



300 TON ALL TERRAIN



NESS & CAMPBELL
CRANE, INC.



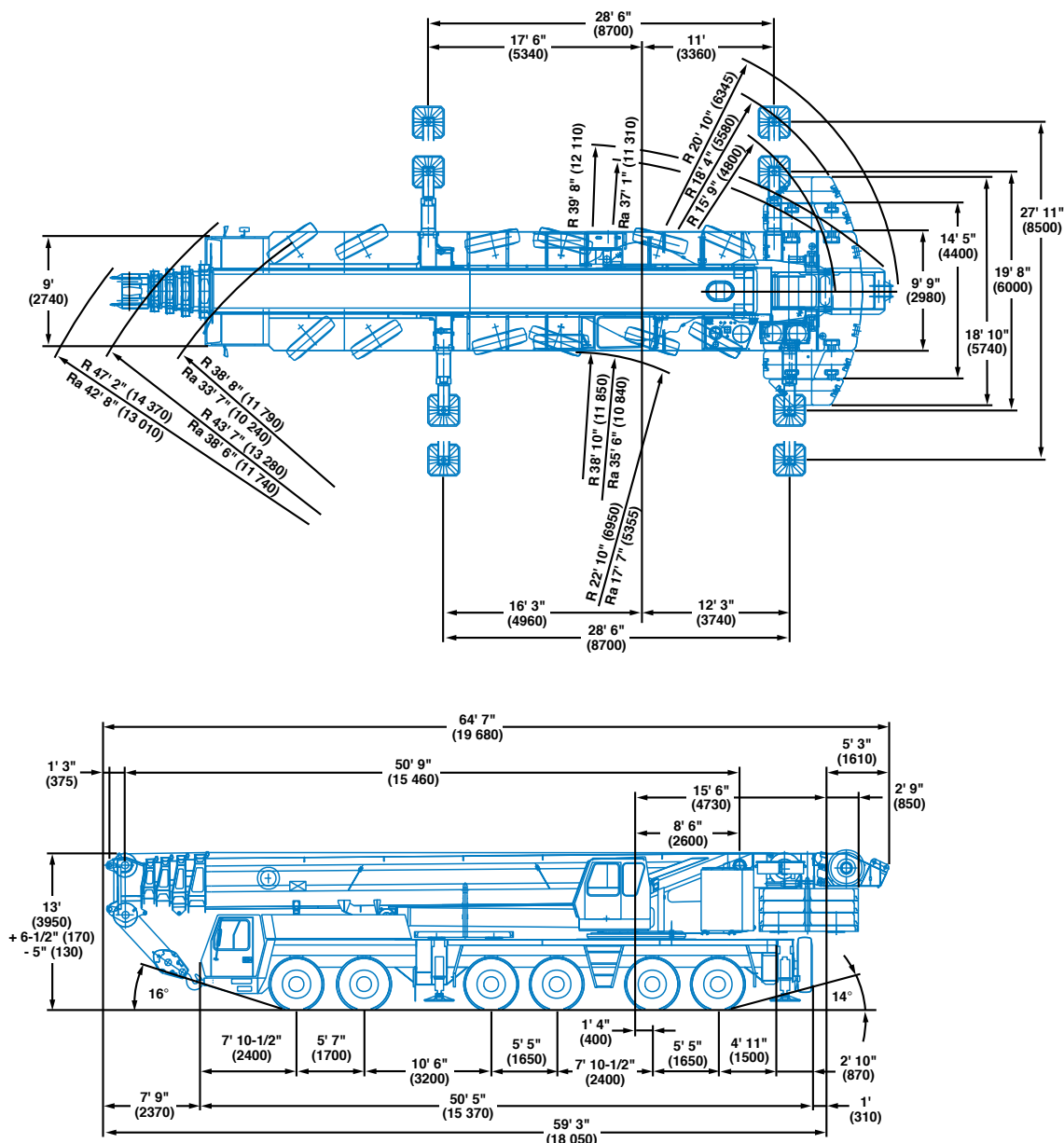


Notes:





Dimensions



Note: () Reference dimensions in mm

BASIC WEIGHTS (LBS.)

	Axles 1 & 2	Axles 3 - 6	Total
With Mercedes Power	50,278	107,369	157,648
With Cummins Power	50,640	107,713	158,353

Additions:

Outrigger Pads	-	772	772
Removable rear outrigger box option	-(1,197)	3,402	2,205
Auxiliary Hoist	-(5,362)	11,446	6,081

Removal:

Front Outrigger Beams & Jacks	-(3,377)	-(1,980)	-(5,357)
Rear Outrigger Beams & Jacks	3,732	-(9,652)	-(5,920)
Outrigger Box (must add weight above for option)	6,457	-(16,819)	-(10,362)
Substitute 14.00 tires for standard 20.5	-(900)	-(1,800)	-(2,700)
Boom Assembly (minus lift cylinder)*	-(32,245)	-(23,995)	-(56,240)
Telescope Sections 1-4*	-(23,034)	-(13,783)	-(36,817)
Lift Cylinder*	-(2,121)	-(3,258)	-(5,379)

*Reflects weights with superstructure facing forward

This information is for reference use only. Operators manual should be consulted and adhered to. Please contact NESS & CAMPBELL CRANE at info@nessandcampbell.com for further information.



