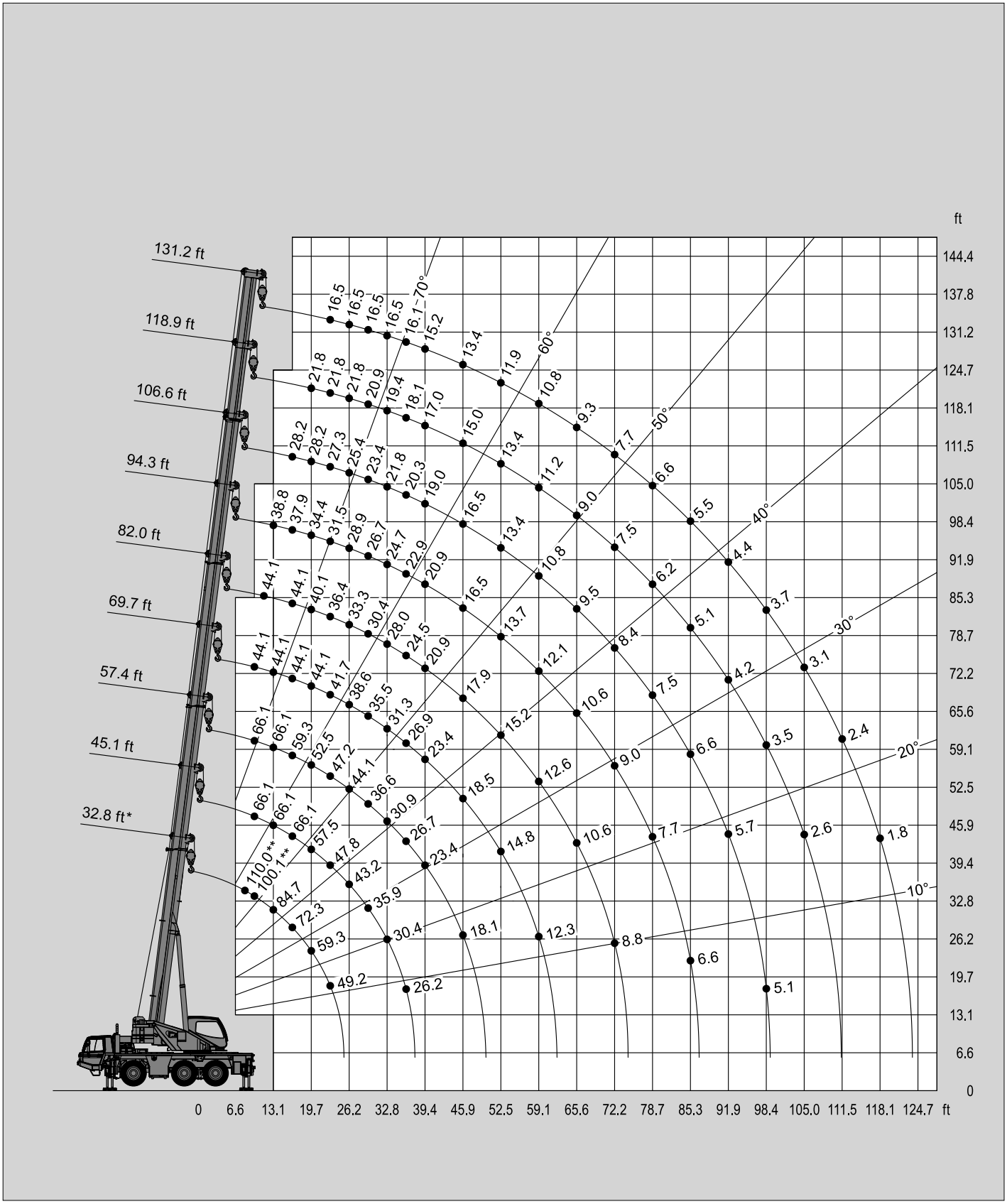
* *Over rear / * Sobre la parte trasera*
** *With additional lifting equipments / ** Con equipos adicionales*

Lifting heights / Alturas de elevación

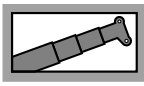
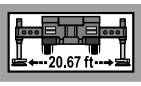
22,046 lbs

SAE



* Over rear / * Sobre la parte trasera
** With additional lifting equipments / ** Con equipos adicionales

Lifting capacities / Capacidades de elevación

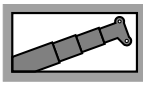
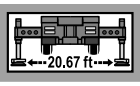



15,432 lbs **SAE**

ft	32.8 ft*	32.8 ft	45.1 ft	57.4 ft	69.7 ft	82.0 ft	94.3 ft	106.6 ft	118.9 ft	131.2 ft
8.2	110.0**									
9.8	100.1**	100.1**	66.1	66.1	44.1					
11.5	91.7	91.7	66.1	66.1	44.1	44.1				
13.1	84.7	83.6	66.1	66.1	44.1	44.1	38.8			
14.8	78.3	75.0	66.1	63.3	44.1	44.1	38.8			
16.4	70.3	67.9	66.1	59.3	44.1	44.1	37.9	28.2		
19.7	56.2	56.0	54.9	52.5	44.1	40.1	34.4	28.2	21.8	
23.0	45.4	45.0	44.1	44.1	41.7	36.4	31.5	27.3	21.8	16.5
26.2			37.9	38.4	38.4	33.3	28.9	25.4	21.8	16.5
29.5			30.9	31.5	32.0	28.9	26.7	23.4	20.9	16.5
32.8			26.2	26.9	27.3	24.5	24.3	21.8	19.4	16.5
36.1			22.5	23.1	23.1	21.6	21.2	20.3	18.1	16.1
39.4				20.1	20.5	20.1	18.3	18.5	17.0	15.2
45.9				15.7	16.1	16.1	15.4	14.6	14.6	13.4
52.5					13.0	13.0	13.0	12.1	11.5	11.7
59.1					10.4	10.6	10.8	10.6	9.3	9.5
65.6						8.6	9.0	8.8	7.5	7.7
72.2						7.3	7.5	7.5	6.2	6.4
78.7							6.2	6.4	4.9	5.1
85.3							5.3	5.3	3.7	4.0
91.9								4.6	2.9	3.1
98.4								4.0	2.2	2.4
105.0									1.5	1.8
111.5										1.3
118.1										

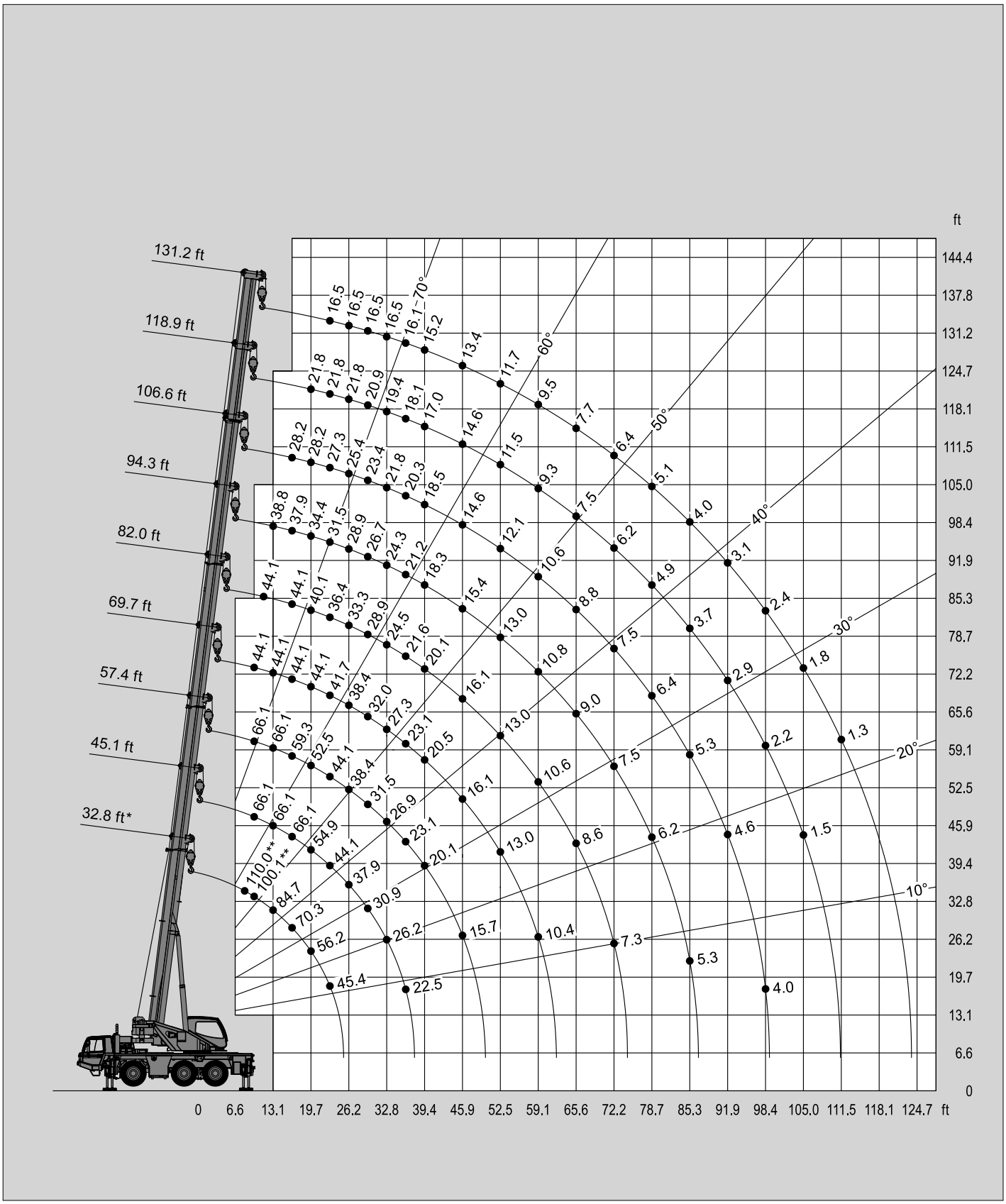
* *Over rear / * Sobre la parte trasera*
** *With additional lifting equipments / ** Con equipos adicionales*

