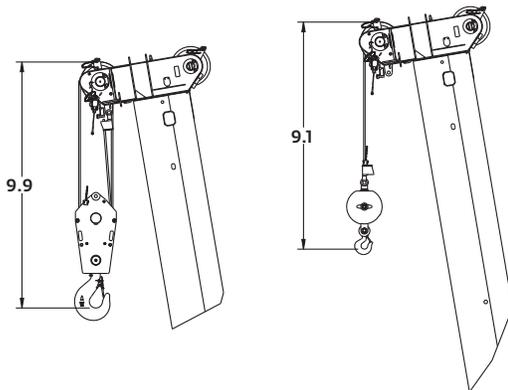
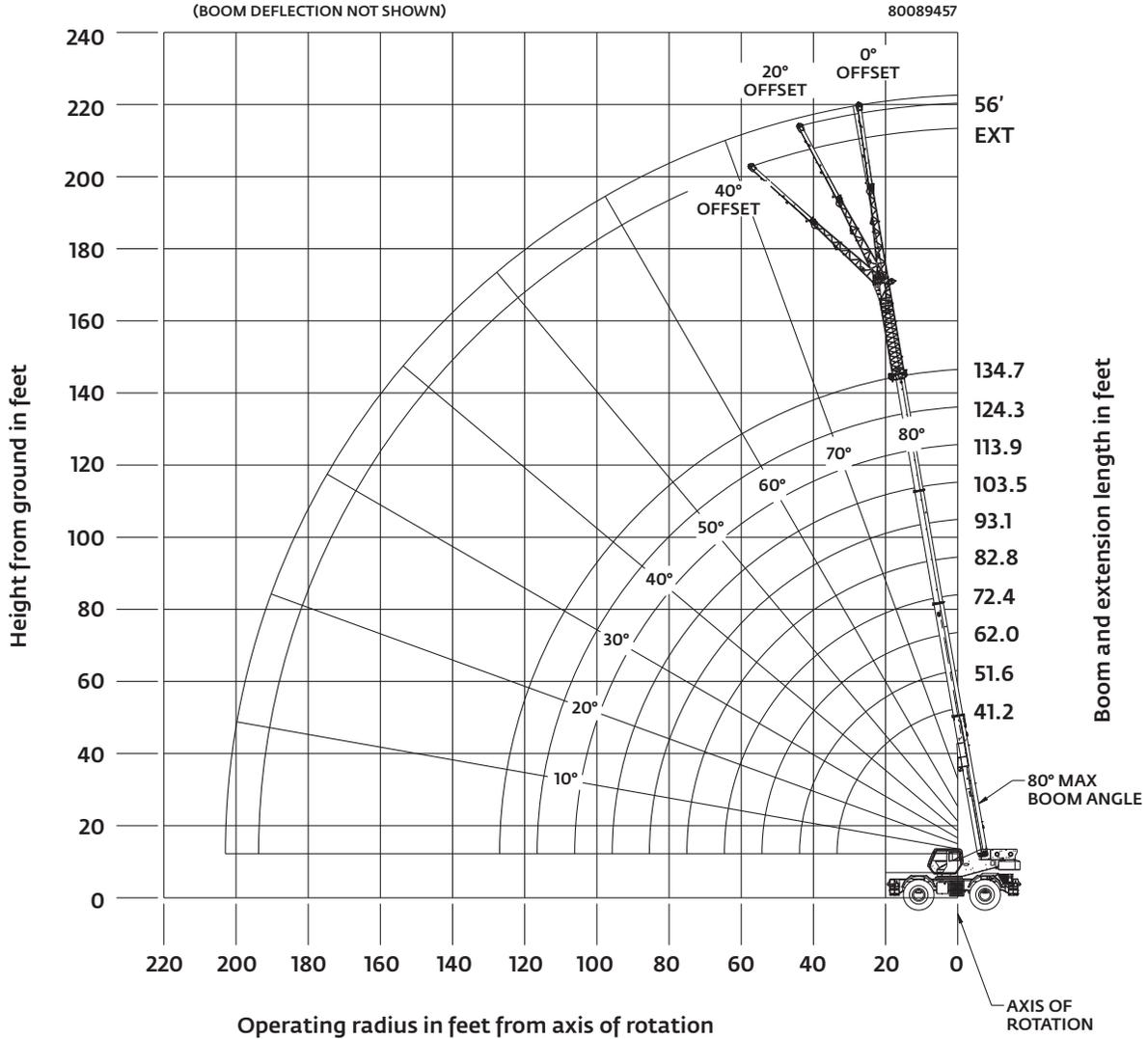


Working range

Working range diagram with bi-fold extension and insert



Dimensions are for the largest groove furnished hook block and overhaul ball, with anti-two block activated.

