



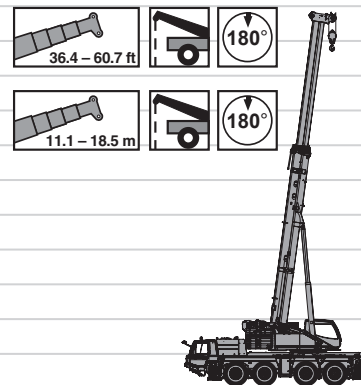
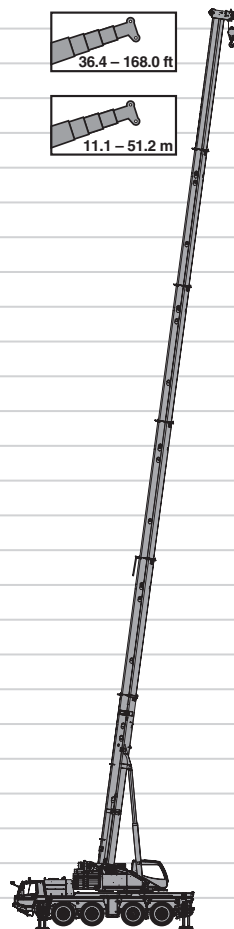
## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

General · Généralités · Generalidades

Boom systems · Systèmes de flèche · Sistema de pluma

ft / m  
 295.3 / 90  
 288.7 / 88  
 282.2 / 86  
 275.6 / 84  
 269.0 / 82  
 262.5 / 80  
 255.9 / 78  
 249.3 / 76  
 242.8 / 74  
 236.2 / 72  
 229.7 / 70  
 223.1 / 68  
 216.5 / 66  
 210.0 / 64  
 203.4 / 62  
 196.9 / 60  
 190.3 / 58  
 183.7 / 56  
 177.2 / 54  
 170.6 / 52  
 164.0 / 50  
 157.5 / 48  
 150.9 / 46  
 144.4 / 44  
 137.8 / 42  
 131.2 / 40  
 124.7 / 38  
 118.1 / 36  
 111.5 / 34  
 105.0 / 32  
 98.4 / 30  
 91.9 / 28  
 85.3 / 26  
 78.7 / 24  
 72.2 / 22  
 65.6 / 20  
 59.1 / 18  
 52.5 / 16  
 45.9 / 14  
 39.4 / 12  
 32.8 / 10  
 26.2 / 8  
 19.7 / 6  
 13.1 / 4  
 6.6 / 2  
 0 / 0

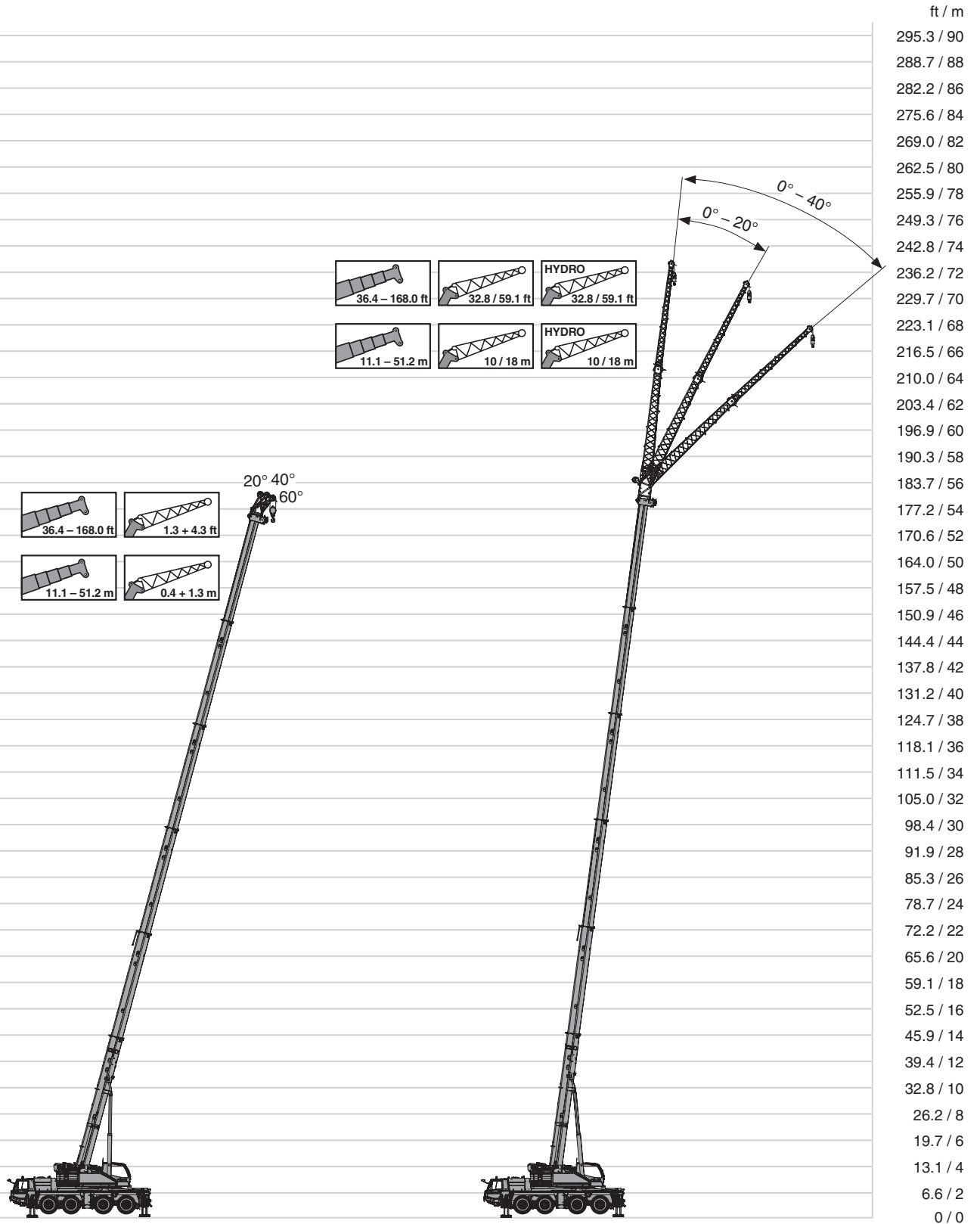


# STERLING CRANE



LIFTING CHARTS - All Terrain Cranes

TADANO MODEL ATF100G-4 - 110 TON CAPACITY





## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso






#### Main boom · Flèche principale · Pluma principal

	-1° – 82.4°	~ 30 s
	36.4 ft – 168.0 ft 11.1 m – 51.2 m	~ 310 s






#### Swing mechanism · Groupe de rotation · Mecanismo de giro

	0 – 2 min <sup>-1</sup>		0° / 180°
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#### Winches · Treuils · Cabrestantes

			
	0 – 377 ft/min 0 – 115 m/min	0.71 in / 754.6 ft 18 mm / 230 m	12,365 lbs / 55 kN
	0 – 377 ft/min 0 – 115 m/min	0.71 in / 754.6 ft 18 mm / 230 m	12,365 lbs / 55 kN

#### Hook blocks · Moufles · Pastecas de carga

				
110.2 US t* / 100 t*	220,462 / 100	9	19	2,205 / 1000
69.4 US t* / 63 t*	130,293 / 59.1	5	11	1,433 / 650
44.1 US t* / 40 t*	83,996 / 38.1	3	7	1,213 / 550
44.1 US t / 40 t	83,996 / 38.1	3	7	1,213 / 550
22.0 US t / 20 t	36,376 / 16.5	1	3	661 / 300
6.6 US t / 6 t	12,346 / 5.6	-	1	386 / 175

\* Twin hook · Moufle avec crochet marin · Gancho doble



# STERLING CRANE

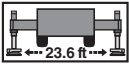
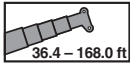


## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso

Lifting capacities · Charges de levage · Cargas

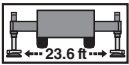
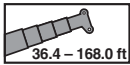


49,604 lbs

ASME

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	179.9**	167.8**	143.3	143.3									
11.5	164.5**	154.1	143.3	143.3	110.2								
13.1	150.6	141.3	140.0	135.4	110.2	91.0							
14.8	138.2	130.1	129.0	125.0	110.2	91.0							
16.4	127.4	120.4	119.0	116.2	110.2	86.4	69.7						
19.7	110.2	104.1	102.7	103.2	101.2	76.9	69.7	52.5					
23.0	93.7	90.8	89.7	89.9	89.9	72.8	63.7	52.5	43.4	34.8			
26.2	80.7	78.3	78.0	78.3	78.9	68.6	62.8	52.5	43.4	34.8	28.4		
29.5	54.9	52.9	68.8	69.2	69.7	64.8	62.8	49.8	43.4	34.8	28.4	22.5	
32.8			61.3	61.7	62.2	61.7	62.8	46.1	43.2	34.8	28.4	22.5	19.6
36.1			52.5	52.7	54.5	57.1	56.2	42.8	40.1	34.8	28.4	22.5	19.6
39.4			45.4	49.2	50.5	49.8	48.9	39.7	37.5	34.8	28.4	22.5	19.6
45.9				39.7	39.7	39.2	38.4	35.7	32.8	31.1	28.4	22.5	19.6
52.5				32.2	32.4	32.0	31.1	32.2	29.1	27.8	26.0	22.5	19.6
59.1					27.1	26.7	25.8	26.9	25.8	24.9	23.8	22.0	19.6
65.6					21.2	22.7	21.8	22.7	23.1	21.4	21.6	20.1	18.7
72.2						19.4	18.7	19.6	19.8	19.2	19.6	18.5	16.8
78.7							17.2	17.0	17.4	17.4	17.2	16.5	15.2
85.3							16.1	14.8	15.9	15.4	15.0	14.3	13.7
91.9								13.4	14.1	13.4	13.2	12.6	12.3
98.4								12.6	12.6	12.1	11.7	11.0	11.0
105.0									11.2	10.6	10.4	9.5	9.5
111.5									10.1	9.5	9.0	8.4	8.4
118.1										8.4	7.9	7.3	7.3
124.7										7.5	7.1	6.4	6.2
131.2											6.2	5.5	5.5
137.8											5.5	4.6	4.6
144.4												4.0	4.0
150.9													3.3
157.5													2.9