Lifting heights / Alturas de elevación

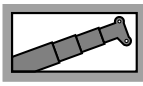
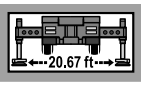
15,432 lbs

SAE



* Over rear / * Sobre la parte trasera
** With additional lifting equipments / ** Con equipos adicionales

Lifting capacities / Capacidades de elevación

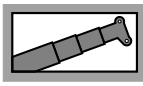
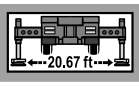



10,803 lbs **SAE**

ft	32.8 ft*	32.8 ft	45.1 ft	57.4 ft	69.7 ft	82.0 ft	94.3 ft	106.6 ft	118.9 ft	131.2 ft
8.2	110.0**									
9.8	100.1**	100.1**	66.1	66.1	44.1					
11.5	91.7	91.7	66.1	66.1	44.1	44.1				
13.1	84.7	81.3	66.1	66.1	44.1	44.1	38.8			
14.8	76.1	73.0	66.1	63.3	44.1	44.1	38.8			
16.4	66.8	65.9	64.8	59.3	44.1	44.1	37.9	28.2		
19.7	54.5	54.5	51.6	46.1	44.1	40.1	34.4	28.2	21.8	
23.0	41.4	41.0	41.9	42.1	40.8	35.1	31.5	27.3	21.8	16.5
26.2			33.5	34.2	34.6	30.0	28.7	25.4	21.8	16.5
29.5			27.6	28.2	28.7	25.6	25.1	23.4	20.9	16.5
32.8			22.9	23.8	24.3	23.1	21.6	20.9	19.4	16.5
36.1			19.6	20.3	20.5	20.5	18.7	18.5	18.1	16.1
39.4				17.4	17.9	17.9	17.4	16.1	16.1	15.2
45.9				13.4	13.7	13.9	13.9	13.7	12.3	12.8
52.5					10.6	11.0	11.0	11.2	9.5	9.9
59.1					8.6	8.8	9.0	9.0	7.5	7.7
65.6						7.3	7.3	7.5	5.7	6.2
72.2						5.7	6.2	6.2	4.4	4.6
78.7							4.9	5.1	3.3	3.5
85.3							4.0	4.2	2.4	2.6
91.9								3.3	1.8	2.0
98.4								2.6		1.3
105.0										

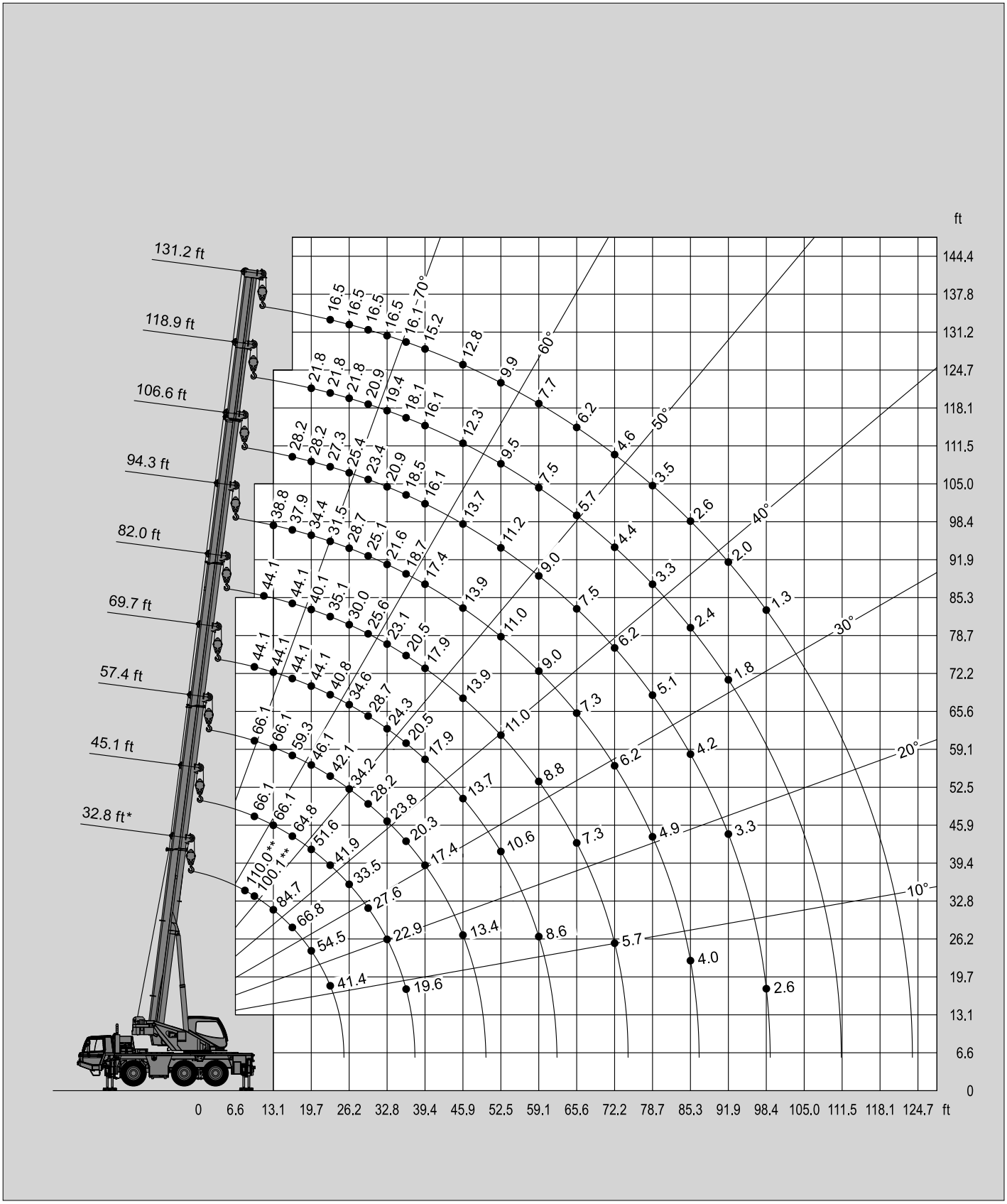
** Over rear / * Sobre la parte trasera*
*** With additional lifting equipments / ** Con equipos adicionales*

Lifting heights / Alturas de elevación

10,803 lbs

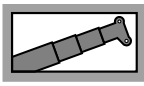
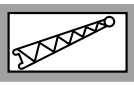
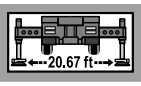
SAE



* Over rear / * Sobre la parte trasera

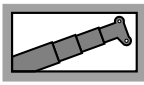
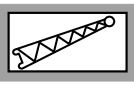
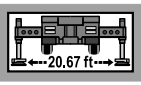
** With additional lifting equipments / ** Con equipos adicionales