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Load chart



41.2 ft – 134.7 ft



22,000 lb



100%



360°



Pounds

Radius in Feet	Main Boom Length in Feet									
	41.2	51.6	62	72.4	82.8	93.1	103.5	113.9	124.3	134.7
10	160,000 (70)	109,000 (74.5)	108,000 (77.5)	*69,350 (80)	—	—	—	—	—	—
12	150,000 (67)	109,000 (72)	108,000 (75.5)	69,350 (78)	*42,250 (80)	—	—	—	—	—
15	137,000 (62)	109,000 (68.5)	108,000 (72.5)	69,350 (75.5)	42,250 (78)	42,250 (80)	*42,150 (80)	—	—	—
20	104,500 (53)	104,000 (62)	89,450 (67.5)	69,350 (71.5)	42,250 (74)	42,250 (76.5)	42,150 (78.5)	*40,550 (80)	*32,950 (80)	—
25	81,300 (43)	80,850 (55)	75,400 (62)	61,050 (67)	42,250 (70.5)	42,250 (73)	42,150 (75.5)	40,550 (77.5)	32,950 (79)	*23,000 (80)
30	60,600 (29.5)	62,850 (47.5)	58,850 (56.5)	52,200 (62.5)	42,250 (66.5)	42,250 (70)	39,750 (72.5)	36,550 (74.5)	31,650 (76.5)	23,000 (78)
35	—	46,600 (39)	46,250 (50.5)	45,300 (58)	42,250 (63)	38,600 (66.5)	35,250 (69.5)	32,600 (72)	28,800 (74)	23,000 (75.5)
40	—	35,950 (27.5)	34,300 (44)	35,400 (52.5)	36,750 (58.5)	34,450 (63)	31,500 (66.5)	29,200 (69.5)	26,300 (71.5)	23,000 (73.5)
45	—	—	27,300 (36)	28,200 (47.5)	29,500 (54.5)	30,750 (59.5)	28,300 (63.5)	26,300 (66.5)	24,100 (69)	21,100 (71)
50	—	—	22,100 (26)	22,800 (41)	24,100 (50)	25,350 (55.5)	25,650 (60)	23,800 (63.5)	22,200 (66.5)	19,400 (69)
55	—	—	—	18,650 (34)	20,000 (45)	21,150 (52)	21,650 (57)	21,650 (60.5)	20,300 (64)	17,900 (66.5)
60	—	—	—	15,300 (25)	16,100 (39.5)	17,800 (47.5)	18,400 (53.5)	18,900 (57.5)	18,550 (61)	16,600 (64)
65	—	—	—	—	13,500 (32.5)	15,100 (43)	15,700 (49.5)	16,250 (54.5)	16,900 (58.5)	15,400 (61.5)
70	—	—	—	—	11,300 (24.5)	12,800 (38)	13,500 (45.5)	14,050 (51)	14,650 (55.5)	14,400 (59)
75	—	—	—	—	9480 (8.5)	10,850 (32)	11,600 (41.5)	12,200 (47.5)	12,800 (52.5)	13,250 (56.5)
80	—	—	—	—	—	9240 (24)	10,000 (36.5)	10,600 (44)	11,150 (49.5)	11,600 (54)
85	—	—	—	—	—	7820 (11)	8270 (31)	9250 (40)	9790 (46)	10,200 (51)
90	—	—	—	—	—	—	7070 (24)	8030 (35.5)	8530 (42.5)	8990 (48)
95	—	—	—	—	—	—	6010 (12)	6920 (30)	7410 (38.5)	7880 (45)
100	—	—	—	—	—	—	—	5930 (23.5)	6430 (34.5)	6890 (41.5)
105	—	—	—	—	—	—	—	5050 (13)	5300 (29.5)	6010 (38)
110	—	—	—	—	—	—	—	—	4550 (23.5)	5220 (33.5)
115	—	—	—	—	—	—	—	—	3860 (14)	4500 (29)
120	—	—	—	—	—	—	—	—	—	3850 (23)
125	—	—	—	—	—	—	—	—	—	3260 (15)

NOTE: () Boom angles are in degrees.

*This capacity is based on maximum boom angle.

Boom Angle	Main Boom Length in Feet									
	41.2	51.6	62	72.4	82.8	93.1	103.5	113.9	124.3	134.7
0°	28,000 (33.6)	19,050 (44)	13,850 (54.4)	9940 (64.8)	8040 (75.2)	7230 (85.6)	5800 (96)	4780 (106.4)	3620 (116.8)	3020 (127.2)

NOTE: () Reference radii in feet.