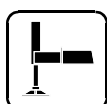
Working range



51 - 197 ft.
(15.5 - 60 m)



220,458 lbs.
(100 000 kg)

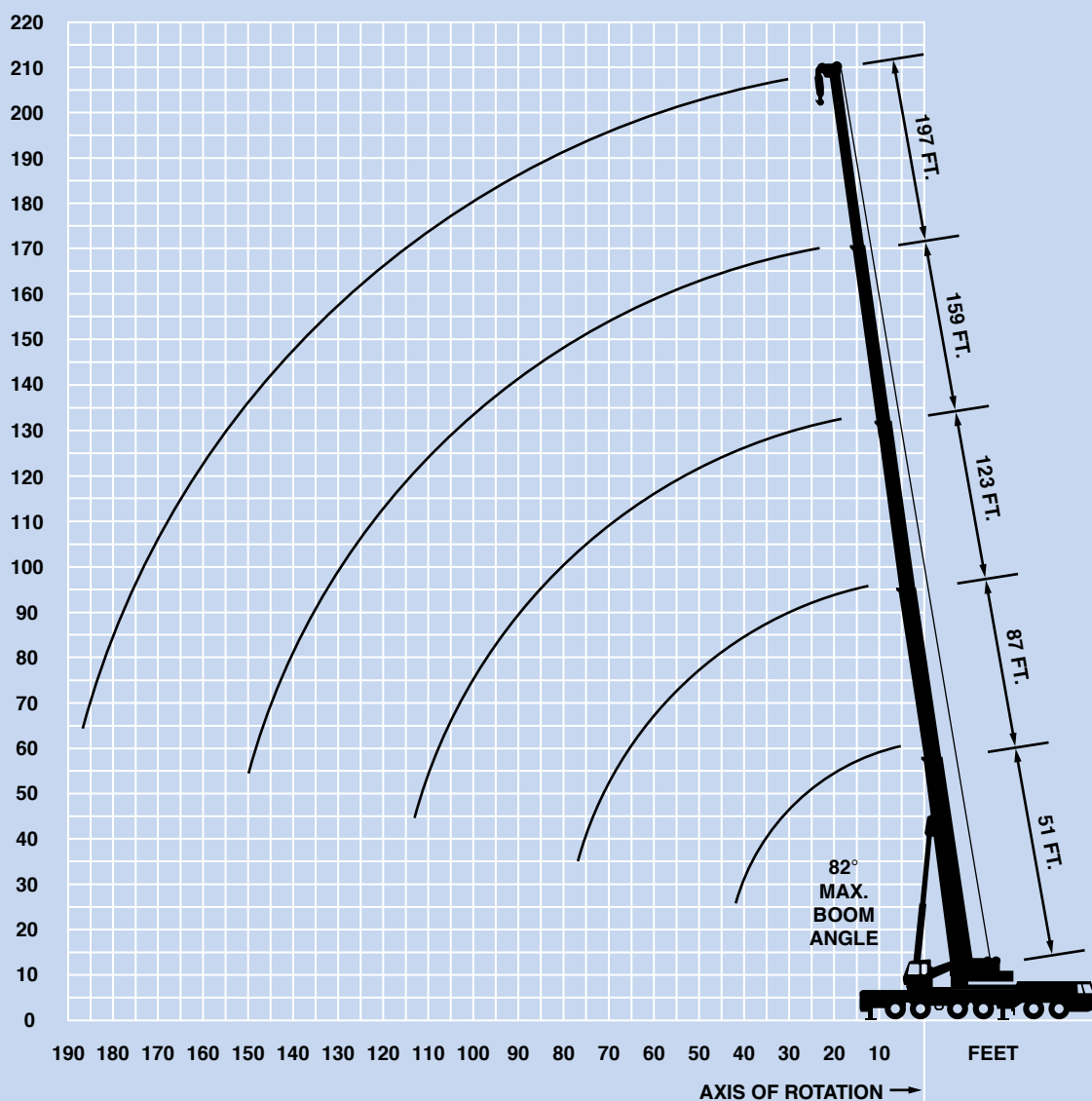


100%



360°

FEET



													
51 - 197 ft. (15.5 - 60.0 m)	220,458 lbs. (100 000 kg)	100% 28' 6" Spread	360°										
	 Pounds												
Feet	51**	51	72	87	93	108	114	136	160	181	197		
*9	600.0												
10		470.0	388.0	290.0									
15		372.0	370.0	282.0	252.0	204.0							
20		306.0	302.0	258.0	224.0	201.0	177.0	140.0					
25		258.0	254.0	230.0	200.0	189.0	160.0	134.0					
30		222.0	222.0	203.0	178.0	173.0	144.0	123.0	95.0	73.0	59.0		
35		188.0	188.0	181.0	160.0	156.0	130.0	113.0	95.0	73.0	59.0		
40			162.0	157.0	145.0	141.0	118.0	104.0	94.0	73.0	59.0		
45			142.0	137.0	132.0	128.0	107.0	95.0	90.0	73.0	59.0		
50			126.0	123.0	122.0	117.0	99.0	88.0	85.0	73.0	59.0		
55			112.0	112.0	110.0	107.0	91.0	81.0	79.0	71.0	59.0		
60				101.0	99.0	98.0	84.0	74.0	74.0	68.0	59.0		
65				91.0	89.0	88.0	78.0	70.0	69.0	64.0	58.0		
70				82.0	80.0	79.0	73.0	65.0	65.0	60.0	55.0		
75				46.0	73.0	71.0	68.0	61.0	61.0	57.0	52.0		
80						65.0	64.0	57.0	57.0	53.0	50.0		
85						59.0	60.0	53.0	53.0	50.0	47.0		
90						54.0	56.0	50.0	50.0	47.0	45.0		
95						39.4	53.0	47.0	47.0	45.0	43.0		
100								44.0	44.0	42.2	40.8		
105								42.6	42.0	40.2	38.8		
110								40.6	39.8	38.2	37.0		
115								38.6	37.6	36.0	35.0		
120								36.6	35.8	34.4	33.4		
125									34.0	32.6	31.8		
130									32.0	30.8	30.0		
135									29.8	29.2	28.4		
140									23.6	27.4	26.8		
145									22.2	25.6	25.2		
150									19.4	24.2	23.8		
155										23.2	22.8		
160										22.4	22.0		
165										18.0	21.0		
170										15.6	20.2		
175											19.2		

*Lifting capacities greater than 430,000 lbs. (195 050 kg) require special equipment. **Over rear only, 28' 6" x 9' 4" (100% Front, 0% Rear) outrigger base.