Lifting capacities / Capacidades de elevación

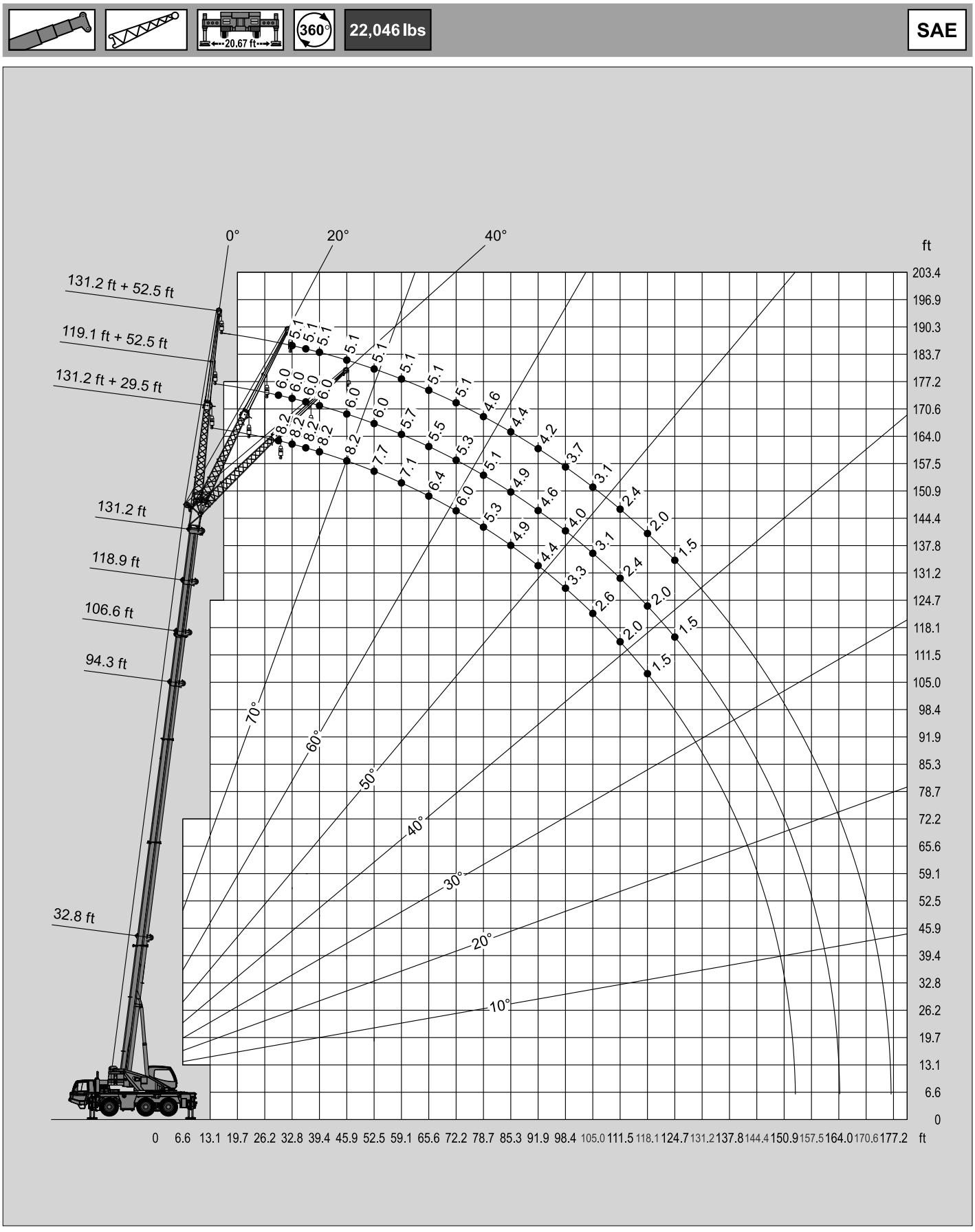
22,046 lbs **SAE**

ft	32.8 ft + 29.5 ft			106.6 ft + 29.5 ft			119.1 ft + 29.5 ft			131.2 ft + 29.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	19.4											
11.5	19.4											
13.1	19.4	14.1										
14.8	19.0	13.4										
16.4	17.9	13.0										
19.7	15.9	11.9		12.8								
23.0	14.3	11.0	9.3	12.8								
26.2	13.0	10.4	8.6	12.8			9.5					
29.5	11.9	9.7	8.4	12.8			9.5			8.2		
32.8	11.0	9.0	7.9	12.8	11.7		9.5			8.2		
36.1	10.1	8.6	7.7	12.6	11.2		9.5	9.5		8.2		
39.4	9.5	8.2	7.5	11.9	10.8	8.8	9.5	9.5		8.2	8.2	
45.9	8.2	7.5	7.1	11.0	10.1	8.4	9.5	8.8	8.2	8.2	7.7	7.5
52.5	7.1	6.8		9.9	9.5	8.2	8.8	8.2	7.7	7.7	7.3	7.1
59.1				9.0	8.8	7.9	7.9	7.7	7.3	7.1	6.8	6.6
65.6				8.2	8.2	7.7	7.3	7.1	6.8	6.4	6.4	6.2
72.2				7.1	7.5	7.5	6.6	6.6	6.6	6.0	6.0	5.7
78.7				6.0	6.6	6.6	6.0	6.2	6.2	5.3	5.5	5.5
85.3				5.1	5.5	5.7	5.3	5.5	5.7	4.9	5.1	5.1
91.9				4.2	4.6	4.9	4.2	4.9	5.1	4.4	4.4	4.6
98.4				3.1	3.7	4.0	3.3	4.0	4.2	3.3	3.7	4.2
105.0				2.4	2.9	2.9	2.6	2.9	3.1	2.6	3.1	3.3
111.5				2.0	2.2		2.0	2.4	2.4	2.0	2.4	2.6
118.1				1.3	1.5		1.5	1.8		1.5	1.8	2.0
124.7								1.3			1.3	

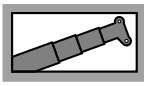
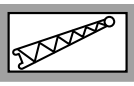
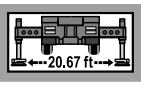




22,046 lbs **SAE**

ft	32.8 ft + 52.5 ft			106.6 ft + 52.5 ft			119.1 ft + 52.5 ft			131.2 ft + 52.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	9.7											
11.5	9.7											
13.1	9.7											
14.8	9.7											
16.4	9.7											
19.7	9.5											
23.0	8.8											
26.2	8.2			6.6								
29.5	7.7	6.2		6.6			6.0					
32.8	7.3	6.0		6.6			6.0			5.1		
36.1	6.8	5.7		6.6			6.0			5.1		
39.4	6.4	5.3		6.6			6.0			5.1		
45.9	5.7	4.9	4.2	6.6	5.3		6.0			5.1		
52.5	5.1	4.4	4.0	6.4	5.1		6.0	4.9		5.1	4.6	
59.1	4.4	4.0	3.5	6.0	4.9	4.2	5.7	4.6		5.1	4.6	
65.6	4.0	3.5	3.3	5.7	4.6	4.0	5.5	4.4	4.0	5.1	4.4	
72.2	3.5	3.3		5.5	4.4	3.7	5.3	4.4	3.7	5.1	4.2	3.7
78.7				5.1	4.2	3.7	5.1	4.2	3.7	4.6	4.2	3.7
85.3				4.9	4.0	3.5	4.9	4.0	3.5	4.4	4.0	3.5
91.9				4.6	4.0	3.5	4.6	4.0	3.5	4.2	3.7	3.5
98.4				4.0	3.7	3.5	4.0	3.7	3.3	3.7	3.7	3.3
105.0				3.1	3.7	3.3	3.1	3.5	3.3	3.1	3.5	3.3
111.5				2.6	3.1	3.3	2.4	3.1	3.3	2.4	3.1	3.3
118.1				2.0	2.6	2.9	2.0	2.6	2.9	2.0	2.6	3.1
124.7				1.5	2.0	2.2	1.5	2.0	2.4	1.5	2.0	2.4
131.2					1.5			1.5	1.8		1.5	2.0
137.8												1.3

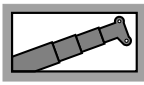
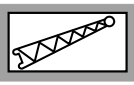
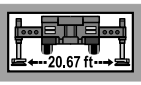

20.67 ft
360°
22,046 lbs
SAE
0°
20°
40°
ft
131.2 ft + 52.5 ft
119.1 ft + 52.5 ft
131.2 ft + 29.5 ft
131.2 ft
118.9 ft
106.6 ft
94.3 ft
32.8 ft
70°
60°
50°
40°
30°
20°
10°
203.4
196.9
190.3
183.7
177.2
170.6
164.0
157.5
150.9
144.4
137.8
131.2
124.7
118.1
111.5
105.0
98.4
91.9
85.3
78.7
72.2
65.6
59.1
52.5
45.9
39.4
32.8
26.2
19.7
13.1
6.6
0
0 6.6 13.1 19.7 26.2 32.8 39.4 45.9 52.5 59.1 65.6 72.2 78.7 85.3 91.9 98.4 105.0 111.5 118.1 124.7 131.2 137.8 144.4 150.9 157.5 164.0 170.6 177.2 ft