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Load chart



134.7 ft



33 ft – 56 ft



22,000 lb



100%



360°



Pounds

Radius in Feet	33 ft Length			56 ft Length		
	0° Offset	20° Offset	40° Offset	0° Offset	20° Offset	40° Offset
30	*14,650 (80)	—	—	—	—	—
35	14,650 (79)	—	—	*8290 (80)	—	—
40	13,600 (77.5)	*11,400 (80)	—	8290 (79)	—	—
45	12,600 (75.5)	10,900 (79)	—	8290 (78)	—	—
50	11,450 (74)	10,250 (77)	7730 (78.5)	8290 (76.5)	—	—
55	10,700 (72)	9660 (75)	7550 (77)	8290 (74.5)	*6490 (80)	—
60	9880 (70)	8980 (73)	7390 (75)	7770 (73)	6240 (79)	—
65	9320 (68.5)	8380 (71.5)	7250 (73)	7240 (71.5)	6020 (77)	*4810 (80)
70	8670 (66.5)	7990 (69.5)	7110 (71)	6760 (70)	5790 (75.5)	4710 (79)
75	8100 (64.5)	7510 (67.5)	6980 (69)	6340 (68.5)	5590 (74)	4710 (77)
80	7720 (62.5)	7090 (65.5)	6850 (67)	5970 (67)	5300 (72)	4710 (75.5)
85	7270 (60.5)	6710 (63.5)	6520 (65)	5630 (65.5)	5030 (70.5)	4630 (73.5)
90	6860 (58.5)	6380 (61)	6230 (63)	5230 (63.5)	4790 (68.5)	4540 (72)
95	6500 (56.5)	6080 (59)	5910 (60.5)	4960 (62)	4490 (67)	4290 (70)
100	6110 (54)	5810 (57)	5670 (58.5)	4640 (60)	4290 (65)	4070 (68)
105	5820 (52)	5500 (54.5)	5410 (56)	4420 (58.5)	4050 (63)	3920 (66.5)
110	5400 (49.5)	5290 (52)	5230 (53.5)	4150 (56.5)	3830 (61)	3730 (64.5)
115	4740 (47)	5050 (49.5)	5020 (51)	3920 (54.5)	3680 (59)	3560 (62)
120	4150 (44.5)	4480 (47)	4800 (48)	3710 (52.5)	3500 (57)	3410 (60)
125	3610 (42)	3900 (44)	4350 (45)	3560 (51)	3330 (55)	3230 (57.5)
130	3110 (39)	3370 (41)	3850 (42)	3340 (48.5)	3180 (53)	3110 (55.5)
135	2660 (36)	2880 (38)	—	3070 (46.5)	3010 (50.5)	3000 (53)
140	2240 (32.5)	2430 (34.5)	—	2660 (44)	2890 (48)	2870 (50.5)
145	1850 (28.5)	2010 (30.5)	—	2280 (42)	2750 (45.5)	2760 (47.5)
150	1490 (24)	1610 (25.5)	—	1920 (39)	2350 (43)	2480 (44.5)
155	1150 (18)	—	—	1590 (36.5)	1980 (40)	—
160	—	—	—	1290 (33.5)	1640 (37)	—
165	—	—	—	—	1310 (33.5)	—
170	—	—	—	—	1010 (29)	—

- 33 ft and 56 ft folding boom extension lengths may be used for single line lifting service only.
- For main boom lengths less than 134.7 ft with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle.
- WARNING:** Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
- Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
- Capacities listed are with outriggers properly extended and vertical jacks set only.
- When lifting over the main boom nose with the 33 ft or 56 ft extension erected, the outriggers must be fully extended.

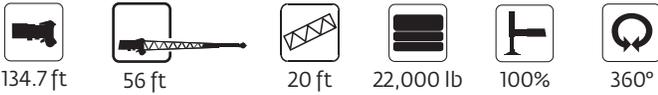
NOTE: () Boom angles are in degrees.

*This capacity is based on maximum boom angle.