													
51 - 197 ft. (15.5 - 60.0 m)	220,458 lbs. (100 000 kg)	50% 19' 8" Spread	360°										
	 Pounds												
Feet	50.72	71.78	71.95	72.05	72.21	86.51	87.01	87.5	87.99				
10	526.0	242.0	133.0	189.0	388.0	290.0	206.0	146.0					
15	400.0	242.0	133.0	189.0	382.0	282.0	206.0	146.0	121.0				
20	332.0	242.0	133.0	189.0	316.0	258.0	206.0	146.0	121.0				
25	268.0	242.0	133.0	189.0	264.0	230.0	205.0	138.0	107.0				
30	222.0	222.0	127.0	178.0	218.0	203.0	181.0	122.0	95.0				
35	188.0	188.0	115.0	159.0	184.0	181.0	162.0	109.0	85.0				
40		162.0	105.0	144.0	159.0	157.0	147.0	99.0	78.0				
45		142.0	97.0	130.0	138.0	137.0	133.0	90.0	71.0				
50		126.0	90.0	120.0	122.0	121.0	123.0	83.0	65.0				
55		112.0	84.0	110.0	109.0	107.0	112.0	76.0	61.0				
60						96.0	101.0	70.0	56.0				
65						86.0	91.0	66.0	53.0				
70						77.0	82.0	61.0	49.0				
75									46.0				



										
51 - 197 ft. (15.5 - 60.0 m)	110,229 lbs. (50 000 kg)	100% 28' 6" Spread	360°							
	 Pounds									
Feet	51	72	87	93	108	114	136	160	181	197
10	448.0	388.0	290.0							
15	356.0	352.0	282.0	252.0	204.0					
20	280.0	278.0	258.0	224.0	201.0	177.0	140.0			
25	224.0	224.0	219.0	200.0	189.0	160.0	134.0			
30	183.0	183.0	181.0	178.0	173.0	144.0	123.0	95.0	73.0	59.0
35	150.0	154.0	150.0	148.0	147.0	130.0	113.0	95.0	73.0	59.0
40		130.0	126.0	124.0	122.0	118.0	104.0	94.0	73.0	59.0
45		112.0	108.0	110.0	103.0	107.0	95.0	90.0	73.0	59.0
50		94.0	90.0	94.0	94.0	92.0	88.0	85.0	73.0	59.0
55		83.0	77.0	81.0	80.0	78.0	81.0	74.0	71.0	59.0
60			70.0	70.0	69.0	71.0	71.0	65.0	66.0	59.0
65			62.0	61.0	61.0	65.0	62.0	58.0	59.0	58.0
70			55.0	56.0	53.0	58.0	55.0	52.0	53.0	53.0
75			46.0	52.0	49.0	51.0	49.0	47.0	48.0	48.0
80					46.0	46.0	43.6	45.0	45.0	43.8
85					42.4	41.4	38.8	41.8	41.6	39.8
90					38.2	37.4	34.8	39.0	37.6	36.0
95					34.6	33.6	31.2	35.4	34.0	32.4
100							28.0	32.2	30.8	29.2
105							25.2	29.2	27.8	26.4
110							22.6	26.6	25.4	23.8
115							20.2	24.4	23.0	21.4
120							18.0	22.2	20.8	19.4
125								20.2	19.0	17.4
130								18.6	17.2	15.6
135								16.8	15.6	14.0
140								15.4	14.0	12.4
145								13.8	12.6	11.0
150								12.6	11.4	9.8
155									10.0	8.6
160									9.0	7.4
165									7.8	6.4
170									6.8	5.4
175										4.6

										
51 - 197 ft. (15.5 - 60.0 m)	17,637 lbs. (8 000 kg)	100% 28' 6" Spread	360°							
	 Pounds									
Feet	51	72	87	93	108	114	136	160	181	197
10	432.0	388.0	290.0							
15	316.0	310.0	278.0	252.0	204.0					
20	224.0	198.0	180.0	180.0	165.0	156.0	140.0			
25	157.0	144.0	136.0	130.0	119.0	124.0	108.0			
30	109.0	111.0	100.0	104.0	98.0	94.0	82.0	82.0	69.0	59.0
35	79.0	85.0	84.0	81.0	77.0	74.0	65.0	66.0	59.0	54.0
40		66.0	67.0	65.0	62.0	59.0	51.0	54.0	48.0	43.4
45		52.0	55.0	53.0	51.0	48.0	41.0	43.8	39.0	35.0
50		41.6	44.0	43.6	41.6	39.4	33.0	36.4	32.0	28.6
55		32.8	35.8	35.4	34.4	32.4	26.6	30.2	26.4	23.2
60			29.2	28.8	28.8	26.8	21.4	25.4	21.8	18.8
65			23.8	23.4	23.6	22.2	17.2	21.2	18.0	15.2
70			19.4	19.2	19.2	18.2	13.6	17.8	14.6	12.0
75			15.8	15.6	15.6	14.6	10.6	14.8	11.8	9.4
80					12.6	11.6	8.0	12.2	9.4	7.0
85					10.0	9.0	5.6	9.8	7.2	4.8
90					7.8	6.8	3.6	7.8	5.4	
95					5.8	5.0		6.0	3.6	
100								4.6		

										
51 - 197 ft. (15.5 - 60.0 m)	0 lbs. (0 kg)	100% 28' 6" Spread	360°							
	 Pounds									
Feet	51	72	87	93	108	114				
10	428.0	388.0	290.0							
15	298.0	230.0	197.0							
20	172.0	149.0	134.0	189.0	156.0		115.0			
25	114.0	107.0	100.0	96.0	88.0		83.0			
30	79.0	77.0	74.0	71.0	65.0		61.0			
35	57.0	57.0	56.0	54.0	50.0		46.0			
40		43.6	43.2	41.4	38.4		35.8			
45		33.8	34.0	32.6	30.2		28.0			
50		26.4	27.0	25.8	24.0		21.8			
55		20.2	21.6	20.6	19.0		17.0			
60			17.4	16.2	15.0		13.2			
65			13.8	12.8	11.6		9.8			
70			10.4	9.8	8.8		7.2			
75			7.6	7.2	6.4		4.8			
80					4.2					

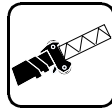




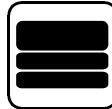
Working Range



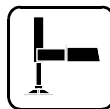
51 - 197 ft.
(15.5 - 60 m)



62 - 167 ft.
(19.0 - 51.0 m)