Lifting capacities / Capacidades de elevación

15,432 lbs **SAE**

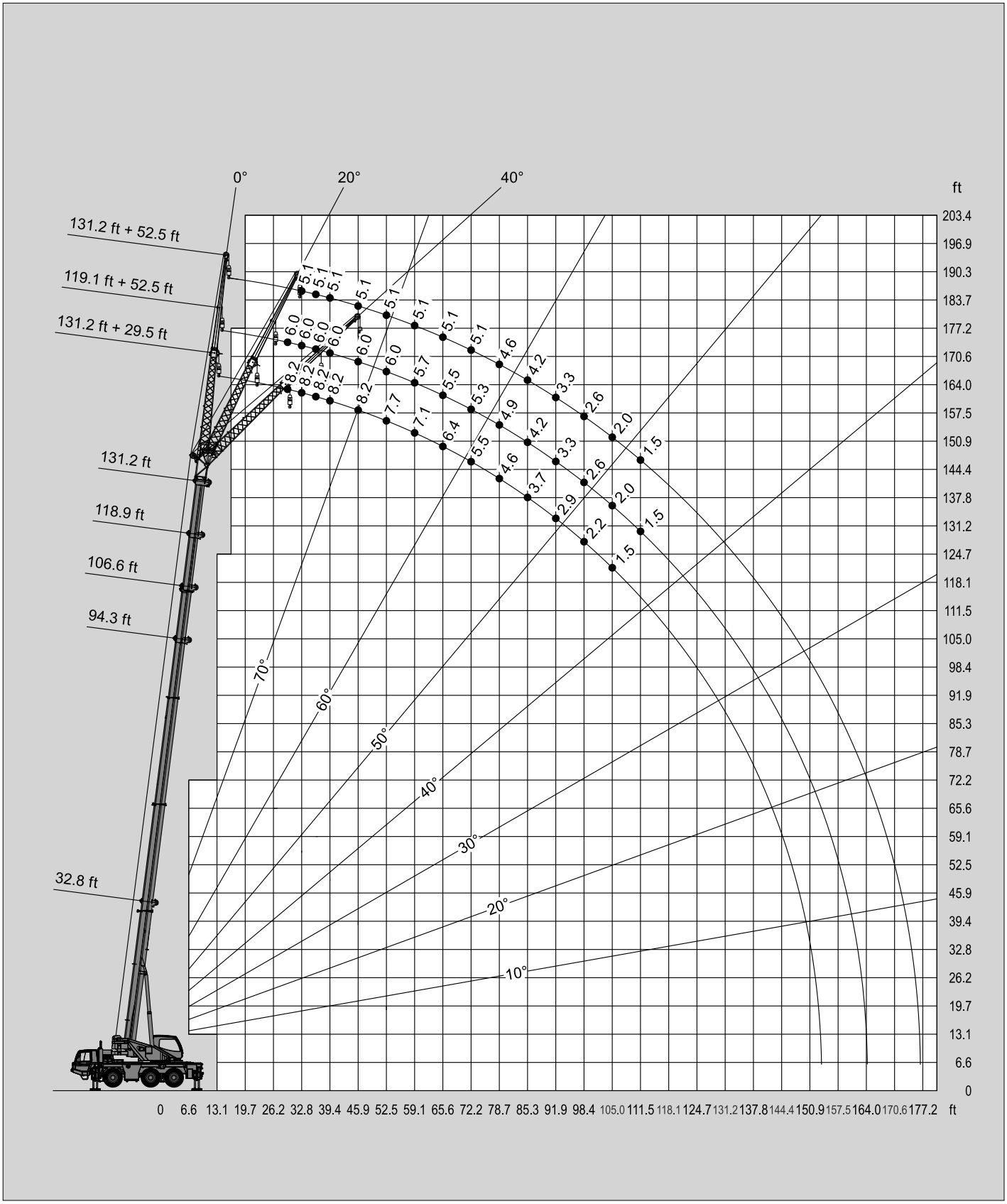
ft	32.8 ft + 29.5 ft			106.6 ft + 29.5 ft			119.1 ft + 29.5 ft			131.2 ft + 29.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	19.4											
11.5	19.4											
13.1	19.4	14.1										
14.8	19.0	13.4										
16.4	17.9	13.0										
19.7	15.9	11.9		12.8								
23.0	14.3	11.0	9.3	12.8								
26.2	13.0	10.4	8.6	12.8			9.5					
29.5	11.9	9.7	8.4	12.8			9.5			8.2		
32.8	11.0	9.0	7.9	12.8	11.7		9.5			8.2		
36.1	10.1	8.6	7.7	12.6	11.2		9.5	9.5		8.2		
39.4	9.5	8.2	7.5	11.9	10.8	8.8	9.5	9.5		8.2	8.2	
45.9	8.2	7.5	7.1	11.0	10.1	8.4	9.5	8.8	8.2	8.2	7.7	7.5
52.5	7.1	6.8		9.9	9.5	8.2	8.8	8.2	7.7	7.7	7.3	7.1
59.1				8.6	8.8	7.9	7.9	7.7	7.3	7.1	6.8	6.6
65.6				7.1	7.9	7.7	7.1	7.1	6.8	6.4	6.4	6.2
72.2				5.7	6.6	7.3	6.2	6.4	6.6	5.5	6.0	5.7
78.7				4.6	5.1	5.5	4.9	5.5	6.0	4.6	5.5	5.5
85.3				3.5	4.2	4.4	3.7	4.4	4.9	3.7	4.4	4.9
91.9				2.6	3.3	3.3	2.9	3.3	3.7	2.9	3.3	4.0
98.4				2.0	2.4	2.4	2.2	2.6	2.9	2.2	2.6	2.9
105.0				1.3	1.8	1.8	1.5	2.0	2.2	1.5	2.0	2.2
111.5								1.3	1.5		1.3	1.5

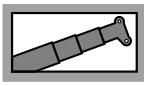
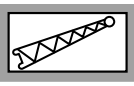
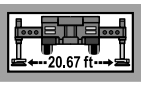
15,432 lbs **SAE**

ft	32.8 ft + 52.5 ft			106.6 ft + 52.5 ft			119.1 ft + 52.5 ft			131.2 ft + 52.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	9.7											
11.5	9.7											
13.1	9.7											
14.8	9.7											
16.4	9.7											
19.7	9.5											
23.0	8.8											
26.2	8.2			6.6								
29.5	7.7	6.2		6.6			6.0					
32.8	7.3	6.0		6.6			6.0			5.1		
36.1	6.8	5.7		6.6			6.0			5.1		
39.4	6.4	5.3		6.6			6.0			5.1		
45.9	5.7	4.9	4.2	6.6	5.3		6.0			5.1		
52.5	5.1	4.4	4.0	6.4	5.1		6.0	4.9		5.1	4.6	
59.1	4.4	4.0	3.5	6.0	4.9	4.2	5.7	4.6		5.1	4.6	
65.6	4.0	3.5	3.3	5.7	4.6	4.0	5.5	4.4	4.0	5.1	4.4	
72.2	3.5	3.3		5.5	4.4	3.7	5.3	4.4	3.7	5.1	4.2	3.7
78.7				4.9	4.2	3.7	4.9	4.2	3.7	4.6	4.2	3.7
85.3				4.2	4.0	3.5	4.2	4.0	3.5	4.2	4.0	3.5
91.9				3.3	4.0	3.5	3.3	4.0	3.5	3.3	3.7	3.5
98.4				2.6	3.5	3.5	2.6	3.7	3.3	2.6	3.3	3.3
105.0				2.0	2.6	3.3	2.0	2.6	3.3	2.0	2.6	3.1
111.5				1.5	2.2	2.4	1.5	2.2	2.6	1.5	2.2	2.6
118.1					1.5	2.0		1.5	2.0		1.5	2.0
124.7						1.3			1.5			1.5

Lifting heights / Alturas de elevación

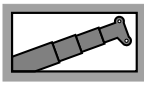
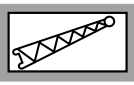
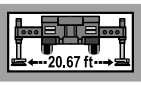


Lifting capacities / Capacidades de elevación

10,803 lbs **SAE**

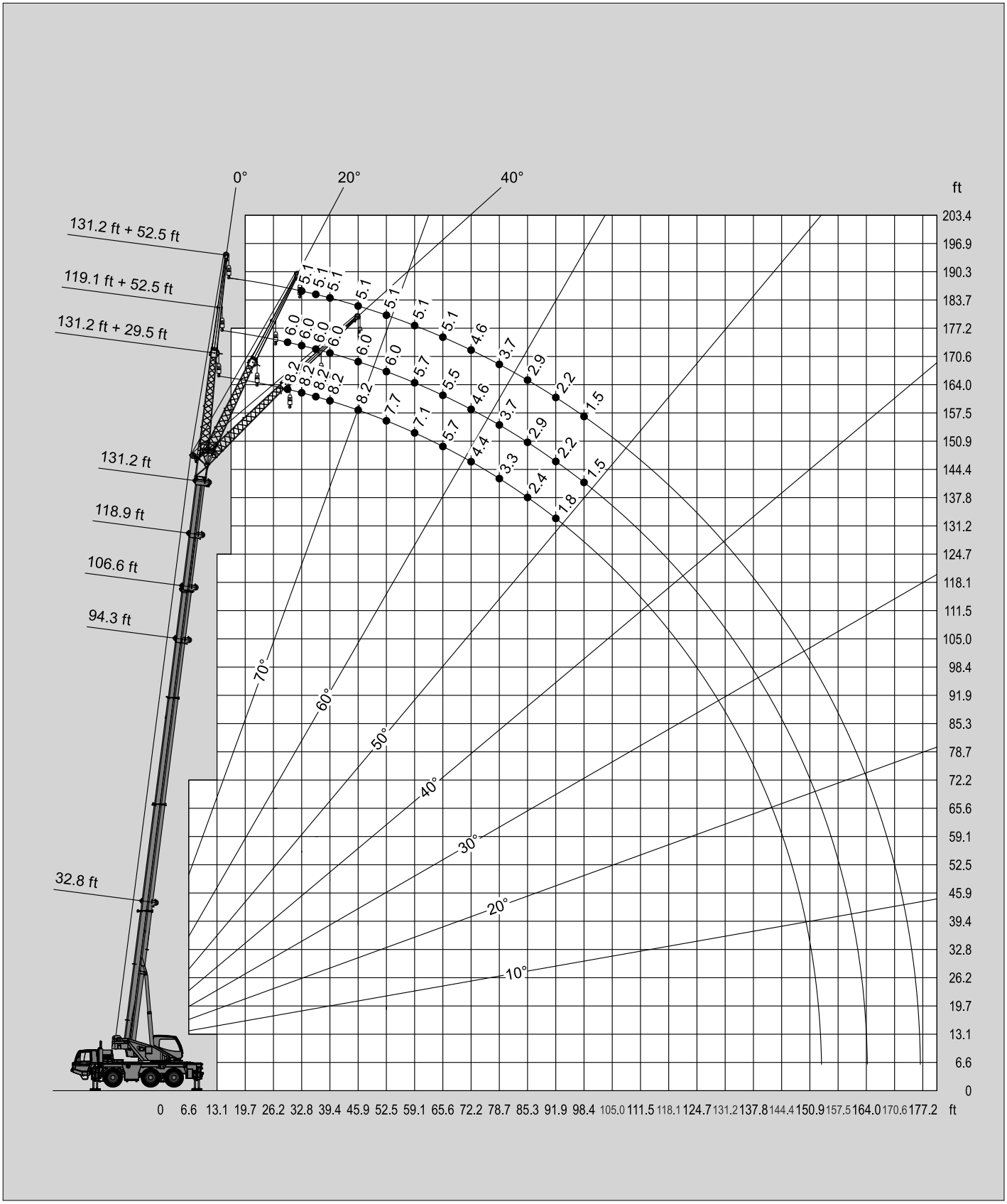
ft	32.8 ft + 29.5 ft			106.6 ft + 29.5 ft			119.1 ft + 29.5 ft			131.2 ft + 29.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	19.4											
11.5	19.4											
13.1	19.4	14.1										
14.8	19.0	13.4										
16.4	17.9	13.0										
19.7	15.9	11.9		12.8								
23.0	14.3	11.0	9.3	12.8								
26.2	13.0	10.4	8.6	12.8			9.5					
29.5	11.9	9.7	8.4	12.8			9.5			8.2		
32.8	11.0	9.0	7.9	12.8	11.7		9.5			8.2		
36.1	10.1	8.6	7.7	12.6	11.2		9.5	9.5		8.2		
39.4	9.5	8.2	7.5	11.9	10.8	8.8	9.5	9.5		8.2	8.2	
45.9	8.2	7.5	7.1	11.0	10.1	8.4	9.5	8.8	8.2	8.2	7.7	7.5
52.5	7.1	6.8		8.8	9.5	8.2	8.8	8.2	7.7	7.7	7.3	7.1
59.1				6.8	8.2	7.9	7.3	7.7	7.3	7.1	6.8	6.6
65.6				5.5	6.6	7.1	5.7	6.4	6.8	5.7	6.2	6.2
72.2				4.2	5.1	5.5	4.4	5.3	5.7	4.4	5.3	5.7
78.7				3.1	4.0	4.4	3.3	4.2	4.6	3.3	4.2	4.6
85.3				2.2	2.6	3.1	2.4	3.1	3.3	2.4	3.1	3.5
91.9				1.5	2.0	2.2	1.8	2.2	2.6	1.8	2.2	2.6
98.4					1.3	1.5		1.5	1.8		1.5	2.0
105.0												1.3