43,211 lbs

ASME

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	179.9**	168.9**	143.3	143.3									
11.5	164.2	153.7	143.3	143.3	110.2								
13.1	149.7	140.7	139.6	135.4	110.2	91.0							
14.8	137.3	129.4	128.3	125.0	110.2	91.0							
16.4	126.8	119.5	118.4	116.2	110.2	86.4	69.7						
19.7	108.2	103.2	102.1	102.3	101.2	76.9	69.7	52.5					
23.0	91.5	89.3	88.2	88.4	89.1	72.8	63.7	52.5	43.4	34.8			
26.2	78.9	77.8	76.7	76.9	77.6	68.6	62.8	52.5	43.4	34.8	28.4		
29.5	54.9	52.9	67.5	67.9	67.9	64.8	62.8	49.8	43.4	34.8	28.4	22.5	
32.8			56.2	56.7	58.4	60.8	57.3	46.1	43.2	34.8	28.4	22.5	19.6
36.1			47.8	51.6	53.1	52.7	50.9	42.8	40.1	34.8	28.4	22.5	19.6
39.4			44.1	46.3	46.5	45.9	45.0	39.7	37.5	34.8	28.4	22.5	19.6
45.9				36.6	36.6	36.2	35.3	35.7	32.8	31.1	28.4	22.5	19.6
52.5				29.8	29.8	29.3	28.4	29.5	28.2	27.8	26.0	22.5	19.6
59.1					24.9	24.3	23.6	24.5	24.9	22.9	23.4	22.0	19.6
65.6					21.2	20.5	20.3	20.7	21.2	20.9	20.9	20.1	18.7
72.2						18.1	18.5	17.6	18.5	18.3	18.1	17.2	16.8
78.7							16.8	15.7	16.3	15.9	15.4	14.8	14.8
85.3							14.8	14.3	14.3	13.9	13.4	12.8	12.8
91.9								12.8	12.6	12.1	11.7	11.0	11.0
98.4								11.5	11.2	10.6	10.1	9.5	9.5
105.0									9.9	9.3	8.8	8.2	8.2
111.5									8.8	8.2	7.7	7.1	7.1
118.1										7.1	6.8	6.0	6.0
124.7										6.4	5.7	5.1	5.1
131.2											5.1	4.4	4.2
137.8											4.4	3.5	3.5
144.4												3.1	2.9
150.9													2.4
157.5													1.8

\* Over rear · A l'arrière · Hacia atrás

\*\* With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional

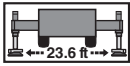
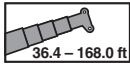
# STERLING CRANE



## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso

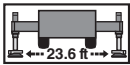
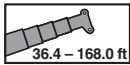


**35,935 lbs**

**ASME**

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	179.9**	168.2**	143.3	143.3									
11.5	163.1	153.0	143.3	143.3	110.2								
13.1	148.8	140.0	138.9	135.4	110.2	91.0							
14.8	136.5	128.5	127.4	125.0	110.2	91.0							
16.4	125.9	118.6	117.5	116.2	110.2	86.4	69.7						
19.7	105.6	102.3	101.2	101.4	101.2	76.9	69.7	52.5					
23.0	89.1	87.5	86.4	86.6	87.3	72.8	63.7	52.5	43.4	34.8			
26.2	76.1	76.3	75.2	75.4	76.1	68.6	62.8	52.5	43.4	34.8	28.4		
29.5	54.9	52.9	62.4	62.8	63.7	64.8	62.8	49.8	43.4	34.8	28.4	22.5	
32.8			51.8	54.5	57.5	56.9	56.0	46.1	43.2	34.8	28.4	22.5	19.6
36.1			46.1	49.2	49.4	48.7	47.8	42.8	40.1	34.8	28.4	22.5	19.6
39.4			41.7	42.8	43.0	42.3	41.4	39.7	37.5	34.8	28.4	22.5	19.6
45.9				33.7	33.7	33.3	32.4	33.5	31.5	31.1	28.4	22.5	19.6
52.5				27.3	27.3	26.9	26.0	27.1	27.6	25.6	26.0	22.5	19.6
59.1					23.8	22.3	22.3	22.3	22.9	22.7	22.7	22.0	19.6
65.6					20.3	19.6	20.3	18.7	20.1	19.4	19.2	18.5	18.5
72.2						17.4	17.4	17.0	17.2	16.5	16.3	15.7	15.7
78.7							15.2	15.0	14.8	14.3	14.1	13.4	13.4
85.3							13.4	13.0	13.0	12.3	12.1	11.5	11.5
91.9								11.5	11.5	10.8	10.4	9.7	9.7
98.4								10.1	9.9	9.3	9.0	8.2	8.2
105.0									8.8	8.2	7.7	6.8	6.8
111.5									7.7	7.1	6.6	6.0	5.7
118.1										6.2	5.7	4.9	4.9
124.7										5.3	4.9	4.0	4.0
131.2											4.2	3.3	3.3
137.8											3.5	2.6	2.6
144.4												2.0	2.0
150.9													1.5



**29,542 lbs**

**ASME**

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	179.7**	167.8**	143.3	143.3									
11.5	162.3	152.3	143.3	143.3	110.2								
13.1	147.9	139.3	138.2	135.4	110.2	91.0							
14.8	135.8	127.9	126.8	125.0	110.2	91.0							
16.4	125.2	117.9	116.8	116.0	110.2	86.4	69.7						
19.7	103.0	100.5	99.4	99.6	100.1	76.9	69.7	52.5					
23.0	86.9	86.0	84.9	85.1	85.8	72.8	63.7	52.5	43.4	34.8			
26.2	69.9	73.0	70.8	71.2	71.4	68.6	62.8	52.5	43.4	34.8	28.4		
29.5	54.9	52.9	57.1	57.8	61.9	62.4	58.9	49.8	43.4	34.8	28.4	22.5	
32.8			48.5	52.9	52.9	52.2	51.4	46.1	43.2	34.8	28.4	22.5	19.6
36.1			44.1	45.2	45.4	44.8	43.9	42.8	40.1	34.8	28.4	22.5	19.6
39.4			38.4	39.2	39.5	38.8	37.9	39.2	36.8	34.8	28.4	22.5	19.6
45.9				30.9	30.9	30.4	29.5	30.6	30.9	28.9	28.4	22.5	19.6
52.5				24.9	26.0	24.5	24.7	24.7	25.1	24.5	24.3	22.5	19.6
59.1					21.6	21.4	21.8	20.5	21.4	20.9	20.7	19.8	19.6
65.6					18.3	18.3	18.5	18.3	18.1	17.6	17.2	16.5	16.5
72.2						15.7	15.9	15.4	15.4	14.8	14.6	13.9	13.9
78.7							13.7	13.2	13.2	12.6	12.3	11.7	11.7
85.3							11.9	11.5	11.5	10.8	10.6	9.7	9.7
91.9								10.1	9.9	9.3	8.8	8.2	8.2
98.4								8.8	8.6	7.9	7.5	6.8	6.8
105.0									7.5	6.8	6.4	5.7	5.5
111.5									6.4	5.7	5.3	4.6	4.6
118.1										4.9	4.4	3.7	3.7
124.7										4.2	3.7	3.1	2.9
131.2											3.1	2.2	2.2
137.8											2.4	1.8	1.8
144.4												1.1	1.1

\* Over rear · A l'arrière · Hacia atrás

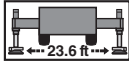
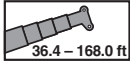
\*\* With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional



## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso

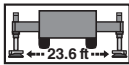
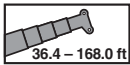


**26,015 lbs**

**ASME**

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	179.0**	167.3**	143.3	143.3									
11.5	161.8	152.1	143.3	143.3	110.2								
13.1	147.5	138.7	137.8	135.4	110.2	91.0							
14.8	135.4	127.4	126.3	125.0	110.2	91.0							
16.4	123.9	117.5	116.4	115.5	110.2	86.4	69.7						
19.7	101.6	99.4	98.3	98.5	99.2	76.9	69.7	52.5					
23.0	85.8	85.3	84.0	84.4	82.0	72.8	63.7	52.5	43.4	34.8			
26.2	66.6	69.4	67.2	67.9	68.1	68.6	62.8	52.5	43.4	34.8	28.4		
29.5	53.8	52.9	54.2	57.8	60.2	59.5	56.2	49.8	43.4	34.8	28.4	22.5	
32.8			48.5	50.3	50.5	49.8	48.9	46.1	43.2	34.8	28.4	22.5	19.6
36.1			41.9	43.0	43.2	42.5	41.7	41.2	39.0	34.8	28.4	22.5	19.6
39.4			36.4	37.5	37.5	37.0	36.2	37.3	34.8	34.2	28.4	22.5	19.6
45.9				29.3	29.3	28.7	28.0	28.9	29.5	27.3	27.6	22.5	19.6
52.5				23.6	24.7	23.8	24.7	23.4	24.0	24.0	23.6	22.5	19.6
59.1					20.5	20.5	20.7	20.3	20.3	19.6	19.4	18.7	18.7
65.6					17.2	17.2	17.4	17.0	17.0	16.3	16.1	15.4	15.4
72.2						14.6	14.8	14.6	14.3	13.9	13.4	12.8	12.8
78.7							12.8	12.3	12.3	11.7	11.5	10.6	10.6
85.3							11.0	10.8	10.6	9.9	9.5	8.8	8.8
91.9								9.3	9.0	8.4	8.2	7.3	7.3
98.4								7.9	7.7	7.1	6.8	6.0	6.0
105.0									6.6	6.0	5.7	4.9	4.9
111.5									5.7	5.1	4.6	4.0	4.0
118.1										4.2	4.0	3.1	3.1
124.7										3.5	3.1	2.4	2.4
131.2											2.4	1.8	1.8
137.8											2.0	1.1	1.1