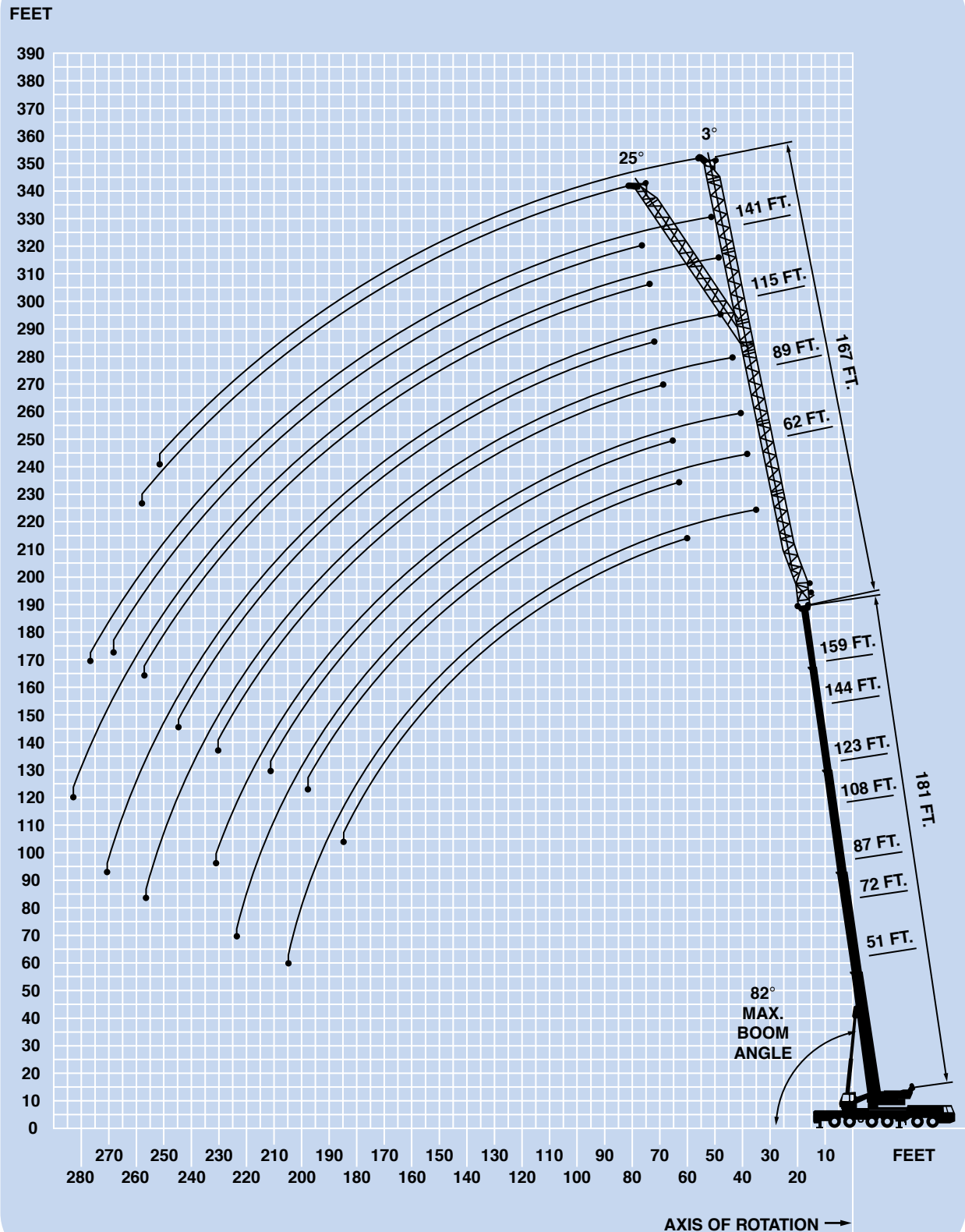
220,458 lbs.
(100 000 kg)



100%



360°





	51 - 197 ft. (15.5 - 60.0 m)		62 - 167 ft. (19.0 - 51.0 m)		220,458 lbs. (100 000 kg)		100% 28' 6" Spread		360°	
	Pounds									
Feet	62 FT		89 FT		115 FT		141 FT		167 FT	
	3°	25°	3°	25°	3°	25°	3°	25°	3°	25°
50	21.8									
55	21.8									
60	21.8	21.2	15.8							
65	21.8	21.2	15.8							
70	21.8	21.2	15.8		11.0					
75	21.8	21.2	15.8		11.0					
80	21.8	21.2	15.8	15.8	11.0		9.2			
85	21.8	21.2	15.8	15.8	11.0		9.2			
90	21.8	21.2	15.8	15.8	11.0		9.2		6.0	
95	21.8	21.2	15.8	15.8	11.0		9.2		6.0	
100	21.2	20.8	15.8	15.8	11.0	11.0	9.2		6.0	
105	20.2	20.0	15.8	15.8	11.0	11.0	9.2		6.0	
110	19.4	19.2	15.8	15.6	11.0	11.0	9.2		6.0	
115	18.6	18.4	15.8	15.2	11.0	11.0	9.2	9.2	6.0	
120	17.8	17.8	15.4	14.8	11.0	11.0	9.2	9.2	6.0	5.6
125	17.0	17.0	14.6	14.4	11.0	11.0	9.2	9.2	6.0	5.6
130	16.4	16.2	14.0	14.0	11.0	10.8	9.2	9.0	6.0	5.6
135	15.6	15.6	13.4	13.4	10.8	10.6	9.0	8.8	6.0	5.6
140	15.0	15.0	13.0	13.0	10.6	10.2	8.6	8.6	6.0	5.6
145	14.4	14.4	12.4	12.4	10.2	10.0	8.4	8.2	6.0	5.6
150	13.8	13.8	11.8	12.0	10.0	9.8	8.2	8.0	5.8	5.6
155	13.2	13.4	11.4	11.4	9.6	9.4	7.8	7.8	5.6	5.6
160	12.8	12.8	10.8	11.0	9.2	9.2	7.6	7.4	5.4	5.6
165	12.2	12.2	10.4	10.4	8.8	8.8	7.2	7.2	5.2	5.4
170	11.8	11.8	10.0	10.0	8.4	8.6	7.0	7.0	5.0	5.2
175	11.2	11.4	9.6	9.6	8.0	8.2	6.6	6.6	4.8	5.0
180	10.8	11.0	9.2	9.2	7.6	7.8	6.2	6.4	4.6	4.8
185	10.4	10.4	8.8	8.8	7.2	7.6	6.0	6.2	4.4	4.6
190	10.0	10.0	8.4	8.4	7.0	7.2	5.6	5.8	4.2	4.4
195	9.6	9.6	8.0	8.0	6.6	6.8	5.2	5.6	4.0	4.2
200	9.2	9.2	7.6	7.8	6.2	6.6	5.0	5.4	3.8	4.0
205	8.6	8.8	7.2	7.4	6.0	6.2	4.6	5.0	3.6	3.8
210	8.2		7.0	7.2	5.6	6.0	4.4	4.8	3.2	3.6
215	7.8		6.6	6.8	5.4	5.6	4.2	4.6	3.0	3.4
220	7.4		6.4	6.6	5.2	5.4	3.8	4.2		3.2
225	7.0		6.0	6.2	4.8	5.0	3.6	4.0		3.0
230	6.2		5.8	6.0	4.6	4.8	3.4	3.6		
235	5.4		5.4	5.6	4.4	4.6	3.2	3.4		
240			5.2		4.0	4.4	3.0	3.2		
245			5.0		3.8	4.0	2.8	3.0		
250			4.2		3.6	3.8		2.8		
255			3.6		3.4	3.6				
260					3.2					