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Load chart



Radius in Feet	76 Ft. Length		
	0° Offset	20° Offset	40° Offset
45	6580 (80)	—	—
50	6580 (78.5)	—	—
55	6580 (77)	—	—
60	6400 (76)	*4840 (80)	—
65	5870 (74.5)	4670 (79)	—
70	5400 (73)	4510 (78)	*3400 (80)
75	4980 (71.5)	4360 (76.5)	3340 (79.5)
80	4740 (70)	4230 (75)	3270 (78)
85	4390 (69)	4070 (73.5)	3220 (76.5)
90	4090 (67.5)	3810 (72)	3160 (75)
95	3810 (66)	3570 (70.5)	3110 (73.5)
100	3560 (64.5)	3350 (68.5)	3070 (71.5)
105	3330 (63)	3150 (67)	3020 (70)
110	3130 (61)	2970 (65.5)	2930 (68.5)
115	2880 (59.5)	2800 (64)	2780 (66.5)
120	2710 (58)	2650 (62)	2590 (64.5)
125	2550 (56.5)	2460 (60.5)	2460 (63)
130	2370 (54.5)	2,330 (58.5)	2300 (61)
135	2240 (53)	2170 (56.5)	2190 (59)
140	2080 (51)	2060 (55)	2060 (57)
145	1940 (49)	1930 (53)	1940 (55)
150	1840 (47)	1800 (50.5)	1830 (52.5)
155	1690 (45)	1690 (48.5)	1700 (50.5)
160	1420 (43)	1590 (46.5)	1610 (48)
165	1160 (40.5)	1470 (44)	1510 (45)
170	—	1200 (41.5)	1170 (42.5)

1. The 56 ft folding boom extension lengths may be used for single line lifting service only.
2. For main boom lengths less than 134.7 ft with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle.
3. **WARNING:** Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
4. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
5. Capacities listed are with outriggers properly extended and vertical jacks set only.
6. When lifting over the main boom nose with the 56 ft extension erected and 20 ft insert, the outriggers must be fully extended.

NOTE: () Boom angles are in degrees.
 *This capacity is based on maximum boom angle.

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Load chart



Radius in Feet	Main Boom Length in Feet			
	41.2	51.6	62	72.4
15	39,500 (62)	37,000 (68.5)	—	—
20	26,000 (54)	24,900 (62)	23,550 (67.5)	23,900 (71.5)
25	17,850 (44.5)	16,650 (55.5)	15,800 (62)	16,250 (67)
30	12,700 (31)	11,350 (48.5)	10,850 (57)	11,250 (62.5)
35	—	7640 (40.5)	7480 (51.5)	7670 (58)
40	—	4890 (29)	4980 (45)	4990 (53)
45	—	—	3070 (37)	2910 (48)
50	—	—	1560 (27)	1250 (42)

NOTE: () Boom angles are in degrees.

Boom Angle	Main Boom Length in Feet			
	41.2	51.6	62	72.4
0°	10,000 (33.6)	3140 (44)	—	—

NOTE: () Reference radii in feet.

1. Capacities are in pounds and do not exceed 75% of tipping loads as determined by test in accordance with SAE J765.
2. Capacities are applicable to machines equipped with General/Titan 29.5 x 25 (34 ply) bias ply tires, at 76 psi cold inflation pressure.
3. Capacities are applicable only with machine on firm level surface
4. On rubber lifting with boom extension not permitted
5. For pick and carry operation, boom must be centered over front of machine, mechanical swing lock engaged and load restrained from swinging.
6. Axle lockouts must be functioning when lifting on rubber.
7. All lifting depends on proper tire inflation, capacity and condition. Capacities must be reduced for lower tire inflation pressures. See lifting capacity chart for tire used. Damaged tires are hazardous to safe operation of crane.
8. Creep - not over 200 ft of movement in any 30 minute period and not exceeding 1 mph.

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Load chart



41.2 ft – 72.4 ft



22,000 lb



Over Front



Pick and carry
up to 1 mph
29.5 in x 25 in



Pounds

Radius in Feet	Main Boom Length in Feet			
	41.2	51.6	62	72.4
12	53,750 (67)	45,100 (72)	—	—
15	44,800 (62)	43,900 (68.5)	—	—
20	33,900 (54)	33,500 (62)	31,100 (67.5)	24,500 (71.5)
25	26,300 (44.5)	26,100 (55.5)	26,500 (62)	23,850 (67)
30	20,700 (31)	20,600 (48.5)	20,850 (57)	20,700 (62.5)
35	—	16,400 (40.5)	16,500 (51.5)	16,450 (58)
40	—	12,750 (29)	12,700 (45)	12,750 (53)
45	—	—	9530 (37)	9610 (48)
50	—	—	7050 (27)	7180 (42)
55	—	—	—	5240 (35)
60	—	—	—	3670 (25.5)

NOTE: () Boom angles are in degrees.

Boom Angle	Main Boom Length in Feet			
	41.2	51.6	62	72.4
0°	17,450 (33.6)	10,150 (44)	5280 (54.4)	2410 (64.8)

NOTE: () Reference radii in feet.

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