**22,487 lbs**

**ASME**

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	178.6**	166.9**	143.3	143.3									
11.5	161.4	151.7	143.3	143.3	110.2								
13.1	147.0	138.2	137.3	135.4	110.2	91.0							
14.8	134.9	127.0	125.9	125.0	110.2	91.0							
16.4	122.4	117.1	116.0	115.1	110.2	86.4	69.7						
19.7	100.3	98.5	97.4	97.7	97.0	76.9	69.7	52.5					
23.0	81.6	84.4	82.7	81.6	78.0	72.8	63.7	52.5	43.4	34.8			
26.2	63.1	65.9	63.7	64.4	65.7	66.4	62.2	52.5	43.4	34.8	28.4		
29.5	50.9	52.9	51.6	57.1	57.3	56.7	53.4	49.8	43.4	34.8	28.4	22.5	
32.8			46.7	47.8	48.1	47.4	46.3	43.7	41.9	34.8	28.4	22.5	19.6
36.1			39.7	40.8	41.0	40.3	39.5	40.8	37.0	34.8	28.4	22.5	19.6
39.4			34.4	35.5	35.5	35.1	34.2	35.3	34.0	32.2	28.4	22.5	19.6
45.9				27.6	28.9	27.1	27.6	27.3	28.0	26.9	25.8	22.5	19.6
52.5				22.3	23.1	23.4	23.6	22.7	23.1	22.5	22.3	21.4	19.6
59.1					19.2	19.2	19.4	19.0	19.0	18.3	18.1	17.4	17.2
65.6					16.1	16.1	16.1	15.9	15.9	15.2	15.0	14.1	14.1
72.2						13.7	13.7	13.4	13.2	12.8	12.3	11.7	11.7
78.7							11.7	11.5	11.2	10.8	10.4	9.7	9.7
85.3							10.1	9.7	9.7	9.0	8.6	7.9	7.9
91.9								8.4	8.2	7.5	7.3	6.4	6.4
98.4								7.3	7.1	6.4	6.0	5.3	5.3
105.0									6.0	5.3	4.9	4.2	4.2
111.5									5.1	4.4	4.0	3.3	3.3
118.1										3.7	3.3	2.4	2.4
124.7										3.1	2.6	1.8	1.8
131.2											2.0	1.1	1.1
137.8											1.3		

\* Over rear · A l'arrière · Hacia atrás

\*\* With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional

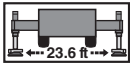
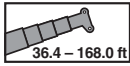
# STERLING CRANE



## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso

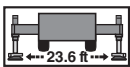
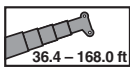


**19,621 lbs**

**ASME**

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	178.1**	166.7**	143.3	143.3									
11.5	160.9	151.2	143.3	143.3	110.2								
13.1	146.6	138.0	136.9	135.4	110.2	91.0							
14.8	134.5	126.5	125.4	124.6	110.2	91.0							
16.4	120.8	116.6	115.3	114.4	110.2	86.4	69.7						
19.7	99.2	97.7	96.6	96.8	93.0	76.9	69.7	52.5					
23.0	78.0	81.3	79.1	78.3	74.7	72.8	63.7	52.5	43.4	34.8			
26.2	60.4	63.1	61.1	61.5	65.7	63.7	59.5	52.5	43.4	34.8	28.4		
29.5	48.5	50.9	51.6	54.7	54.9	54.2	51.1	47.8	43.4	34.8	28.4	22.5	
32.8			44.5	45.9	45.9	45.4	44.3	43.4	40.1	34.8	28.4	22.5	19.6
36.1			37.9	39.0	39.2	38.6	37.7	38.8	35.5	34.4	28.4	22.5	19.6
39.4			32.8	34.0	34.0	33.5	32.6	33.7	34.0	30.6	28.4	22.5	19.6
45.9				26.2	27.6	26.5	27.6	26.0	26.7	26.9	24.3	22.5	19.6
52.5				20.9	22.0	22.0	22.3	22.0	21.8	21.4	20.9	20.1	19.6
59.1					18.1	18.1	18.3	17.9	17.9	17.2	17.0	16.3	16.3
65.6					15.2	15.0	15.2	15.0	14.8	14.3	13.9	13.2	13.2
72.2						12.8	12.8	12.6	12.6	11.9	11.7	10.8	10.8
78.7							11.0	10.6	10.6	9.9	9.5	8.8	8.8
85.3							9.5	9.0	8.8	8.4	7.9	7.1	7.1
91.9								7.7	7.5	6.8	6.6	5.7	5.7
98.4								6.6	6.4	5.7	5.3	4.6	4.6
105.0									5.3	4.6	4.4	3.5	3.5
111.5									4.6	4.0	3.5	2.6	2.6
118.1										3.1	2.6	2.0	2.0
124.7										2.4	2.0	1.3	1.3
131.2											1.5		



**16,755 lbs**

**ASME**

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	177.7**	166.2**	143.3	143.3									
11.5	160.5	151.0	143.3	143.3	110.2								
13.1	146.2	137.6	136.5	135.4	110.2	91.0							
14.8	134.0	126.1	125.0	124.3	110.2	91.0							
16.4	119.5	115.7	114.4	113.5	110.2	86.4	69.7						
19.7	97.9	97.0	95.7	94.1	89.3	76.9	69.7	52.5					
23.0	74.7	77.8	75.6	74.7	71.6	72.8	63.7	52.5	43.4	34.8			
26.2	57.5	60.2	58.2	61.5	64.6	61.1	57.1	52.5	43.4	34.8	28.4		
29.5	46.3	48.7	51.1	52.5	52.5	51.8	48.9	45.9	43.4	34.8	28.4	22.5	
32.8			42.5	43.9	43.9	43.2	42.3	42.3	38.1	34.8	28.4	22.5	19.6
36.1			36.2	37.3	37.5	36.8	35.9	37.0	35.5	32.6	28.4	22.5	19.6
39.4			31.3	32.4	32.4	32.0	31.3	32.2	32.6	28.9	28.4	22.5	19.6
45.9				24.9	26.0	26.2	26.2	25.6	26.0	25.4	24.3	22.5	19.6
52.5				19.8	20.7	20.7	20.9	20.7	20.7	20.1	19.6	18.7	18.3
59.1					17.0	17.0	17.2	17.0	16.8	16.1	15.9	15.2	15.2
65.6					14.1	14.1	14.3	13.9	13.9	13.2	13.0	12.3	12.3
72.2						11.9	12.1	11.7	11.7	11.0	10.8	9.9	9.9
78.7							10.1	9.9	9.7	9.0	8.8	7.9	7.9
85.3							8.8	8.4	8.2	7.5	7.3	6.4	6.4
91.9								7.1	6.8	6.2	6.0	5.1	5.1
98.4								6.0	5.7	5.1	4.6	4.0	4.0
105.0									4.9	4.2	3.7	3.1	3.1
111.5									4.0	3.3	2.9	2.2	2.2
118.1										2.6	2.2	1.5	1.3
124.7										2.0	1.5		

\* Over rear · A l'arrière · Hacia atrás

\*\* With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional



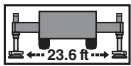
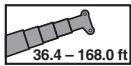
# STERLING CRANE



## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso

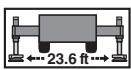
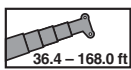


13,228 lbs

ASME

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	177.0**	166.0**	143.3	143.3									
11.5	160.1	150.4	143.3	143.3	110.2								
13.1	145.7	137.1	136.0	135.4	110.2	91.0							
14.8	132.1	125.7	124.6	123.7	110.2	91.0							
16.4	117.9	114.6	113.3	112.2	110.0	86.4	69.7						
19.7	96.6	95.9	94.6	89.1	84.4	76.9	69.7	52.5					
23.0	70.3	73.4	71.2	70.5	70.1	68.8	62.8	52.5	43.4	34.8			
26.2	54.2	56.9	55.3	61.1	61.1	57.8	53.8	50.3	43.4	34.8	28.4		
29.5	43.4	45.6	48.3	49.6	49.6	48.9	46.1	45.6	41.2	34.8	28.4	22.5	
32.8			40.1	41.2	41.4	40.8	39.9	39.9	35.5	34.6	28.4	22.5	19.6
36.1			34.0	35.3	35.3	34.6	33.7	34.8	34.4	30.2	28.4	22.5	19.6
39.4			29.1	30.2	31.5	30.0	31.3	30.0	30.4	28.4	26.5	22.5	19.6
45.9				23.1	24.3	24.3	24.5	24.3	24.0	23.4	22.7	21.2	19.6
52.5				18.3	19.2	19.2	19.4	19.2	19.2	18.5	18.1	17.2	16.8
59.1					15.7	15.7	15.9	15.7	15.4	14.8	14.6	13.9	13.9
65.6					13.0	13.0	13.0	12.8	12.8	12.1	11.9	11.0	11.0
72.2						10.8	11.0	10.6	10.6	9.9	9.7	8.8	8.8
78.7							9.3	8.8	8.8	8.2	7.7	7.1	7.1
85.3							7.7	7.5	7.3	6.6	6.2	5.5	5.5
91.9								6.2	6.0	5.3	5.1	4.2	4.2
98.4								5.1	4.9	4.4	4.0	3.1	3.1
105.0									4.0	3.5	3.1	2.2	2.2
111.5									3.3	2.6	2.2	1.5	1.5
118.1										2.0	1.5		
124.7										1.5			



11,244 lbs

ASME

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	176.8**	165.8**	143.3	143.3									
11.5	159.6	150.1	143.3	143.3	110.2								
13.1	145.5	136.9	135.8	134.9	110.2	91.0							
14.8	131.0	125.4	124.3	123.5	110.2	91.0							
16.4	117.1	114.0	112.7	111.6	106.7	86.4	69.7						
19.7	94.4	95.2	92.6	86.2	81.8	75.4	69.7	52.5					
23.0	68.1	71.0	68.8	68.1	70.1	66.8	62.2	52.5	43.4	34.8			
26.2	52.2	54.9	55.3	59.1	59.1	55.8	52.0	48.5	43.4	34.8	28.4		
29.5	41.9	44.1	46.5	47.8	48.1	47.4	44.5	44.1	39.7	34.8	28.4	22.5	
32.8			38.8	39.9	40.1	39.5	38.4	38.4	35.5	33.3	28.4	22.5	19.6
36.1			32.6	34.0	34.2	33.5	33.5	33.5	32.8	28.9	28.4	22.5	19.6
39.4			27.8	28.9	30.2	30.0	30.6	28.9	29.5	28.4	25.1	22.5	19.6
45.9				22.0	23.1	23.1	23.4	23.1	23.1	22.5	21.8	20.3	19.6
52.5				17.4	18.3	18.3	18.5	18.3	18.3	17.6	17.2	16.3	15.9
59.1					14.8	15.0	15.0	14.8	14.8	14.1	13.9	13.0	13.0
65.6					12.3	12.3	12.6	12.1	12.1	11.5	11.2	10.4	10.4
72.2						10.4	10.4	10.1	9.9	9.3	9.0	8.2	8.2
78.7							8.6	8.4	8.2	7.5	7.3	6.4	6.4
85.3							7.3	6.8	6.8	6.2	5.7	5.1	4.9
91.9								5.7	5.5	4.9	4.6	3.7	3.7
98.4								4.6	4.4	4.0	3.5	2.6	2.6
105.0									3.7	3.1	2.6	2.0	1.8
111.5									2.9	2.2	2.0	1.1	
118.1										1.5	1.3		
124.7										1.1			