	51 - 197 ft. (15.5 - 60.0 m)		62 - 167 ft. (19.0 - 51.0 m)		110,229 lbs. (50 000 kg)		100% 28' 6" Spread		360°	
	Pounds									
Feet	62 FT		89 FT		115 FT		141 FT		167 FT	
	3°	25°	3°	25°	3°	25°	3°	25°	3°	25°
50	21.8									
55	21.8									
60	21.8	21.2	15.8							
65	21.8	21.2	15.8							
70	21.8	21.2	15.8		11.0					
75	21.8	21.2	15.8		11.0					
80	21.8	21.2	15.8	15.8	11.0		9.2			
85	21.8	21.2	15.8	15.8	11.0		9.2			
90	21.8	21.2	15.8	15.8	11.0		9.2		6.0	
95	21.8	21.2	15.8	15.8	11.0		9.2		6.0	
100	21.2	20.8	15.8	15.8	11.0	11.0	9.2		6.0	
105	20.2	20.0	15.8	15.8	11.0	11.0	9.2		6.0	
110	19.4	19.2	15.8	15.6	11.0	11.0	9.2		6.0	
115	18.6	18.4	15.8	15.2	11.0	11.0	9.2	9.2	6.0	
120	17.2	17.8	15.4	14.8	11.0	11.0	9.2	9.2	6.0	5.6
125	15.4	16.4	14.6	14.4	11.0	11.0	9.2	9.2	6.0	5.6
130	13.6	14.6	14.0	14.0	11.0	10.8	9.2	9.0	6.0	5.6
135	12.0	13.0	12.8	13.4	10.8	10.6	9.0	8.8	6.0	5.6
140	10.6	11.4	11.4	13.0	10.6	10.2	8.6	8.6	6.0	5.6
145	9.2	10.0	10.0	12.2	10.2	10.0	8.4	8.2	6.0	5.6
150	8.0	8.6	8.6	10.8	9.2	9.8	8.2	8.0	5.8	5.6
155	6.8	7.4	7.4	9.4	8.0	9.4	7.8	7.8	5.6	5.6
160	5.6	6.2	6.4	8.2	6.8	9.2	7.0	7.4	5.4	5.6
165	4.4	5.2	5.2	7.0	5.8	8.8	6.0	7.2	5.2	5.4
170	3.4	4.0	4.2	6.0	4.8	7.6	5.0	7.0	5.0	5.2
175		3.0	3.4	5.0	3.8	6.4	4.0	6.6	4.2	5.0
180				4.0	3.0	5.4	3.2	5.8	3.2	4.8
185				3.0		4.6		4.8		4.6
190						3.6		4.0		4.2
195						2.6		3.0		3.2





Working Range



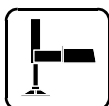
51 - 181 ft.
(15.5 - 55 m)



69 - 200 ft.
(21.0 - 61.0 m)