10,803 lbs **SAE**

ft	32.8 ft + 52.5 ft			106.6 ft + 52.5 ft			119.1 ft + 52.5 ft			131.2 ft + 52.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	9.7											
11.5	9.7											
13.1	9.7											
14.8	9.7											
16.4	9.7											
19.7	9.5											
23.0	8.8											
26.2	8.2			6.6								
29.5	7.7	6.2		6.6			6.0					
32.8	7.3	6.0		6.6			6.0			5.1		
36.1	6.8	5.7		6.6			6.0			5.1		
39.4	6.4	5.3		6.6			6.0			5.1		
45.9	5.7	4.9	4.2	6.6	5.3		6.0			5.1		
52.5	5.1	4.4	4.0	6.4	5.1		6.0	4.9		5.1	4.6	
59.1	4.4	4.0	3.5	6.0	4.9	4.2	5.7	4.6		5.1	4.6	
65.6	4.0	3.5	3.3	5.7	4.6	4.0	5.5	4.4	4.0	5.1	4.4	
72.2	3.5	3.3		4.9	4.4	3.7	4.6	4.4	3.7	4.6	4.2	3.7
78.7				4.0	4.2	3.7	3.7	4.2	3.7	3.7	4.2	3.7
85.3				3.1	4.0	3.5	2.9	4.0	3.5	2.9	4.0	3.5
91.9				2.2	3.1	3.5	2.2	3.1	3.5	2.2	3.1	3.5
98.4				1.8	2.4	3.1	1.5	2.4	3.1	1.5	2.4	3.1
105.0					1.8	2.2		1.8	2.4		1.8	2.4
111.5					1.3	1.8		1.3	1.8		1.3	1.8
118.1												1.3

Lifting heights / Alturas de elevación



Lifting capacities / Capacidades de elevación

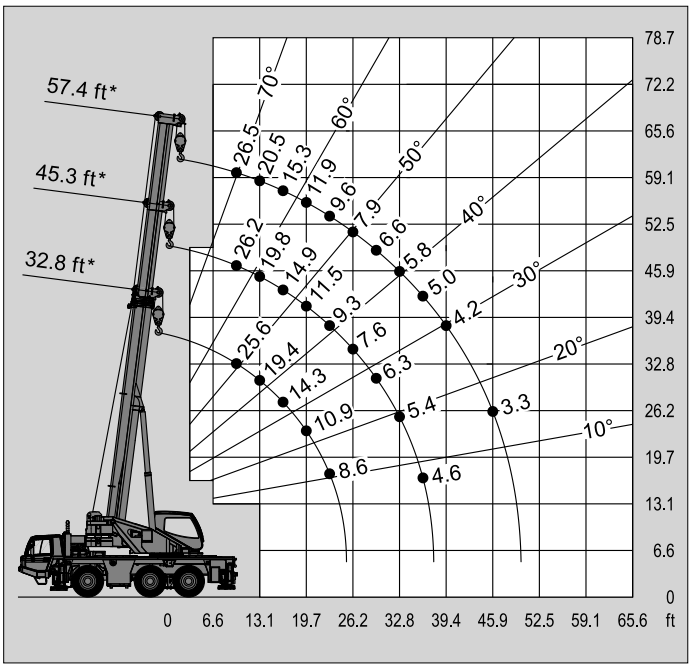
22,046 lbs — SAE

ft	32.8 ft*	45.3 ft*	57.4 ft*
9.8	25.6	26.2	26.5
11.5	22.7	23.1	23.6
13.1	19.4	19.8	20.5
14.8	17.0	17.6	17.9
16.4	14.3	14.9	15.3
19.7	10.9	11.5	11.9
23.0	8.6	9.3	9.6
26.2		7.6	7.9
29.5		6.3	6.6
32.8		5.4	5.8
36.1		4.6	5.0
39.4			4.2
45.9			3.3
52.5			

** Superstructure locked / * Bloqueo de superestructura*

Lifting heights / Alturas de elevación

22,046 lbs — SAE

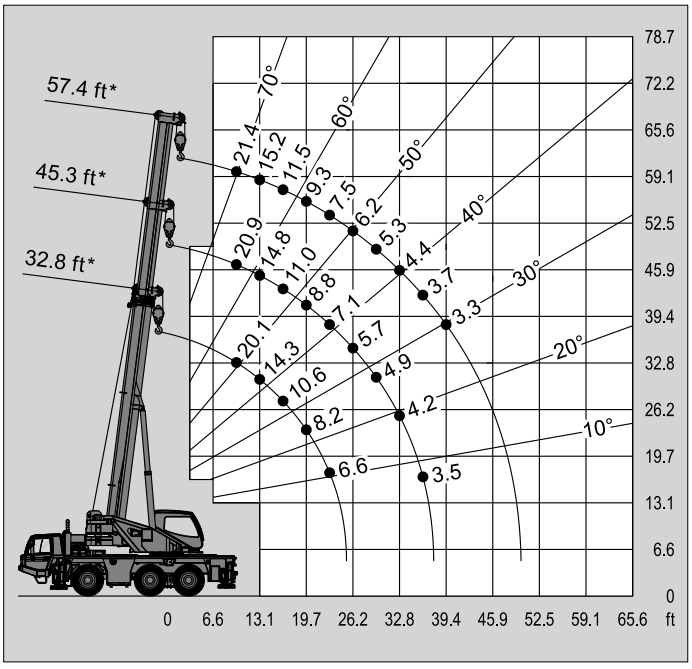


15,432 lbs — SAE

m	32.8 ft*	45.3 ft*	57.4 ft*
9.8	20.1	20.9	21.4
11.5	16.8	17.4	17.9
13.1	14.3	14.8	15.2
14.8	12.1	12.8	13.2
16.4	10.6	11.0	11.5
19.7	8.2	8.8	9.3
23.0	6.6	7.1	7.5
26.2		5.7	6.2
29.5		4.9	5.3
32.8		4.2	4.4
36.1		3.5	3.7
39.4			3.3
45.9			
52.5			

** Superstructure locked / * Bloqueo de superestructura*

15,432 lbs — SAE



TADANO

ATF 50G-3

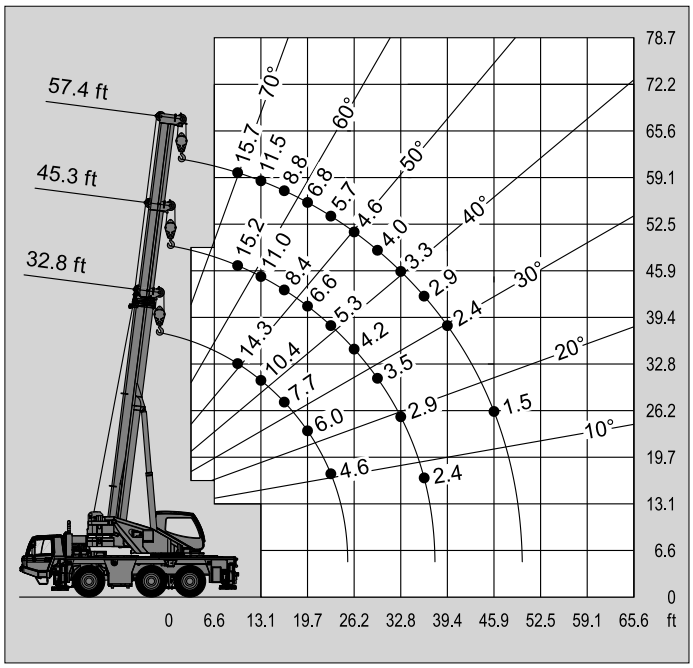
Lifting capacities / Capacidades de elevación

10,803 lbs | SAE

ft	32.8 ft	45.3 ft	57.4 ft
9.8	14.3	15.2	15.7
11.5	12.1	13.0	13.4
13.1	10.4	11.0	11.5
14.8	9.0	9.7	10.1
16.4	7.7	8.4	8.8
19.7	6.0	6.6	6.8
23.0	4.6	5.3	5.7
26.2		4.2	4.6
29.5		3.5	4.0
32.8		2.9	3.3
36.1		2.4	2.9
39.4			2.4
45.9			1.5
52.5			

Lifting heights / Alturas de elevación

10,803 lbs | SAE



WARNING AND OPERATING INSTRUCTIONS FOR LIFTING CAPACITIES ATF 50G-3

GENERAL

1. Total rated loads shown on the TADANO LOAD RATING CHARTS apply only to the machine as originally manufactured and normally equipped by TADANO. Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this machine must be in compliance with the information in the operation, safety and maintenance manual supplied with the machine. If this manual is missing, order replacement through the distributor.
3. The operator and other personnel associated with this machine shall fully acquaint themselves with the latest applicable American National Standards Institute (ANSI) safety standards for cranes.