\* Over rear · A l'arrière · Hacia atrás

\*\* With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional

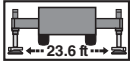
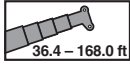
# STERLING CRANE



## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso

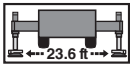
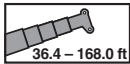


**7,716 lbs**

**ASME**

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	176.1**	165.3**	143.3	143.3									
11.5	159.2	149.7	143.3	143.3	110.2								
13.1	145.1	136.2	135.4	134.5	110.2	91.0							
14.8	129.2	124.3	123.0	122.1	110.2	91.0							
16.4	115.3	112.7	111.3	108.0	100.5	86.4	69.7						
19.7	88.6	92.4	87.3	81.1	76.9	75.4	68.1	52.5					
23.0	63.7	66.8	64.4	65.9	67.2	63.1	58.4	52.5	43.4	34.8			
26.2	48.9	51.4	54.2	55.6	55.8	52.7	48.9	46.1	43.2	34.8	28.4		
29.5	39.0	41.2	43.7	45.0	45.2	44.5	41.4	41.2	36.6	34.8	28.4	22.5	
32.8			36.2	37.5	37.5	37.0	35.9	35.5	34.8	30.6	28.4	22.5	19.6
36.1			30.2	31.3	32.8	32.2	33.1	30.9	31.1	28.4	26.2	22.5	19.6
39.4			25.6	26.9	28.0	28.2	28.4	28.0	28.0	26.2	24.3	22.5	19.6
45.9				20.3	21.4	21.4	21.6	21.4	21.2	20.5	19.8	18.3	17.9
52.5				15.9	16.8	16.8	17.0	16.8	16.8	16.1	15.7	14.8	14.3
59.1					13.4	13.7	13.7	13.4	13.4	12.8	12.6	11.7	11.7
65.6					11.2	11.0	11.2	11.0	10.8	10.4	9.9	9.0	9.0
72.2						9.3	9.3	9.0	8.8	8.2	7.9	7.1	7.1
78.7							7.7	7.3	7.3	6.6	6.2	5.5	5.3
85.3							6.4	6.0	5.7	5.3	4.9	4.0	4.0
91.9								4.9	4.6	4.0	3.7	2.9	2.9
98.4								4.0	3.7	3.1	2.6	2.0	2.0
105.0									2.9	2.2	2.0	1.1	
111.5									2.2	1.5	1.1		



**2,205 lbs**

**ASME**

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	175.0**	164.0	143.3	143.3									
11.5	158.1	148.4	143.3	143.3	110.2								
13.1	142.0	135.1	133.8	132.7	110.2	91.0							
14.8	125.0	121.5	120.2	110.2	102.5	91.0							
16.4	107.4	109.8	102.5	93.7	87.3	78.9	69.7						
19.7	77.8	81.6	75.2	71.2	72.8	67.5	61.9	52.5					
23.0	58.0	58.2	59.7	61.9	58.4	54.7	50.0	46.1	43.2	34.8			
26.2	44.3	44.3	47.2	48.5	48.1	44.5	42.3	40.6	35.5	34.4	28.4		
29.5	35.3	35.3	37.7	39.0	39.0	37.5	38.4	35.3	33.5	28.9	28.4	22.5	
32.8			31.1	32.4	33.5	33.7	33.1	31.3	30.0	28.0	24.3	22.5	19.6
36.1			26.0	27.3	28.4	28.4	28.7	27.3	26.2	24.5	22.9	21.2	19.6
39.4			22.3	23.4	24.5	24.5	24.7	24.0	22.9	21.4	20.3	18.5	18.1
45.9				17.6	18.7	18.7	19.0	18.7	18.3	17.0	15.9	14.3	13.9
52.5				13.9	14.8	15.0	15.0	14.8	14.8	13.4	12.6	11.2	11.0
59.1					11.9	11.9	12.1	11.9	11.7	11.0	10.1	8.8	8.6
65.6					9.7	9.7	9.7	9.5	9.3	8.6	8.2	7.1	6.8
72.2						7.7	7.9	7.5	7.5	6.8	6.4	5.3	5.1
78.7							6.4	6.0	6.0	5.3	4.9	4.0	4.0
85.3							5.3	4.9	4.6	4.0	3.7	2.9	2.9
91.9								3.7	3.7	3.1	2.6	2.0	1.8
98.4								3.1	2.9	2.2	1.8		
105.0									2.0	1.3			
111.5									1.3				

\* Over rear · A l'arrière · Hacia atrás

\*\* With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional

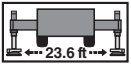
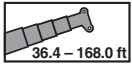
# STERLING CRANE



## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso



0 lbs

ASME

lbs x 1,000

ft	36.4 ft*	36.4 ft	48.6 ft	60.7 ft	72.5 ft	84.6 ft	96.8 ft	108.9 ft	121.1 ft	132.9 ft	145.0 ft	157.2 ft	168.0 ft
7.5	220.5**												
8.2	198.4**												
9.8	175.0**	164.0	143.3	143.3									
11.5	158.1	148.4	143.3	143.3	110.2								
13.1	142.0	135.1	133.8	132.7	110.2	91.0							
14.8	125.0	121.5	120.2	110.2	102.5	91.0							
16.4	107.4	109.8	102.5	93.7	87.3	78.9	69.7						
19.7	77.8	81.6	75.2	71.2	72.8	67.5	61.9	52.5					
23.0	58.0	58.2	59.7	61.9	58.4	54.7	50.0	46.1	43.2	34.8			
26.2	44.3	44.3	47.2	48.5	48.1	44.5	42.3	40.6	35.5	34.4	28.4		
29.5	35.3	35.3	37.7	39.0	39.0	37.5	38.4	35.3	33.5	28.9	28.4	22.5	
32.8			31.1	32.4	33.5	33.7	33.1	31.3	30.0	28.0	24.3	22.5	19.6
36.1			26.0	27.3	28.4	28.4	28.7	27.3	26.2	24.5	22.9	21.2	19.6
39.4			22.3	23.4	24.5	24.5	24.7	24.0	22.9	21.4	20.3	18.5	18.1
45.9				17.6	18.7	18.7	19.0	18.7	18.3	17.0	15.9	14.3	13.9
52.5				13.9	14.8	15.0	15.0	14.8	14.8	13.4	12.6	11.2	11.0
59.1					11.9	11.9	12.1	11.9	11.7	11.0	10.1	8.8	8.6
65.6					9.7	9.7	9.7	9.5	9.3	8.6	8.2	7.1	6.8
72.2						7.7	7.9	7.5	7.5	6.8	6.4	5.3	5.1
78.7							6.4	6.0	6.0	5.3	4.9	4.0	4.0
85.3							5.3	4.9	4.6	4.0	3.7	2.9	2.9
91.9								3.7	3.7	3.1	2.6	2.0	1.8
98.4								3.1	2.9	2.2	1.8		
105.0									2.0	1.3			
111.5									1.3				

\* Over rear · A l'arrière · Hacia atrás

\*\* With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional

# STERLING CRANE

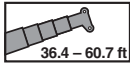


LIFTING CHARTS - All Terrain Cranes

TADANO MODEL ATF100G-4 - 110 TON CAPACITY

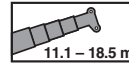
Operation · Utilisation · Uso

Working range · Rayon de travail · Zona de trabajo



49,604 lbs

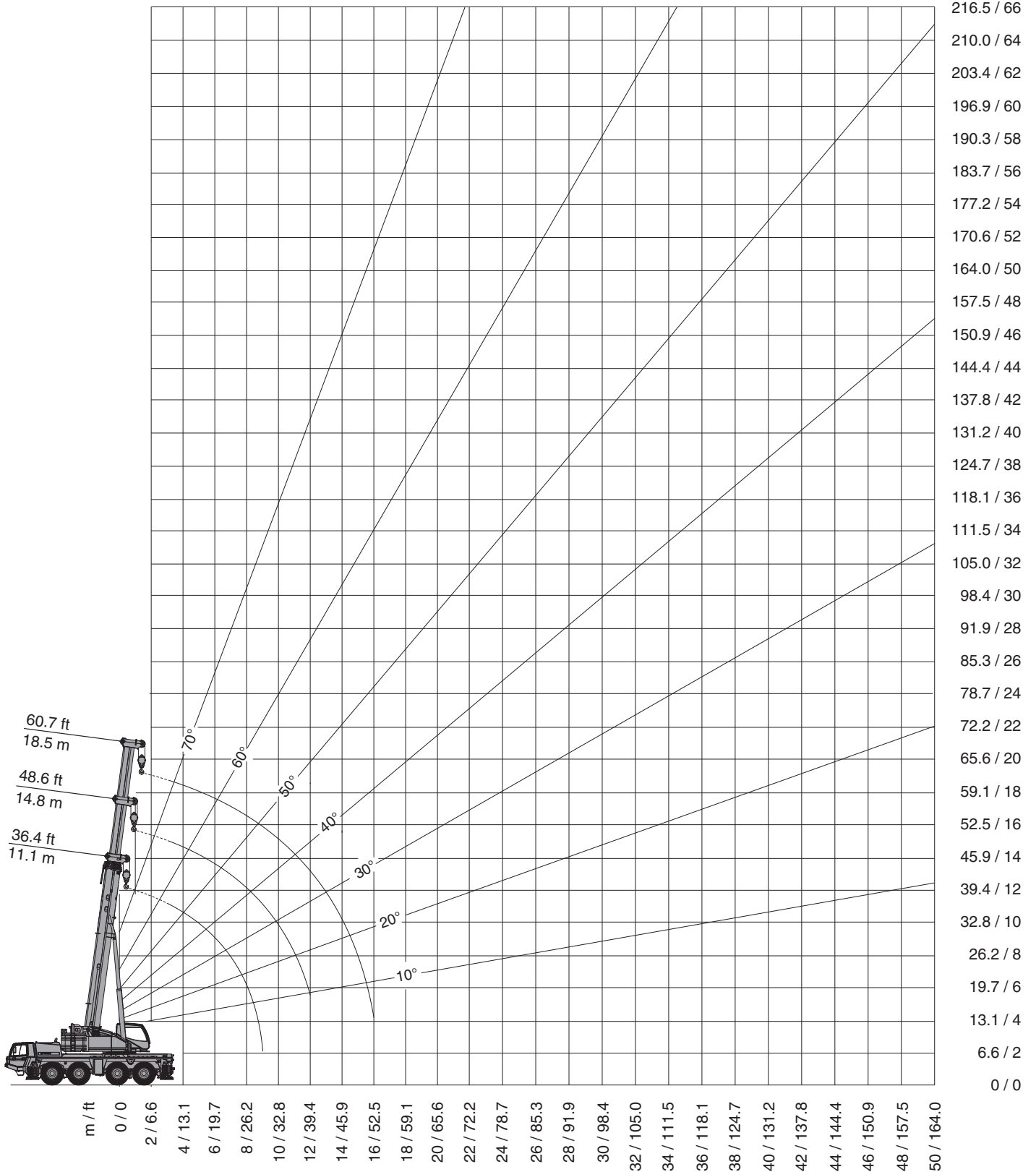
ASME



22.5 t

ASME

ft / m



# STERLING CRANE



## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso

Lifting capacities · Charges de levage · Cargas



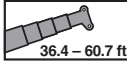



**49,604 lbs** **ASME** lbs x 1,000

ft	36.4 ft	48.6 ft	60.7 ft
9.8	38.4	39.5	40.1
11.5	34.8	36.2	36.6
13.1	31.7	33.1	33.5
14.8	29.1	30.4	31.1
16.4	26.9	28.0	28.7
19.7	23.1	24.3	24.7
23.0	20.1	21.2	21.6
26.2	17.6	18.7	19.2
29.5	15.7	16.5	17.2
32.8		14.8	15.4
36.1		13.4	13.9
39.4		12.1	12.8
45.9			10.6
52.5			8.6