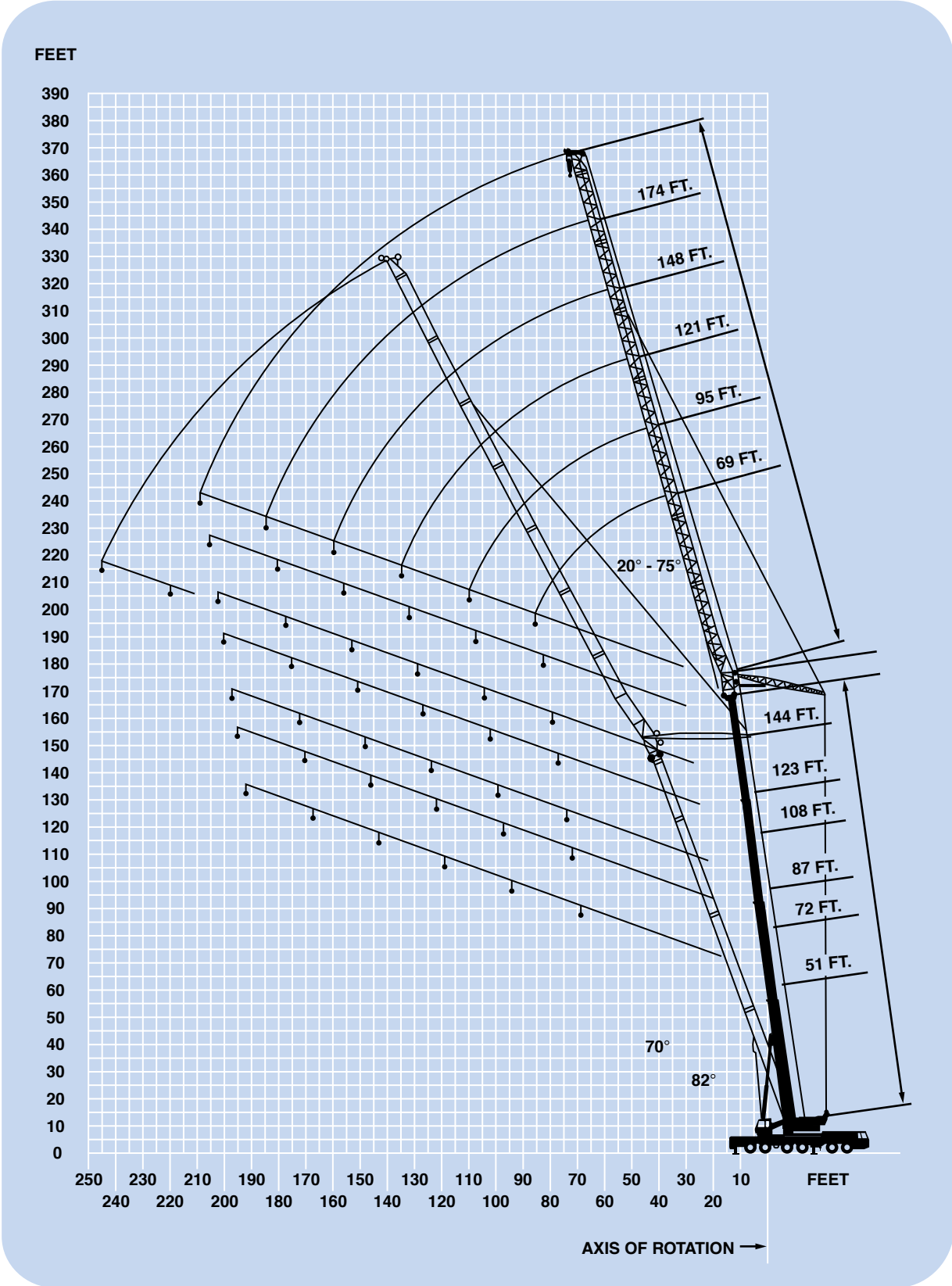
220,458 lbs.
(100 000 kg)



100%



360°



												
51 - 181 ft. (15.5 - 55.0 m)	69 ft. (21.0 m)	220,458 lbs. (100 000 kg)	100% 28' 6" Spread	360°								
	 Pounds											
70° MAIN BOOM ANGLE												
Feet	51	72	87	108	123	144	160	181				
55	102.0											
60	96.0											
65	89.0	89.0										
70	77.0	84.0										
75	65.0	78.0	69.0									
80		72.0	65.0									
85		66.0	62.0	47.0								
90			59.0	45.0								
95				43.0	35.0							
100					33.6							
105					32.2	25.8						
110						25.0						
115							20.0					
120								15.6				
125								15.2				

												
51 - 181 ft. (15.5 - 55.0 m)	95 ft. (37.0 m)	220,458 lbs. (100 000 kg)	100% 28' 6" Spread	360°								
	 Pounds											
70° MAIN BOOM ANGLE												
Feet	51	72	87	108	123	144	160	181				
65	78.0											
70	78.0											
75	75.0											
80	69.0	67.0										
85	62.0	67.0	60.0									
90	55.0	63.0	57.0									
95	49.0	60.0	55.0									
100	43.4	56.0	52.0	39.6								
105	37.6	51.0	51.0	38.0	30.4							
110		45.0	48.0	36.4	29.2							
115			46.0	35.0	28.0							
120				33.8	27.0	21.6						
125				32.8	26.2	20.6	17.0					
130					25.4	20.0	16.2					
135						19.4	15.6					
140							15.0	12.0				
145							14.4	11.4				
150								11.0				

												
51 - 181 ft. (15.5 - 55.0 m)	121 ft. (37.0 m)	220,458 lbs. (100 000 kg)	100% 28' 6" Spread	360°								
	 Pounds											
70° MAIN BOOM ANGLE												
Feet	51	72	87	108	123	144	160	181				
80	56.0											
85	56.0											
90	55.0											
95	53.0	49.0										
100	50.0	49.0	44.0									
105	46.0	49.0	44.0									
110	42.2	49.0	44.0									
115	38.4	46.0	43.6	33.4								
120	34.8	42.4	42.4	32.0	25.6							
125	31.0	39.0	40.8	30.8	24.8	19.4						
130	27.4	35.2	39.0	29.8	23.8	18.6						
135		31.2	36.6	28.6	23.0	17.6						
140			33.8	27.6	22.2	16.8	13.4					
145			30.2	26.8	21.2	16.2	13.0					
150				26.0	20.6	15.8	12.4	9.4				
155					20.0	15.2	12.0	9.0				
160						14.8	11.4	8.6				
165						14.2	11.0	8.4				
170							10.6	8.0				
175								7.6				





								
51 - 181 ft. (15.5 - 55.0 m)	148 ft. (45.0 m)	220,458 lbs. (100 000 kg)	100% 28' 6" Spread	360°				
	 Pounds							
70° MAIN BOOM ANGLE								
Feet	51	72	87	108	123	144	160	181
95	40.2							
100	39.8							
105	39.6	35.8						
110	39.4	35.6						
115	38.4	35.4	32.2					
120	37.0	35.2	32.2					
125	35.4	35.0	32.2	27.2				
130	32.8	34.8	32.0	27.0				
135	30.2	34.6	32.0	26.6	21.6			
140	27.8	33.2	31.8	26.2	20.8			
145	25.4	30.8	31.8	25.4	20.0	15.0		
150	23.2	28.2	31.6	24.6	19.2	14.4		
155	21.0	26.0	29.8	24.0	18.4	13.8		
160		23.8	27.6	23.2	17.8	13.2	10.2	
165		21.4	25.4	22.4	17.2	12.6	9.6	
170			23.2	21.8	16.6	12.2	9.2	6.6
175				21.2	16.0	11.8	8.8	6.4
180					15.6	11.4	8.4	6.0
185						11.0	8.0	5.6
190						10.6	7.8	5.4
195							7.6	5.2
200								4.8