SET UP

1. Total rated loads shown on the TADANO LOAD RATING CHARTS are the maximum allowable crane capacities and are based on the machine standing level on firm supporting surface under ideal job conditions. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats to spread the load to a larger bearing surface.
2. For on outrigger operation, outriggers shall be extended to the dimension according to the TADANO LOAD RATING CHARTS and secured by pins with tires free of supporting surface, before operating crane.
3. If counterweight is moved down from its stop during crane operation (indicator "counterweight center" goes out), crane slewing movement is switched off. Counterweight must raised again to its stop.

OPERATION

1. Total rated loads with outriggers fully extended do not exceed 85% of the tipping loads. Total rated loads with outriggers half extended are determined from the formula: total rated load = (tipping load - 0.1 tip reaction) / 1.25.
2. The crane's structural steelwork is in accordance with DIN 15018, part 3. Design and construction of the crane comply with DIN 15018, part 2 and with F.E.M regulations.
3. Total rated loads include the weight of the main hook block, auxiliary hook ball, sling and other auxiliary lifting devices and all their weights shall be subtracted from the listed capacities to obtain the net load to be lifted.

Hook ball / hook block [tons]	6.6	13.8		35.3				55.1				69.4
Number of sheaves	-	1		3				5				7
Number of rope falls	1	2	3	4	5	6	7	8	9	10	11	13*
Max. lifting capacity [tons]	4.7	9.6	13.8	18.8	23.3	27.8	31.9	36.3	40.2	44.4	48.2	55.0
Weight [lbs]	330	400		660				1060				1540

* For more than 11 rope falls additional lifting equipment is necessary, see operationmanual.

4. Total rated loads are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, operating speeds, side loads, etc. Side pull on boom or jib is extremely dangerous.
5. Total rated loads do not account for wind on lifted load or boom. Total rated loads and boom length shall be appropriately reduced, when wind velocity is above 22 mph (32 ft/sec).
6. Total rated loads at load radius shall not be exceeded. Do not tip the crane to determine allowable loads.
7. Do not operate at boom lengths beyond radii or boom angles where no capacities are shown. Crane may overturn without any load on the hook.
8. Slewing of the superstructure on tires is admissible only when the crane is equipped with 10.803 lbs counterweight at maximum.
9. The lifting capacity ratings specified in the TADANO LOAD RATING CHARTS apply to the telescopic boom without fly jib fixed in transport position or working position. If the fly jib is secured to the telescopic boom in transport position or working position, the lifting capacities of the telescopic boom are reduced by the values specified below. The weight of the fly jib (2000 lbs) is detected in terms of a load, and the load moment limiter will shut off earlier.

Load rating reduction for the telescopic boom with mounted fly jib									
	Telescopic boom length [ft]								
Position of the fly jib	32.8	45.3	57.4	69.9	82.0	94.5	106.6	119.1	131.2
	Load rading reduction [tons]								
29.5 ft / 52.5 ft fly jib, mounted in transport position	0.11	0.11	0.07	0.03	0.02	0.02	0.02	0.01	0.01
29.5 ft fly jib, mounted to boom head	2.97	2.33	1.96	1.73	1.57	1.06	0.86	0.81	0.77
52.5 ft fly jib, mounted to boom head	6.50	4.97	4.09	3.53	3.14	1.94	1.44	1.32	1.21

10. When making lifts at a load radius not shown, use the next longer radius to determine allowable capacity.
11. Load per rope fall should not exceed 10.100 lbf for the main winch and 10.100 lbf for the auxiliary winch.
12. Loaded boom angles are approximate. The boom angle before loading should be greater to account for deflection.
13. The 32.8 ft boom length capacities are based on the telescopic boom being fully retracted. If not fully retracted (less than 45.1 ft boom length), use the total rated loads for the 45.1 ft boom length according to the telescoping sequence.
14. Extension or retraction of the telescopic boom with loads may be attempted within the limits of the TADANO LOAD RATING CHARTS. The ability to telescope loads is limited by hydraulic pressure, boom angle, boom length, crane maintenance, etc.
15. When erecting or stowing the fly jib, be sure to retain it by hand or by other means to prevent its free movement.
16. Use the Anti-Two Block (OVERWIND CUTOUT) disable switch when erecting or stowing the fly jib and stowing the hook block. While the switch is pushed, the hoist will not stop, even when an overwind condition occurs.
17. The working radiuses specified in the TADANO LOAD RATING CHARTS for the fly jib apply only if the telescopic boom is extended according to the TADANO LOAD RATING CHARTS. If one or more elements of the telescopic boom are retracted partially or completely, the specified boom angles will be decisive in determining total rated lifting capacities.
18. When lifting a load by using the fly jib (auxiliary hoist) and telescopic boom (main hoist) simultaneously, do the following:
    A. Select the correct program for the load moment device in accordance with jib length, jib offset angle, counterweight and outrigger base.
    B. Before starting the operation, make sure that the weight of the load is within the total rated load for the fly jib.
19. Safe Load Indicator (S.L.I.)
    Before working with the telescopic boom or fly jib, make sure that the automatic safe load indicator is working properly. Before lifting the crane driver has to check the load for any lifting cycle. For working with telescopic boom or fly jib the automatic safe load indicator has to set to the correct automatic safe load indicator mode according to the existing crane working condition. The information shown at the automatic safe load indicator display gives permanent information for crane usage to the crane driver.
20. Working with Single Top
    Operation with the single top is allowed with the main winch and the auxiliary winch. The maximum allowed line pull for single top operation is 10.100 lbf. For operations with the single top mounted, select single rope fall and the correct S.L.I. code in accordance with existing counterweight and outrigger base. The maximum allowed capacity is limited by the selected S.L.I. code for main boom operation according to existing counterweight and outrigger base at one side and by the single line pull which is limited by hydraulic pressure at the other side. For operations with single top, the S.L.I. display indications for working radius and actual load are not absolutely exact, because the geometrical dimensions for the single top are not taken into account at boom geometry for the S.L.I. system.
    For operations with the single top mounted, use the TADANO LOAD RATING CHARTS for the telescopic boom in accordance with existing counterweight and outrigger base to find the total rated lifting capacity and also select the correct S.L.I. code for the telescopic boom in accordance with the existing counterweight and outrigger base. Find the total rated lifting capacity based on boom length and working radius. From that value, subtract 1,100 lbs and the weights of all lifting equipment used including hook block, sling and other auxiliary lifting devices.
    The result (<total rated lifting capacity> - <1,100 lbs> - <lifting equipment>) is the total rated lifting capacity for a single top lift.
21. Working with Auxiliary Winch
    The weight of the auxiliary winch is taken into account as a part of counterweight. Therefore the auxiliary winch must be always attached to the superstructure for crane working. In case that the auxiliary winch is disassembled from superstructure, the 2 counterweight pieces each with 0.44 tons have to be attached to the superstructure instead of auxiliary winch.

Definitions

Working Radius:	Horizontal distance from a projection of the axis of rotation to supporting surface before loading to the center of the vertical hoist line or tackle with load applied. The deflection of the boom due to its deadweight and the rated load are taken into account.
Loaded Boom Angle:	The angle between the boom base section and the horizontal, after lifting the total rated load at the working radius.
Working Area:	Area measured in a circular arc about the centerline of rotation.
Freely Suspended Load:	Load hanging free with no direct external force applied except by the hoist line.
Side Load:	Horizontal side force applied to the lifted load either on the ground or in the air.

WARNING AND OPERATING INSTRUCTIONS FOR ON TIRE CAPACITIES

1. Total rated lifting capacities on tires are in pounds and do not exceed 75% of tipping loads as determined by test in accordance with SAE J765.
2. Total rated lifting capacities shown in the TADANO LOAD RATING CHARTS are based on the condition that the crane is set on firm level supporting surfaces with suspension let down to block. They are based on actual load radius increased by tire deformation and boom deflection.
3. Total rated lifting capacities are based on proper tire inflation, capacity and condition. Damaged tires are hazardous to safe operation of the crane.
4. Tires shall be inflated to correct air pressure, acc. to tire size at carrier:

Tire	Air Pressure
385 / 95 R 25 (14.00 R 25)	145 psi (10 kg f/cm^2)
445 / 95 R 25 (16.00 R 25)	130 psi (9 kg f/cm^2)
525 / 80 R 25 (20.5 R 25)	100 psi (7 kg f/cm^2)

5. On tire lifting with "fly jib" is not permitted.
6. When making a lift on tires, set the parking brake.
7. Traveling with the load is permitted only if the following conditions exist:
   Machine is set on firm level supporting surface; tires inflated to specified pressure; boom must be centered over the rear of the machine; superstructure swing lock pin engaged; slewing brake engaged; maximum boom length not to exceed 57.4 ft; lifted load kept as close to the ground as possible and fastened to the chassis to prevent the lifted load from swinging or oscillating; travel slowly with a creeping speed not to exceed 1 mph; and especially avoid any abrupt steering, accelerating or braking.
   If possible, extend the outriggers and lower the outrigger floats to just above ground level.
8. Do no operate the crane while carrying the load.