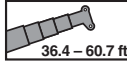



**22,487 lbs** **ASME** lbs x 1,000

ft	36.4 ft	48.6 ft	60.7 ft
9.8	40.1	41.2	41.7
11.5	36.6	37.7	38.1
13.1	33.3	34.6	35.1
14.8	30.6	31.7	32.4
16.4	28.2	29.3	30.0
19.7	23.4	25.4	26.0
23.0	18.1	20.1	21.2
26.2	14.3	16.3	17.2
29.5	11.5	13.2	14.1
32.8		10.8	11.9
36.1		9.0	9.9
39.4		7.7	8.6
45.9			6.4
52.5			4.4




**16,755 lbs** **ASME** lbs x 1,000

ft	36.4 ft	48.6 ft	60.7 ft
9.8	40.6	41.7	42.1
11.5	36.8	37.9	38.6
13.1	33.7	34.8	35.5
14.8	30.9	32.2	32.6
16.4	27.8	29.8	30.2
19.7	20.7	22.7	23.8
23.0	15.9	17.6	18.7
26.2	12.3	14.1	15.2
29.5	9.7	11.5	12.3
32.8		9.3	10.1
36.1		7.5	8.4
39.4		6.2	7.1
45.9			4.9
52.5			3.3




**13,228 lbs** **ASME** lbs x 1,000

ft	36.4 ft	48.6 ft	60.7 ft
9.8	40.8	41.9	42.3
11.5	37.0	38.1	38.8
13.1	33.7	35.1	35.5
14.8	30.4	32.2	32.2
16.4	25.6	27.8	28.9
19.7	19.0	20.9	22.0
23.0	14.3	16.3	17.2
26.2	11.2	12.8	13.9
29.5	8.8	10.4	11.5
32.8		8.6	9.5
36.1		7.1	7.9
39.4		5.7	6.6
45.9			4.6
52.5			3.1




**2,205 lbs** **ASME** lbs x 1,000

ft	36.4 ft	48.6 ft	60.7 ft
9.8	41.4	40.1	37.7
11.5	34.6	34.2	32.6
13.1	27.8	29.5	28.4
14.8	22.7	25.1	25.1
16.4	19.0	21.2	22.3
19.7	13.4	15.4	16.5
23.0	9.7	11.7	12.8
26.2	7.1	8.8	9.9
29.5	5.1	6.8	7.7
32.8		5.1	6.2
36.1		3.7	4.9
39.4		2.9	3.7
45.9			2.0

# STERLING CRANE


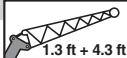
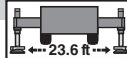

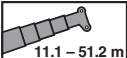
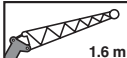
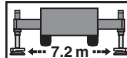



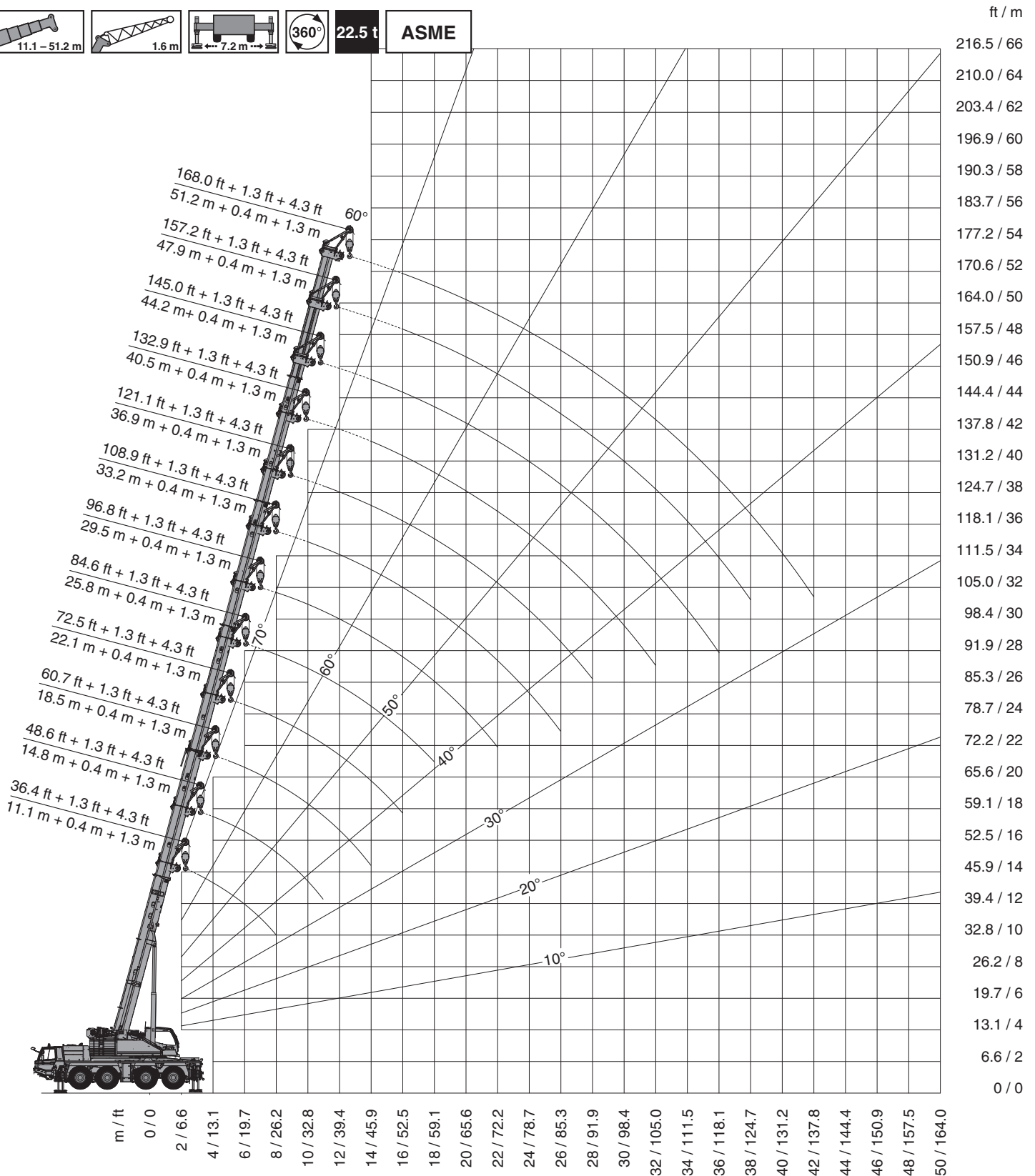
## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso

Working range · Rayon de travail · Zona de trabajo

 36.4 - 168.0 ft	 1.3 ft + 4.3 ft	 23.6 ft	 360°	<b>49,604 lbs</b>	<b>ASME</b>
 11.1 - 51.2 m	 1.6 m	 7.2 m	 360°	<b>22.5 t</b>	<b>ASME</b>





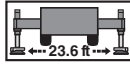
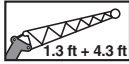
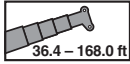
# STERLING CRANE



## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso



13,228 lbs

ASME

lbs x 1,000

ft	36.4 ft + 1.3 ft + 4.3 ft			60.7 ft + 1.3 ft + 4.3 ft			96.8 ft + 1.3 ft + 4.3 ft			132.9 ft + 1.3 ft + 4.3 ft			168.0 ft + 1.3 ft + 4.3 ft		
	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°	20°	40°	60°
9.8			57.8												
11.5			57.8												
13.1			57.8												
14.8			57.8												
16.4			57.8			57.8									
19.7		57.8	57.8			57.8									
23.0	57.8	57.8	57.8			57.8									
26.2	57.8	57.8	57.8			54.9			47.0						
29.5	46.7	47.2			43.0	43.7			42.1						
32.8	38.8	39.0			35.3	35.7			36.2						
36.1					29.1	29.8			31.1						
39.4				23.8	24.3	24.7			26.5						
45.9				16.8	17.2	17.4			19.4			20.1			
52.5				11.9	12.3			13.9	14.3			15.7			14.8
59.1				8.6				10.4	10.6			11.9			13.0
65.6							7.3	7.5	7.7			9.0			10.6
72.2							5.1	5.5	5.5		6.6	6.8			8.2
78.7							3.5	3.7			4.9	5.1			6.4
85.3							2.2	2.4			3.5	3.5			4.9
91.9							1.1				2.2	2.4			3.5
98.4											1.3	1.3			2.4