							
51 - 160 ft. (15.5 - 48.8 m)	174 ft. (53.0 m)	220,458 lbs. (100 000 kg)	100% 28' 6" Spread	360°			
	 Pounds						
70° MAIN BOOM ANGLE							
Feet	51	72	87	108	123	144	160
105	28.8						
110	28.6						
115	28.4						
120	28.0	25.2					
125	27.6	25.2	23.0				
130	27.0	24.8	22.8				
135	26.2	24.6	22.8				
140	25.4	24.6	22.6	19.2			
145	24.4	24.4	22.4	19.2	16.6		
150	24.0	24.0	22.2	19.0	16.6		
155	23.2	23.8	22.2	19.0	16.6		
160	22.2	23.4	22.2	19.0	16.4	11.6	
165	20.6	22.8	22.0	19.0	16.0	11.4	
170	19.0	22.4	21.8	18.8	15.4	11.2	7.8
175	17.2	20.8	21.6	18.8	15.0	10.8	7.4
180	15.6	19.2	21.0	18.6	14.4	10.4	7.0
185		17.6	19.8	18.2	14.0	10.0	6.8
190		16.0	18.6	18.0	13.4	9.6	6.4
195			17.2	17.8	13.2	9.2	6.0
200				17.4	12.8	8.8	5.8
205					12.4	8.4	5.4
210					12.2	8.2	5.2
215							5.0

						
51 - 144 ft. (15.5 - 43.9 m)	200 ft. (61.0 m)	220,458 lbs. (100 000 kg)	100% 28' 6" Spread	360°		
	 Pounds					
70° MAIN BOOM ANGLE						
Feet	51	72	87	108	123	144
120	17.0					
125	16.2					
130	15.8					
135	15.2	15.8				
140	14.8	15.2	15.2			
145	14.2	14.8	15.0			
150	13.8	14.4	14.4	13.0		
155	13.4	14.0	14.0	13.0		
160	13.0	13.4	13.4	13.0	11.0	
165	12.6	13.2	13.2	12.8	11.0	
170	12.2	12.6	12.8	12.6	11.0	7.2
175	11.8	12.2	12.4	12.4	11.0	7.2
180	11.4	12.0	12.2	12.2	11.0	7.2
185	11.2	11.6	11.8	11.8	10.8	7.2
190	10.8	11.2	11.4	11.4	10.8	7.2
195	10.6	11.0	11.2	11.2	10.8	7.2
200	10.4	10.8	11.0	11.0	10.6	7.2
205	10.2	10.6	10.6	10.6	10.6	7.0
210	10.0	10.4	10.4	10.4	10.4	7.0
215		10.0	10.2	10.2	10.0	6.8
220			10.0	10.0	9.8	6.4
225				9.8	9.6	6.2
230				9.4	9.4	6.0



								
51 - 181 ft. (15.5 - 55.0 m)	69 ft. (21.0 m)	220,458 lbs. (100 000 kg)	100% 28' 6" Spread	360°				
					Pounds			
82° MAIN BOOM ANGLE								
Feet	51	72	87	108	123	144	160	181
30	122.0							
35	122.0							
40	114.0	103.0						
45	104.0	103.0	90.0	71.0	58.0			
50	89.0	101.0	90.0	71.0	58.0	44.0		
55	76.0	93.0	90.0	71.0	58.0	44.0	34.2	
60	64.0	78.0	88.0	70.0	58.0	44.0	34.2	24.6
65	52.0	65.0	75.0	69.0	58.0	44.0	34.2	24.6
70		53.0	62.0	65.0	55.0	44.0	34.2	24.6
75					52.0	44.0	34.2	24.6
80							34.2	24.6
85							34.2	24.6

								
51 - 181 ft. (15.5 - 55.0 m)	95 ft. (29.0 m)	220,458 lbs. (100 000 kg)	100% 28' 6" Spread	360°				
					Pounds			
82° MAIN BOOM ANGLE								
Feet	51	72	87	108	123	144	160	181
40	84.0	72.0						
45	84.0	72.0	64.0					
50	84.0	72.0	64.0					
55	82.0	72.0	64.0	53.0	44.0			
60	77.0	71.0	64.0	53.0	44.0	33.2		
65	67.0	71.0	64.0	53.0	44.0	33.2	25.8	
70	60.0	66.0	64.0	53.0	44.0	33.2	25.8	
75	54.0	61.0	62.0	53.0	44.0	33.2	25.8	17.8
80	47.0	55.0	57.0	53.0	44.0	33.2	25.8	17.8
85	41.4	49.0	53.0	53.0	43.8	33.2	25.8	17.8
90	35.4	42.6	47.0	50.0	43.6	33.2	25.8	17.8
95			41.0	47.0	42.4	33.2	25.8	17.8
100					41.0	33.0	25.8	17.8
105					39.2	32.6	25.8	17.8
110							25.8	17.8

								
51 - 181 ft. (15.5 - 55.0 m)	121 ft. (37.0 m)	220,458 lbs. (100 000 kg)	100% 28' 6" Spread	360°				
					Pounds			
82° MAIN BOOM ANGLE								
Feet	51	72	87	108	123	144	160	181
45	60.0							
50	59.0							
55	58.0	50.0	46.0					
60	58.0	50.0	46.0	38.2	33.0			
65	58.0	50.0	45.0	38.2	33.0	24.4		
70	57.0	50.0	45.0	38.0	33.0	24.4		
75	55.0	50.0	45.0	38.0	33.0	24.4	18.8	
80	53.0	49.0	45.0	38.0	33.0	24.4	18.8	12.6
85	49.0	49.0	45.0	38.0	32.8	24.4	18.8	12.6
90	44.0	48.0	45.0	38.0	32.8	24.4	18.8	12.6
95	40.2	45.0	44.0	37.8	32.8	24.4	18.8	12.6
100	36.4	40.8	42.8	37.6	32.8	24.4	18.8	12.6
105	32.6	36.8	41.2	37.6	32.8	24.4	18.8	12.6
110	29.0	33.0	37.2	35.8	32.8	24.4	18.8	12.6
115	25.6	29.0	33.2	34.0	32.8	24.4	18.8	12.6
120			29.0	32.2	32.4	24.4	18.8	12.6
125			24.8	30.6	31.0	24.4	18.8	12.6
130					29.4	24.4	18.8	12.6
135							18.8	12.6