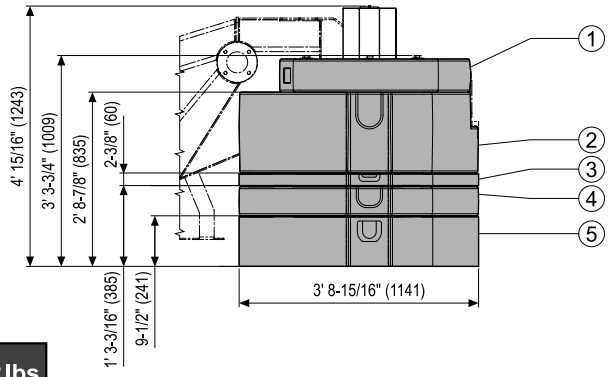
Safe Load Indicator

The Safe Load Indicator is intended as an aid to the operator. Under no condition should it be relied upon to replace use of TADANO LOAD RATING CHARTS and Operating Instructions. Sole reliance upon the Safe Load Indicator Aids in place of good operating practice can cause an accident. The operator must exercise caution to assure safety.

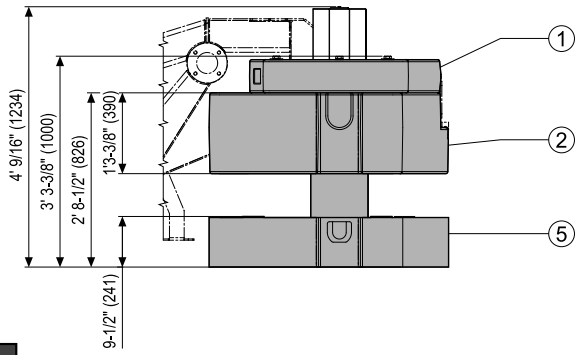
Counterweight versions / Variaciónes de contrapeso

	Counterweight Contrapeso	2 x	1 x	1 x	1 x	1 x
		①	②	③	④	⑤
	[lbs]	881.8	9,039	2,205	4,409	4,630

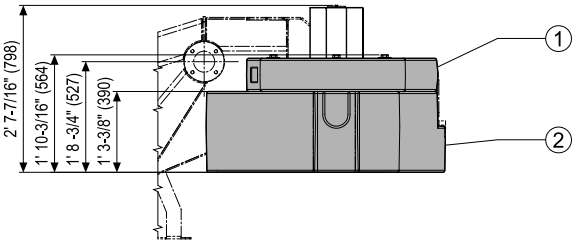
22,046 lbs

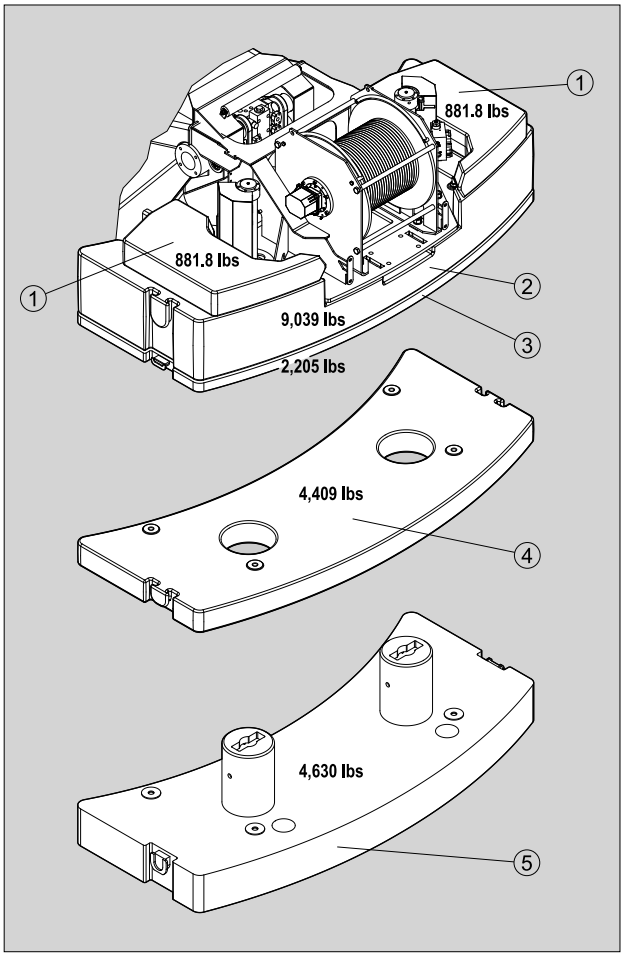


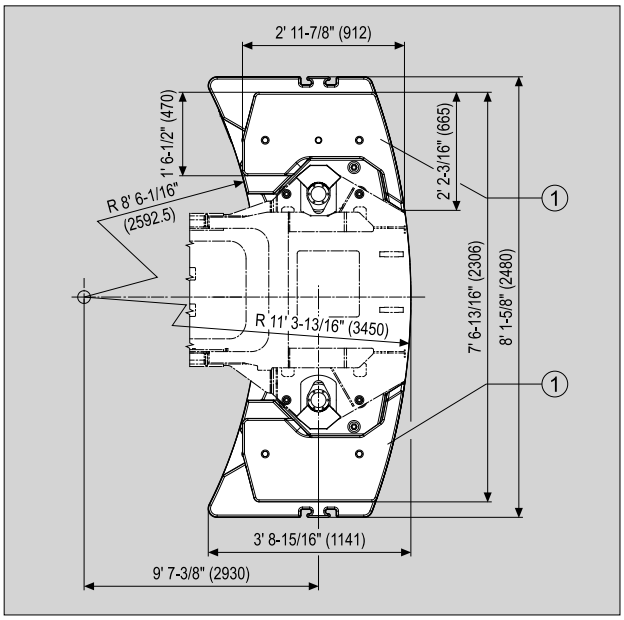
15,432 lbs

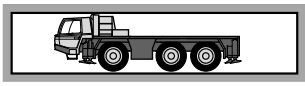


10,803 lbs









Frame Torsion resistant, welded construction made from high strength, fine-grained steel.

Outriggers 4 point, telescopic hydraulic outriggers with controls on both sides of carrier and in superstructure cab. Outrigger base 20' 8-1/16" (6.3 m) {14' 1-5/4" (4.3 m) mid extension} x 23' 7-7/16" (7.2 m).

Carrier engine Mercedes-Benz 6 cylinder model OM 926 LA (Euromot III B), water-cooled diesel engine. Rated at 326 hp (240 kW) at 2,200 rpm.
Torque 958.83 ft-lbs (1300 Nm / 132.5 kpm) at 1,300 - 1,600 rpm.
Engine rating according to 80 / 1269 / EWG.
Fuel tank 92.46 gal (350 l). AdBlue-tank 10.57 gal (40 l).

Transmission ZF-AS-Tronic 12 AS 2302 mechanical transmission with electro-pneumatically operated dry-type clutch and automatic gear shifting with 12 forward gears and 2 reverse gears.
Power / Economy mode.

Drive 6 x 6

Axles
1st axle: steered, driven.
2nd axle: steered, driven, with longitudinal differential lock.
3rd axle: steered, driven.
All driven axles with transverse differential locks.

Suspension Hydro-pneumatic with levelling adjustment.

Brake system Service brakes: dual circuit compressed air system with ABS. Parking brake: spring loaded type acting on 2st and 3rd axles. Auxiliary brakes: engine exhaust brake and constant throttle engine brake system.

Tyres (6) 385/95 R 25 (14.00 R 25), width 8' 4-3/8" (2.55 m).

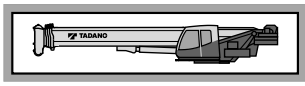
Steering system ZF Servocom dual circuit hydraulic steering, mechanical hydraulically-assisted steering of 1st axle and 3rd axle up to a travel speed of 15.5 mph (25 km/h), emergency steering pump. Steering of all axles possible.
All axles steered hydrostatically from superstructure cab.

Carrier cab Two man full width cab of composite (steel sheet metal and fibre-glass) structure, with safety glass, air-cushioned adjustable seats (driver seat with heater) and engine dependent hot-water heater, radio-CD-player, complete controls and instrumentation for road travel.
Speed control.

Electrical system 24 volt DC system, 2 batteries.
Electrical system conforms with EEC regulations.

Optional Equipment (at extra charge)
Towing attachment, eddy current retarder brake, engine independent additional heater with engine pre-heat, air conditioning, 445/95 R 25 (16.00 R 25) tyres, spare wheel and tyre, central lubricating system, special painting and lettering.

Further optional equipment available upon request.



Frame Torsion-resistant, all-welded structure of high strength steel. Connected to carrier by single-row ball-bearing slewing ring with external gearing for 360° continuous rotation.