# STERLING CRANE



## LIFTING CHARTS - All Terrain Cranes

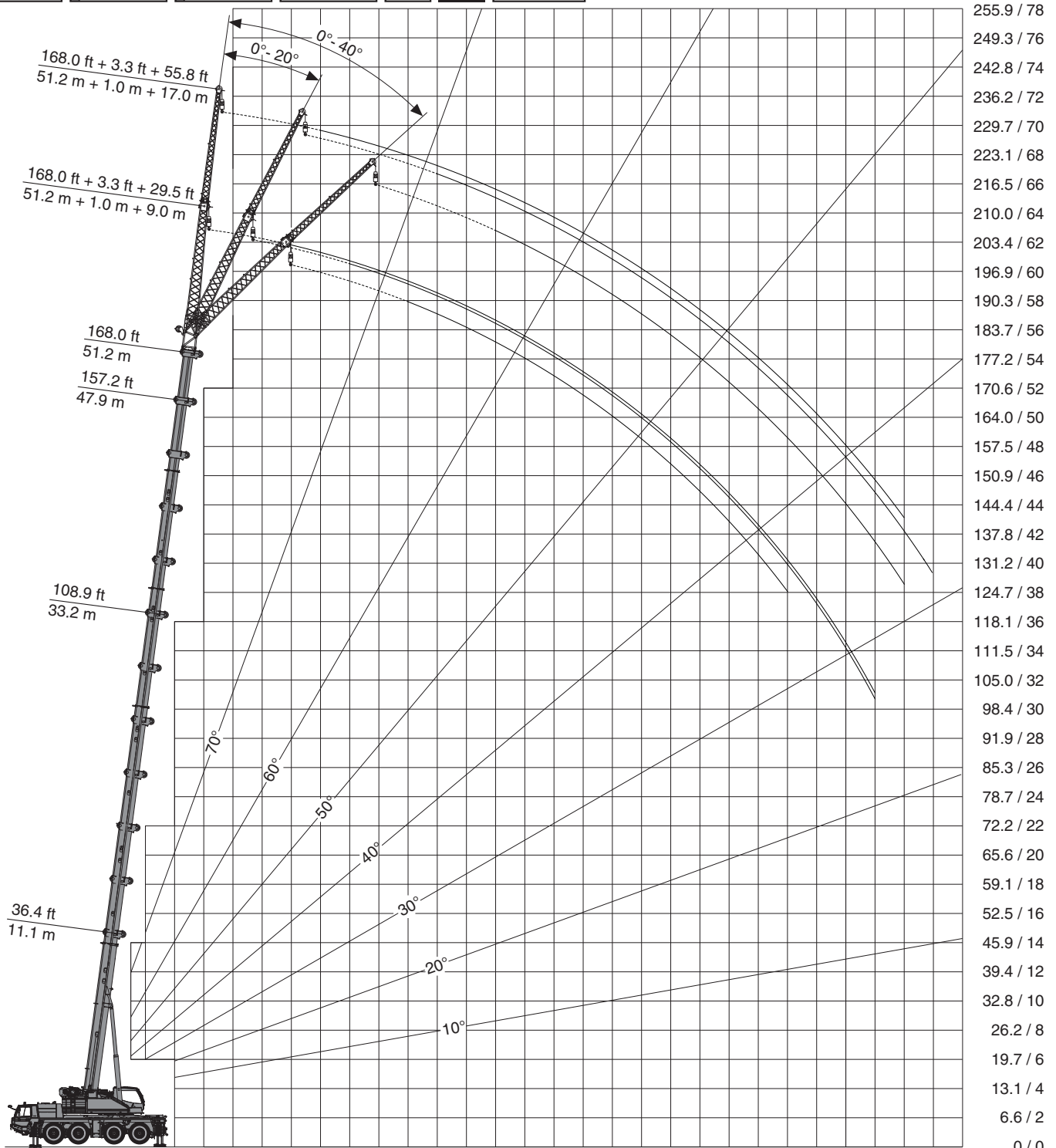
### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso

Working range · Rayon de travail · Zona de trabajo

36.4 - 168.0 ft	32.8/59.1 ft	32.8/59.1 ft	23.6 ft	360°	<b>49,604 lbs</b>	<b>ASME</b>
11.1 - 51.2 m	10/18 m	10/18 m	7.2 m	360°	<b>22.5 t</b>	<b>ASME</b>

ft / m



m / ft	0 / 0	2 / 6.6	4 / 13.1	6 / 19.7	8 / 26.2	10 / 32.8	12 / 39.4	14 / 45.9	16 / 52.5	18 / 59.1	20 / 65.6	22 / 72.2	24 / 78.7	26 / 85.3	28 / 91.9	30 / 98.4	32 / 105.0	34 / 111.5	36 / 118.1	38 / 124.7	40 / 131.2	42 / 137.8	44 / 144.4	46 / 150.9	48 / 157.5	50 / 164.0	52 / 170.6	54 / 177.2	56 / 183.7	58 / 190.3
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0 / 0

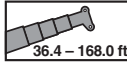
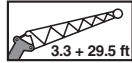



# STERLING CRANE



## LIFTING CHARTS - All Terrain Cranes

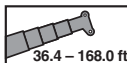
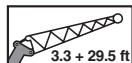
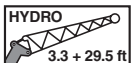
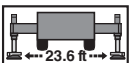

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso






**49,604 lbs**
**ASME**

lbs x 1,000

ft	36.4 ft + 3.3 ft + 29.5 ft			108.9 ft + 3.3 ft + 29.5 ft			157.2 ft + 3.3 ft + 29.5 ft			168.0 ft + 3.3 ft + 29.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	26.9*											
11.5	26.9*											
13.1	26.9*											
14.8	26.9*											
16.4	26.9*	26.9*										
19.7	26.9*	25.4*										
23.0	26.9*	23.8		22.3								
26.2	26.9*	22.5	16.3	22.3								
29.5	26.7*	21.4	15.7	22.3								
32.8	24.9*	19.8	14.8	22.3	19.8							
36.1	23.1	18.7	14.1	22.3	19.0		10.8					
39.4	21.2	17.6	13.7	22.3	18.3		10.8			9.7		
45.9	17.9	15.7	12.8	20.5	16.8	14.8	10.8			9.7		
52.5	15.4	14.3		18.7	15.7	13.9	10.8	10.8		9.7	9.7	
59.1				17.4	14.8	13.2	10.8	10.8	10.4	9.7	9.7	
65.6				16.3	13.9	12.6	10.8	10.6	9.9	9.7	9.7	9.3
72.2				15.2	13.2	12.1	10.8	10.1	9.5	9.7	9.5	8.8
78.7				14.3	12.6	11.5	10.4	9.7	9.0	9.7	9.0	8.6
85.3				13.7	12.1	11.2	9.9	9.3	8.6	9.0	8.6	8.2
91.9				11.7	11.5	10.8	9.5	8.8	8.4	8.6	8.4	7.9
98.4				10.1	10.8	10.6	8.8	8.6	7.9	8.2	7.9	7.7
105.0				8.8	9.3	9.7	8.4	8.2	7.7	7.7	7.5	7.3
111.5				7.5	7.9		7.9	7.9	7.5	7.5	7.3	7.1
118.1				6.4	6.8		6.8	7.3	7.3	6.6	6.8	6.8
124.7				5.5	5.7		5.7	6.4	6.8	5.7	6.2	6.6
131.2				4.9			4.9	5.5	5.7	4.9	5.3	5.7
137.8							4.2	4.6	4.9	4.0	4.6	4.9
144.4							3.5	4.0	4.2	3.3	3.7	4.0
150.9							2.9	3.3		2.6	3.1	3.3
157.5							2.4	2.6		2.2	2.4	
164.0							1.8	2.0		1.8	2.0	
170.6							1.3	1.5		1.1	1.5	






**22,487 lbs**
**ASME**

lbs x 1,000

ft	36.4 ft + 3.3 ft + 29.5 ft			108.9 ft + 3.3 ft + 29.5 ft			157.2 ft + 3.3 ft + 29.5 ft			168.0 ft + 3.3 ft + 29.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	26.9*											
11.5	26.9*											
13.1	26.9*											
14.8	26.9*											
16.4	26.9*	26.9*										
19.7	26.9*	25.4*										
23.0	26.9*	23.8		22.3								
26.2	26.9*	22.5	16.3	22.3								
29.5	26.7*	21.4	15.7	22.3								
32.8	24.9*	19.8	14.8	22.3	19.8							
36.1	23.1	18.7	14.1	22.3	19.0		10.8					
39.4	21.2	17.6	13.7	22.3	18.3		10.8			9.7		
45.9	17.9	15.7	12.8	20.5	16.8	14.8	10.8			9.7		
52.5	15.4	14.3		18.7	15.7	13.9	10.8	10.8		9.7	9.7	
59.1				16.8	14.8	13.2	10.8	10.8	10.4	9.7	9.7	
65.6				13.4	13.9	12.6	10.8	10.6	9.9	9.7	9.7	9.3
72.2				10.8	12.1	12.1	10.8	10.1	9.5	9.7	9.5	8.8
78.7				8.8	9.9	10.6	9.3	9.7	9.0	9.0	9.0	8.6
85.3				7.1	7.9	8.6	7.5	8.6	8.6	7.3	8.4	8.2
91.9				5.7	6.4	7.1	6.0	7.1	7.7	6.0	6.8	7.7
98.4				4.4	5.1	5.5	4.9	5.7	6.4	4.6	5.5	6.2
105.0				3.5	4.0	4.4	3.7	4.6	5.1	3.7	4.4	5.1
111.5				2.4	3.1		2.9	3.5	4.0	2.6	3.5	4.0
118.1				1.8	2.2		2.0	2.6	3.1	2.0	2.6	3.1
124.7				1.1	1.3		1.3	2.0	2.4	1.3	1.8	2.2
131.2								1.3	1.5		1.1	1.5

\* With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional

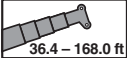
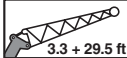

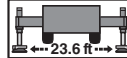

# STERLING CRANE



## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso

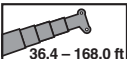
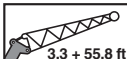