51 - 181 ft.
(15.5 - 55.0 m)

148 ft.
(45.0 m)

220,458 lbs.
(100 000 kg)

100%
28' 6" Spread

360°

Pounds

82° MAIN BOOM ANGLE

Feet	51	72	87	108	123	144	160	181
55	40.2							
60	41.8	36.6	33.2					
65	41.4	36.4	33.0	27.6				
70	41.2	36.4	33.0	27.6				
75	41.2	36.2	33.0	27.6	23.8			
80	41.0	36.2	32.8	27.6	23.8	17.4	12.8	
85	40.6	36.0	32.6	27.4	23.8	17.4	12.8	7.8
90	40.4	35.8	32.6	27.4	23.8	17.4	12.8	7.8
95	39.4	35.6	32.6	27.4	23.8	17.4	12.8	7.8
100	37.8	35.2	32.4	27.2	23.6	17.4	12.8	7.8
105	36.4	34.6	32.2	27.2	23.6	17.4	12.8	7.8
110	33.6	33.8	32.2	27.2	23.6	17.4	12.8	7.8
115	31.0	33.0	32.0	27.2	23.6	17.4	12.8	7.8
120	28.4	31.6	32.0	27.0	23.6	17.4	12.8	7.8
125	25.8	29.0	31.6	26.8	23.4	17.4	12.8	7.8
130	23.6	26.4	29.2	26.0	23.4	17.2	12.8	7.8
135	21.2	23.8	26.8	25.2	23.2	17.2	12.8	7.8
140		21.4	24.6	24.2	22.8	17.2	12.8	7.8
145		19.0	22.0	23.2	22.4	17.2	12.8	7.8
150			19.0	22.4	22.0	17.2	12.8	7.8
155					21.6	17.2	12.8	7.8
160								7.8
165								7.8

							
51 - 160 ft. (15.5 - 48.8 m)	174 ft. (53.0 m)	220,458 lbs. (100 000 kg)	100% 28' 6" Spread	360°			
	 Pounds						
82° MAIN BOOM ANGLE							
Feet	51	72	87	108	123	144	160
60	30.2						
65	30.0	26.4	23.8				
70	29.8	26.4	23.8				
75	29.6	26.2	23.8	19.8			
80	29.4	26.0	23.6	19.6	17.0		
85	29.2	26.0	23.4	19.6	17.0	12.2	8.4
90	29.0	25.8	23.4	19.6	17.0	12.2	8.4
95	28.8	25.6	23.2	19.6	17.0	12.0	8.4
100	28.6	25.6	23.0	19.4	17.0	12.0	8.4
105	28.0	25.4	23.0	19.4	16.8	12.0	8.4
110	27.4	25.2	23.0	19.4	16.8	12.0	8.4
115	26.8	25.0	22.8	19.2	16.8	12.0	8.4
120	26.2	24.8	22.6	19.2	16.8	12.0	8.4
125	25.8	24.4	22.4	19.2	16.8	12.0	8.4
130	25.2	24.2	22.4	19.0	16.6	12.0	8.4
135	24.0	23.8	22.2	19.0	16.6	12.0	8.4
140	22.4	23.4	22.0	19.0	16.6	12.0	8.4
145	21.0	23.0	21.8	19.0	16.6	12.0	8.4
150	19.2	21.2	21.4	18.8	16.4	12.0	8.4
155	17.6	19.6	21.2	18.8	16.4	12.0	8.4
160	15.8	17.8	20.2	18.6	16.4	12.0	8.4
165	14.0	16.0	18.2	18.4	16.2	11.8	8.4
170		14.2	16.4	17.4	16.0	11.8	8.2
175			14.2	16.4	15.8	11.6	8.2
180					15.4	11.6	8.2
185							8.2
190							8.2



							
51 - 160 ft. (15.5 - 48.8 m)	200 ft. (61.0 m)	220,458 lbs. (100 000 kg)	100% 28' 6" Spread	360°			
					Pounds		
82° MAIN BOOM ANGLE							
Feet	51	72	87	108	123	144	160
65	21.2						
70	20.8						
75	20.6	18.4	16.6				
80	20.2	18.2	16.6	13.6			
85	20.0	18.0	16.6	13.6	11.4		
90	19.2	18.0	16.4	13.6	11.4		
95	18.6	18.0	16.4	13.4	11.4	7.4	
100	18.0	17.6	16.2	13.4	11.4	7.4	4.4
105	17.4	17.2	15.8	13.4	11.4	7.4	4.4
110	16.8	16.6	15.6	13.2	11.2	7.4	4.4
115	16.2	16.2	15.2	13.2	11.2	7.4	4.4
120	15.6	15.6	15.0	13.2	11.2	7.4	4.4
125	15.2	15.2	14.8	13.2	11.2	7.4	4.4
130	14.4	14.6	14.4	13.0	11.2	7.4	4.4
135	14.0	14.2	14.0	12.8	11.2	7.4	4.4
140	13.8	13.8	13.6	12.6	11.0	7.4	4.4
145	13.4	13.4	13.2	12.4	11.0	7.4	4.4
150	12.8	13.0	12.8	12.2	11.0	7.4	4.4
155	12.6	12.6	12.6	12.0	11.0	7.2	4.4
160	12.0	12.2	12.2	11.8	11.0	7.2	4.4
165	11.6	11.8	11.8	11.4	10.8	7.2	4.4
170	11.2	11.6	11.6	11.2	10.6	7.2	4.4
175	11.0	11.2	11.2	11.0	10.4	7.2	4.4
180	10.6	10.8	11.0	10.8	10.2	7.2	4.4
185	10.2	10.4	10.8	10.4	10.0	7.2	4.4
190	10.0	10.2	10.4	10.2	10.0	7.2	4.4
195		9.6	10.2	10.0	9.8	7.2	4.4
200				9.8	9.4	7.2	4.4
205						7.2	4.4
210						7.2	4.4
215							4.4