Hydraulic system Three circuit diesel hydraulic system with 1 double axial piston pump (hydraulically adjustable) and 1 gear pump, oil cooler. Pumps driven by carrier engine rated at 277 hp (204 kW) at 1,500 rpm (DIN 6270B).

Controls Hydraulic, 2 joy-stick levers for simultaneous operation of crane motions.

Telescopic boom 5 sections, made of high tensile, fine-grained steel, consisting of 1 base section and 4 telescoping sections extended by means with two single telescopic cylinders and ropes. All telescope sections extendable under partial load. 32' 9-11/16" (10.0 m) to 131' 2-13/16" (40.0 m) long.

Derricking system 1 double acting hydraulic cylinder with integral brake and holding valve.

Main winch Axial piston motor, winch drum with integrated planetary reduction and with hydraulically controlled spring-loaded, multiple disc brake and with integrated free rotation (no sagging of load when hoisting).
Hoist cable with 'Super-Stop' easy reeving system.

Slewing system Axial piston motor with two-stage planetary reduction with a foot actuated service and a parking brake.
Speed infinitely variable 0 - 1.9 rpm.

Counterweight Standard 15,432 lbs divisible, assembled and disassembled by hydraulic cylinders controlled from superstructure cab.

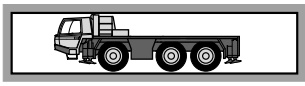
Superstructure cab Spacious panoramic cab of composite structure with safety (tinted) glass windows, tiltable cockpit with hydraulically cushioned adjustable seat, engine independent hot-water heater, radio-CD-player, complete controls and instrumentation for crane operation, on-site travelling and outriggers.

Electrical system 24 volt DC system, 2 batteries.

Safety devices Load moment device (LMD), working area display, hoist limit switch, lower limit switch, drum turn indicator, safety valves against pipe and hose rupture. Holding valves on hydraulic cylinders.

Optional Equipment (at extra charge)
Boom extensions 29.5' (9.0 m) to 52.5' (16.0 m), heavy duty jib 5.2' (1.6 m) additional counterweight 6,614 lbs, counterweight variations 10,803 lbs, 22,046 lbs, selection of hook blocks, air conditioning, working area limitation, additional oil cooler, central lubricating system, special painting and lettering.

Further optional equipment available upon request.



Chasis portante Construcción de acero de alta resistencia soldado, resistente a la torsión y a la flexión.

Estabilizadores Estabilizadores hidráulicos de 4 puntos. Posibilidad de manejo desde ambos lados del chasis portante y desde la cabina de la grúa. Extensión de los estabilizadores: 6,3 m (y 4,3 m) x 7,2 m.

Motor Mercedes-Benz modelo OM 926 LA (Euromot III B), 6 cilindros, diesel, refrigerado por agua.
Nominal 240 kW (326 CV) a 2200 min^{-1}.
Par 1300 Nm (132,5 kpm) a 1300 hasta 1600 min^{-1}.
Potencia del motor según 80 / 1269 / EWG.
Depósito de combustible de 350 l. Depósito AdBlue 40 l.

Transmisión Transmisión mecánica tipo ZF-AS Tronic modelo 12 AS 2302 con accionamiento electro - neumáticamente embrague en seco y cambio automático 12 marchas delanteras y 2 marchas traseras. Modo rendimiento máximo / económico.

Tracción 6 x 6

Ejes
1º eje: de dirección, accionado, con bloqueo diferencial transversal.
2º eje: de dirección, accionado, con bloqueo diferencial transversal y longitudinal.
3º eje: de dirección, accionado, con bloqueo diferencial transversal.

Suspensión Suspensión hidroneumática con regulación de nivel.

Sistemas de frenos Accionamiento neumático de doble circuito con sistema anti bloqueo ABS.
Freno de estacionamiento del tipo muelles cargados, liberados por aire, sobre los ejes 2º y 3º. Freno continuo: Freno de motor diesel en el escape.

Neumáticos 6 x 385/95 R 25 (14.00 R 25), ancho 2,55 m.

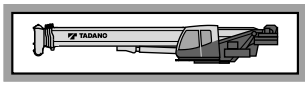
Dirección Hidráulica ZF Servocom de doble circuito. Dirección mecánica del 1º eje y direccionable del 3º eje (hasta una velocidad de 25 km/h), con bomba hidráulica de emergencia accionada por la transmisión. Dirección de todos los ejes posible. Desde la cabina de la superestructura: dirección hidro-estática de ambos ejes.

Cabina Cabina para dos personas, en construcción de acero y fibra de vidrio. Cristales de seguridad, asiento con suspensión neumática, asiento de conductor calefactado. Calefacción por agua caliente del motor, radio-CD-player. Elementos de control y manejo para circular por carretera. Regulador de velocidad.

Sistema eléctrico Sistema de 24 V c.c. con 2 baterias.
El sistema eléctrico cumple la normativa CEE.

Equipo adicional (con suplemento de precio)
Embrague de remolque, freno eléctrico, calefacción adicional con precalefacción del motor, climatización, neumáticos 445/95 R 25 (16.00 R 25), rueda de repuesto, sistema de engrase central, pintura especial e rotulación.

Otros equipamientos sobre pedido.



Superestructura Construida en aceros soldados, resistente a la torsión. Corona de giro con rodamiento de una fila de bolas con dientes externos para giro continuo de 360°.

Sistema hidráulico Sistema hidráulico de 3 circuitos, 1 bomba doble de pistones axiales (regulable hidráulicamente) y una bomba de ruedas dentadas, enfriador de aceite.
Las bombas están accionadas desde el motor del chassis.
Operación de la grúa: 204 kW (277 CV) a 1500 min^{-1}.
(DIN 6270B).

Mandos 2 palancas de control de tipo joy-stick para movimientos simultáneos de la grúa (4 direcciones), asistidos hidráulicamente.

Pluma telescópica 5 secciones, un tramo base y 4 telescópicos de acero de alta resistencia soldado con 2 cilindros telescópicos sencillos y cables, los tramos se pueden telescopar hidráulicamente bajo carga.
Longitud de 10,0 m a 40,0 m.

Elevación de pluma Mediante un cilindro hidráulico de doble efecto con válvula de retención integrada.

Cabrestante principal Motor hidráulico de pistones axiales y caudal fijo. Tambor del cabrestante con reducción planetaria y frenos de disco múltiples accionado, con sistema libre de elevación. Cable de elevación con sistema fácil de guiado 'Super-Stop'.

Sistema de giro Motor hidráulico de pistones axiales con reducción planetária de dos etapas. Freno de servicio controlado por pedal y freno de estacionamiento. Velocidad de giro variable de 0 - 1,9 min^{-1}.

Contrapeso El estándar 7 t divisible, accionado desde la cabina de la grúa.

Cabina de la grúa Cabina espaciosa y confortable, en construcción de acero y fibra de vidrio, con cristales tintados de seguridad. Asiento de operador regulable amortiguado hidráulicamente, inclinable junto con los instrumentos y mandos, asiento calefactado. Calefacción por agua caliente independiente del motor, radio-CD-player. Elementos de control y mando para el manejo de la grúa y para el desplazamiento en obra. Mandos para nivelación y extensión de los estabilizadores.

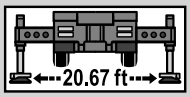
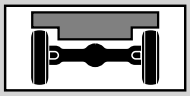
Sistema eléctrico Sistema de 24 V c.c. con 2 baterias.

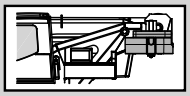
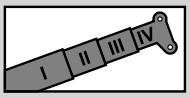
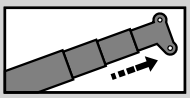
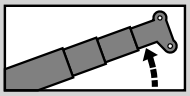
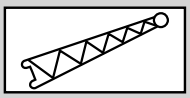
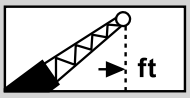
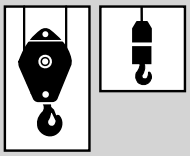
Medidas de seguridad Limitación del momento de carga (LMC), limitación del área de trabajo, interruptor de final de elevación, interruptor de 3 últimas vueltas en cabrestante, indicador de bajada o subida del cable del cabrestante, válvulas de seguridad para rotura de tubos y latiguillos. Válvulas de retencón en los cilindros hidráulicos.

Equipo adicional (con suplemento de precio)
Plumín de 9,0 m / 16,0 m, plumín de carga pesada de 1,6 m, contrapeso adicional de 3 t, variantes de contrapeso 4,9 t / 10 t, selección de ganchos, climatización, limitación del área de trabajo y limitador de giro, enfriador adicional, sistema de engrase central, pintura especial e rotulación.

Otros equipamientos sobre pedido.

Symbols / Glosario de simbolos

SAE	As on Page 18 Véase la pagina 18
	Outriggers Estabilizadores
	Transmission / Gear Transmisión / Marchas
	Axle load Carga por eje
 385/95 (14.00)	Tyres / Size Neumáticos / Tamaño de ruedas
V+	Speeds Velocidades
	Gradeability Superacion de pendientes
360°	Slewing system Sistema de giro
22,046 lbs	Counterweight Contrapeso
	Over rear Sobre la parte trasera

	Counterweight versions Variaciónes de contrapeso
	Telescopic boom Pluma telescópica
	Boom telescoping Telescopaje de pluma
	Derricking system Elevación de pluma
	Radius Radio
	Boom extension Plumín
	Radius Radio
	Main winch Cabrestante principal
	Auxiliary winch 2º cabrestante
	Hook block / Swivel hook Gancho / Gancho de bola

Notes / Notas