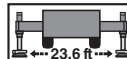







13,228 lbs

ASME

lbs x 1,000

ft	36.4 ft + 3.3 ft + 29.5 ft			108.9 ft + 3.3 ft + 29.5 ft			157.2 ft + 3.3 ft + 29.5 ft			168.0 ft + 3.3 ft + 29.5 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
9.8	26.9*											
11.5	26.9*											
13.1	26.9*											
14.8	26.9*											
16.4	26.9*	26.9*										
19.7	26.9*	25.4*										
23.0	26.9*	23.8		22.3								
26.2	26.9*	22.5	16.3	22.3								
29.5	26.7*	21.4	15.7	22.3								
32.8	24.9*	19.8	14.8	22.3	19.8							
36.1	23.1	18.7	14.1	22.3	19.0		10.8					
39.4	21.2	17.6	13.7	22.3	18.3		10.8			9.7		
45.9	17.9	15.7	12.8	20.5	16.8	14.8	10.8			9.7		
52.5	15.4	14.3		16.8	15.7	13.9	10.8	10.8		9.7	9.7	
59.1				13.0	14.8	13.2	10.8	10.8	10.4	9.7	9.7	
65.6				10.1	11.7	12.6	10.4	10.6	9.9	9.7	9.7	9.3
72.2				7.9	9.3	10.1	8.4	9.7	9.5	8.2	9.5	8.8
78.7				6.2	7.3	7.9	6.6	7.7	8.8	6.4	7.7	8.6
85.3				4.6	5.5	6.4	5.1	6.2	7.1	4.9	6.2	7.1
91.9				3.5	4.2	4.9	4.0	4.9	5.5	3.7	4.6	5.5
98.4				2.4	3.1	3.5	2.9	3.7	4.4	2.6	3.5	4.2
105.0				1.5	2.2	2.4	2.0	2.6	3.3	1.8	2.6	3.1
111.5					1.3		1.1	1.8	2.4		1.8	2.2
118.1									1.5			1.3

49,604 lbs

ASME

lbs x 1,000

ft	36.4 ft + 3.3 ft + 55.8 ft			108.9 ft + 3.3 ft + 55.8 ft			157.2 ft + 3.3 ft + 55.8 ft			168.0 ft + 3.3 ft + 55.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
11.5	12.8											
13.1	12.8											
14.8	12.8											
16.4	12.8											
19.7	12.8											
23.0	12.8											
26.2	12.8			9.3								
29.5	12.8			9.3								
32.8	12.8	11.7		9.3								
36.1	12.8	11.0		9.3								
39.4	12.6	10.6		9.3			6.4					
45.9	11.2	9.7		9.3			6.4			6.0		
52.5	10.4	9.0	7.1	9.3	9.3		6.4			6.0		
59.1	9.3	8.2	6.6	9.3	9.0		6.4			6.0		
65.6	8.2	7.5	6.2	9.3	8.6	7.1	6.4	6.4		6.0		
72.2	7.3	6.8	5.7	9.3	8.4	6.8	6.4	6.4		6.0	6.0	
78.7	6.6	6.4	5.5	9.3	7.9	6.6	6.4	6.4		6.0	6.0	
85.3	6.0	6.2		9.3	7.7	6.4	6.4	6.4	6.4	6.0	6.0	6.0
91.9				9.0	7.5	6.2	6.4	6.4	6.2	6.0	6.0	5.7
98.4				8.6	7.3	6.0	6.4	6.4	6.0	6.0	6.0	5.7
105.0				8.4	7.1	5.7	6.4	6.0	5.7	6.0	5.7	5.5
111.5				7.9	6.8	5.7	6.4	6.0	5.5	6.0	5.5	5.3
118.1				7.7	6.6	5.5	6.2	5.7	5.3	6.0	5.3	5.1
124.7				6.6	6.4	5.5	6.0	5.5	5.3	5.7	5.1	4.9
131.2				5.7	6.4	5.5	5.5	5.3	5.1	5.3	5.1	4.9
137.8				5.1	5.7		4.9	5.1	4.9	4.6	4.9	4.6
144.4				4.4	4.9		4.2	4.9	4.9	4.0	4.6	4.6
150.9				3.7	4.2		3.5	4.2	4.6	3.3	4.0	4.4
157.5				3.3			2.9	3.5	4.0	2.6	3.3	4.0
164.0							2.4	2.9	3.3	2.2	2.9	3.3
170.6							2.0	2.4	2.6	1.8	2.2	2.6
177.2							1.5	2.0		1.3	1.8	2.0
183.7								1.5			1.3	

\* With additional lifting equipment · Avec équipement de levage supplémentaire · Con equipamiento de elevación adicional

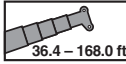
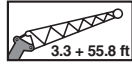
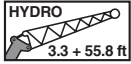
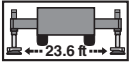

# STERLING CRANE



## LIFTING CHARTS - All Terrain Cranes

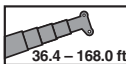
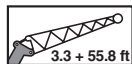

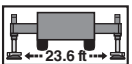

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

Operation · Utilisation · Uso

 36.4 – 168.0 ft
  3.3 + 55.8 ft
  HYDRO 3.3 + 55.8 ft
  23.6 ft
  360°
 **22,487 lbs**
**ASME**

lbs x 1,000

ft	36.4 ft + 3.3 ft + 55.8 ft			108.9 ft + 3.3 ft + 55.8 ft			157.2 ft + 3.3 ft + 55.8 ft			168.0 ft + 3.3 ft + 55.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
11.5	12.8											
13.1	12.8											
14.8	12.8											
16.4	12.8											
19.7	12.8											
23.0	12.8											
26.2	12.8			9.3								
29.5	12.8			9.3								
32.8	12.8	11.7		9.3								
36.1	12.8	11.0		9.3								
39.4	12.6	10.6		9.3			6.4					
45.9	11.2	9.7		9.3			6.4			6.0		
52.5	10.4	9.0	7.1	9.3	9.3		6.4			6.0		
59.1	9.3	8.2	6.6	9.3	9.0		6.4			6.0		
65.6	8.2	7.5	6.2	9.3	8.6	7.1	6.4	6.4		6.0		
72.2	7.3	6.8	5.7	9.3	8.4	6.8	6.4	6.4		6.0	6.0	
78.7	6.6	6.4	5.5	9.3	7.9	6.6	6.4	6.4		6.0	6.0	
85.3	6.0	6.2		8.4	7.7	6.4	6.4	6.4	6.4	6.0	6.0	6.0
91.9				7.1	7.5	6.2	6.4	6.4	6.2	6.0	6.0	5.7
98.4				5.7	7.3	6.0	5.5	6.4	6.0	5.3	6.0	5.7
105.0				4.6	6.0	5.7	4.4	6.0	5.7	4.2	5.7	5.5
111.5				3.7	4.9	5.7	3.5	4.9	5.5	3.3	4.6	5.3
118.1				3.1	4.0	4.6	2.6	4.0	4.9	2.4	3.7	4.9
124.7				2.2	3.1	3.7	2.0	3.1	4.0	1.8	2.9	3.7
131.2				1.8	2.4	2.9	1.3	2.4	3.1	1.1	2.2	3.1
137.8				1.1	1.8			1.8	2.4		1.5	2.2
144.4					1.1			1.1	1.8			1.5
150.9									1.1			

 36.4 – 168.0 ft
  3.3 + 55.8 ft
  HYDRO 3.3 + 55.8 ft
  23.6 ft
  360°
 **13,228 lbs**
**ASME**

lbs x 1,000

ft	36.4 ft + 3.3 ft + 55.8 ft			108.9 ft + 3.3 ft + 55.8 ft			157.2 ft + 3.3 ft + 55.8 ft			168.0 ft + 3.3 ft + 55.8 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
11.5	12.8											
13.1	12.8											
14.8	12.8											
16.4	12.8											
19.7	12.8											
23.0	12.8											
26.2	12.8			9.3								
29.5	12.8			9.3								
32.8	12.8	11.7		9.3								
36.1	12.8	11.0		9.3								
39.4	12.6	10.6		9.3			6.4					
45.9	11.2	9.7		9.3			6.4			6.0		
52.5	10.4	9.0	7.1	9.3	9.3		6.4			6.0		
59.1	9.3	8.2	6.6	9.3	9.0		6.4			6.0		
65.6	8.2	7.5	6.2	9.3	8.6	7.1	6.4	6.4		6.0		
72.2	7.3	6.8	5.7	9.3	8.4	6.8	6.4	6.4		6.0	6.0	
78.7	6.6	6.4	5.5	7.5	7.9	6.6	6.4	6.4		6.0	6.0	
85.3	6.0	6.2		6.2	7.7	6.4	5.7	6.4	6.4	5.5	6.0	6.0
91.9				4.9	6.4	6.2	4.6	6.4	6.2	4.4	6.0	5.7
98.4				3.7	5.1	6.0	3.5	5.1	6.0	3.3	4.9	5.7
105.0				2.9	4.0	5.1	2.6	4.0	5.1	2.4	3.7	5.1
111.5				2.0	3.1	4.0	1.8	3.1	4.2		2.9	4.0
118.1				1.3	2.4	3.1		2.2	3.3		2.2	3.1
124.7					1.5	2.2		1.5	2.4			2.2
131.2						1.3			1.8			1.5



## LIFTING CHARTS - All Terrain Cranes

### TADANO MODEL ATF100G-4 - 110 TON CAPACITY

#### Equipment

##### Carrier

**Frame:** Torsion-resistant, welded construction made from high strength, fine-grained steel. Central lubricating system.

**Outriggers:** 4-point double telescopic hydraulic outriggers incl. asymmetric outrigger base and automatic length detection. Controls on both sides of carrier and in superstructure cab. Outrigger base 23.6 ft/ 7.2 m (19.7 ft/ 6.0 m, 16.4 ft/ 5.0 m) x 28 ft/ 8.54 m.

**Engine:** Mercedes-Benz 6 cylinder model OM 470 LA (EU Stage IV / EPA Tier 4f), water-cooled diesel engine. Engine displacement 10.7 l. Rated at 435 HP (320 kW) at 1700 min<sup>-1</sup>. Torque 1,549 ft-lbs/ 2100 Nm (214 kpm) at 1300 min<sup>-1</sup>. Engine rating according to ECE R 120. Fuel tank: 106 gal/ 400 l. AdBlue tank: 11 gal/ 40 l.

**Transmission:** Main transmission: mechanical ZF AS-Tronic transmission, type 12 AS 2531, with integrated intarder, electro-pneumatically actuated dry clutch and fully automatic transmission control system. 12 forward gears and 2 reverse gears. If necessary, semi-automatic mode (Tip-Tronic) is possible with manual gear selection.

**Transfer case:** Two stage.

**Drive:** 8 x 6

##### Axles:

- 1<sup>st</sup> axle: steered, not driven.
- 2<sup>nd</sup> axle: steered, driven, with transverse differential lock.
- 3<sup>rd</sup> axle: steered, driven, with transverse and longitudinal differential lock.
- 4<sup>th</sup> axle: steered, driven, with transverse differential lock.

**Suspension:** Hydro-pneumatic with levelling adjustment.

**Brake system:** Service disk brakes: dual circuit compressed air system. ABS system. Parking brake: spring loaded type acting on 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> axles. Auxiliary brakes: Intarder and engine brake.

**Tyres:** (8) 445/95 R 25 (16.00 R 25).

**Steering system:** ZF-Servocom, dual circuit hydraulic steering with emergency steering pump, electro-hydraulically assisted steering of front two axles and automatic steering of the 4<sup>th</sup> axle up to a travel speed of 15.5 mph/ 25km/h. 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's seat with heater), air conditioning, engine dependent water heater, radio/CD-player, complete controls and instrumentation for road travel. Cruise control with hill braking feature.

**Electrical system:** 24 V DC system, 2 batteries, outrigger area lighting. Electrical system conforms with EEC regulations.

##### Optional equipment: (at extra charge)

Towing attachment, engine independent additional heater with engine pre-heat, 8 x 8 drive, 525/80 R 25 (20.5 R 25) tyres, spare wheel and tyre, special painting and lettering. Further optional equipment available upon request.

##### Superstructure

**Frame:** Torsion-resistant, all-welded structure. Connected to carrier by single-row, ball-bearing slewing ring with external gearing for 360° continuous rotation. Central lubricating system.

**Engine:** Mercedes-Benz 4 cylinder model OM 934 LA (EU Stage IV / EPA Tier 4f), water cooled diesel engine. RPM infinitely variable via foot pedal, engine displacement 5.1 l, rating 175 HP (129 kW) at 2200 min<sup>-1</sup>. Torque 553 ft-lbs/ 750 Nm (77 kpm) at 1200 - 1600 min<sup>-1</sup>. Engine rating according to ECE R 120. Fuel tank: 58 gal/ 220 l. AdBlue tank: 5 gal/ 19 l.

**Hydraulic system:** Three circuit diesel hydraulic system with 1 power controlled double axial piston pump (electro-hydraulically adjustable), 1 axial piston pump and 2 gear pumps, oil cooler.

**Controls:** Electrical, 2 joy-stick levers for simultaneous operation of crane motions.

**Telescopic boom:** 6 sections, made of high tensile, fine-grained steel, consisting of 1 base section and 5 telescoping sections extended by means of a single telescopic cylinder. All telescope sections extendable hydraulically under partial load. 36.4 ft/ 11.1 m to 168.0 ft/ 51.2 m long. Boom head with 7 sheaves. Jib bracket.

**Boom elevation:** 1 double acting hydraulic cylinder with integral brake and holding valve.

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

**Slewing system:** Axial piston motor with two-stage planetary gear equipped with a foot actuated service and a parking brake. Speed infinitely variable 0 - 2 min<sup>-1</sup>.

**Counterweight:** Standard 13,228 lbs/ 6.0 t, 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 mechanically cushioned adjustable seat with heater, engine independent water heater with engine pre-heat, air conditioning, radio/CD-player, complete controls and instrumentation for crane operation, on-site travelling and outriggers.

**Electrical system:** 24 V DC system, 2 batteries.

**Safety devices:** Electronic load moment limiter (LMB) with pilot lamp in several colors, slewing area limitation and working area limiter with 'Slow-Stop' feature, hoist limit switch, lower limit switch, safety valves protect against pipe and hose failures.

**Dolly kit:** Slewing gear unfixed & boom socket

##### Optional equipment: (at extra charge)

'Lift Adjuster', jib 3.3 ft + 29.5 ft/ 1 m + 9 m, 3.3 ft + 55.8 ft/ 1 m + 17m, offsets 0°, 20° and 40° or hydraulically 0°- 40°, heavy duty fly jib 1.3 ft + 4.3 ft/ 0.4 m + 1.3 m, additional counterweight 36,376 lbs/ 16.5 t, selection of hook blocks, auxiliary winch, additional oil cooler, special painting and lettering. Further optional equipment available on request.

## Additional information · Informations supplémentaires · Información adicional

### Remarks relating to the capacity charts · Remarques relatives aux tableaux des charges Notas relativas a los graficos de carga

1. *The rated lifting capacities conform to ASME B30.5-1.1. Capacities shown are for reference only. Please refer to the original lifting capacity charts for operations.*
  2. *For operation in wind, as these limits change with configuration changes, please refer to the cranes lifting capacity charts to determine safe operating limits.*
  3. *The lifting capacities are indicated in 1,000 lbs.*
  4. *The weight of load handling devices such as hook blocks, slings, etc., must be considered as part of the load and must be deducted from the lifting capacities.*
  5. *The lifting capacities for the telescopic boom apply to a crane with no jib being stowed or mounted on the crane.*
  6. *The working radius is the horizontal distance from the centre of rotation to the centre of the freely suspended non-oscillating load.*
- 
1. *Les charges de levage nominales sont en conformité avec ASME B30.5-1.1. Les charges de levage indiquées sont uniquement des valeurs indicatives. Pour les travaux réels, voir les tableaux de charges originaux.*
  2. *En fonction de la longueur de la flèche, des vitesses du vent jusqu'à 49 fps/ 15 m/s maxi. sont admissibles avec les tableaux des charges. A cause des séquences d'extension différentes des télescopes individuels, les longueurs de flèche peuvent varier légèrement par rapport aux valeurs indiquées dans les tableaux de charge.*
  3. *Les forces de levage sont indiquées en 1,000 lbs.*
  4. *Le poids du crochet-moufle et de tous les accessoires d'élingage font partie de la charge et sont à déduire des charges indiquées.*
  5. *Les forces de levage indiquées pour la flèche télescopique s'entendent rallonge de flèche déposée.*
  6. *Comme portée, on entend la distance horizontale du centre de la couronne de rotation au centre de la charge librement suspendue et non oscillante.*
- 
1. *Las cargas nominales son en conformidad con ASME B30.5-1.1. Las cargas indicadas son únicamente valores indicativos. Para los trabajos, consúltense las tablas de carga originales.*
  2. *En función de la longitud de la pluma, las tablas de carga permiten velocidades del viento hasta un máximo de 49 fps/ 15 m/s. Debido a las diferentes secuencias de extensión de los telescopios, puede haber algunas variaciones insignificantes con respecto a las longitudes de pluma indicadas en las tablas de carga.*
  3. *Las capacidades de carga indicadas en las tablas se indican en 1,000 lbs.*
  4. *Hay que deducir los pesos del gancho, eslingas y de otros dispositivos para fijación de cargas de los valores indicados en las tablas.*
  5. *Las capacidades de carga referentes a la pluma telescópica valen solamente si el alargamiento de pluma está desmontado.*
  6. *Como alcance se entiende la distancia horizontal desde el centro de la corona de giro hasta el centro de la carga suspendida libremente y no oscilante.*


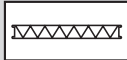


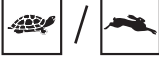






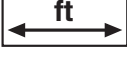



### General remarks · Remarques générales · Notas adicionales

*Illustrations and measurements in this brochure are approximations and are presented for informational and descriptive purposes only. For all lift planning and operating requirements, consult the equipment's load charts and operations manuals. Read and follow all safety precautions in these manuals and load charts for safe operation of the crane. Improper use of the equipment may cause serious or fatal bodily injury and significant property damage. Some specifications are subject to change without notice.*

*Les illustrations et indications de mesure doivent être considérées comme approximatives dans cette brochure et ne servent que d'information et à la compréhension. Des informations sur la prévision de course et les impératifs de fonctionnement sont données dans les tableaux de charges et les manuels d'utilisation de l'équipement. Lire et respecter toutes les mesures de sécurité indiquées dans ces manuels et les tableaux de charges afin de sécuriser le fonctionnement de la grue. Une utilisation non conforme de l'équipement peut être à l'origine de graves blessures et même de la mort et causer des dommages matériels considérables. Sous réserve de modification de quelques caractéristiques techniques sans préavis.*

*Las ilustraciones y las dimensiones presentadas en este folleto son aproximaciones y sólo tienen fines informativos y descriptivos. Para planificar cualquier elevación y para los requisitos operativos, consultar las tablas de carga y los manuales de operación del equipo. Leer y observar todas las precauciones de seguridad indicadas en estos manuales y estas tablas de carga para una operación segura de la grúa. El uso indebido del equipo puede causar lesiones graves o mortales y daños materiales importantes. Algunas especificaciones están sujetas a cambios sin previo aviso.*

# Symbols · Glossaire des symboles · Glosario de símbolos

	Gross weight · Poids total · Peso total		Fly jib section · Élément de fléchette · Plumín
	Axle load · Charge à l'essieu · Carga por eje		Dolly · Chariot de transport dolly · Carro tipo dolly
	Drive · Entraînement · Tracción		Swing area · Rayon de rotation · Zona de giro
	Tyres · Pneus · Neumáticos		Superstructure lock · Verrouillage de la superstructure Bloqueo de la superestructura
	Gradeability · Capacité de gravissement de pente Superación de pendientes		Hydraulically lockable · Verrouillable hydrauliquement Con embulonamiento hidráulico
	Off road / On road · Tout-terrain / Mode "Route" Todo terreno / En carretera		Main winch · Mécanisme de levage Cabrestante principal
	Speed · Vitesse · Velocidad		Auxiliary winch · Treuil supplémentaire Cabrestante auxiliar
	Outriggers · Calage · Estabilizadores		Rated capacity Capacité nominale Capacidad nominal
	On tyres · Sur pneus · Sobre neumáticos		Lifting capacity · Charge de levage · Carga Portata
	Counterweight · Contrepoids · Contrapeso		Rope sheaves · Poulies de câbles · Poleas de cable
	Counterweight element · Élément de contrepoids Parte del contrapeso		Parts of line · Brins de câble · Ramales de cable
	Length · Longueur · Longitud		Dead-weight · Poids total · Tara
	Boom elevation · Mécanisme de relevage Elevación de pluma		Wire rope length · Longueur du câble de levage Longitud del cable
	Boom telescoping · Télescopage de flèche Telescopaje de pluma		Wire rope diameter · Diamètre du câble de levage Diámetro del cable de elevación
	Telescopic boom · Flèche télescopique Pluma telescópica		Maximum wire rope pulling force Force de traction maxi. du câble de levage Fuerza de tracción máxima del cable de elevación
	Radius · Portée · Radio		Weight · Poids · Peso
	Tiltable jib · Fléchette inclinable · Plumín regulable	<b>US t</b> <b>t</b>	= short tons · tonnes américaines · toneladas cortas = metric tons · tonnes métriques · toneladas métricas
	Hydraulically tiltable jib Fléchette inclinable hydrauliquement Plumín regulable hydrauliquement	<b>ASME</b>	Standard by The American Society of Mechanical Engineers Norme délivrée par The American Society of Mechanical Engineers Norma emitida por The American Society of Mechanical Engineers