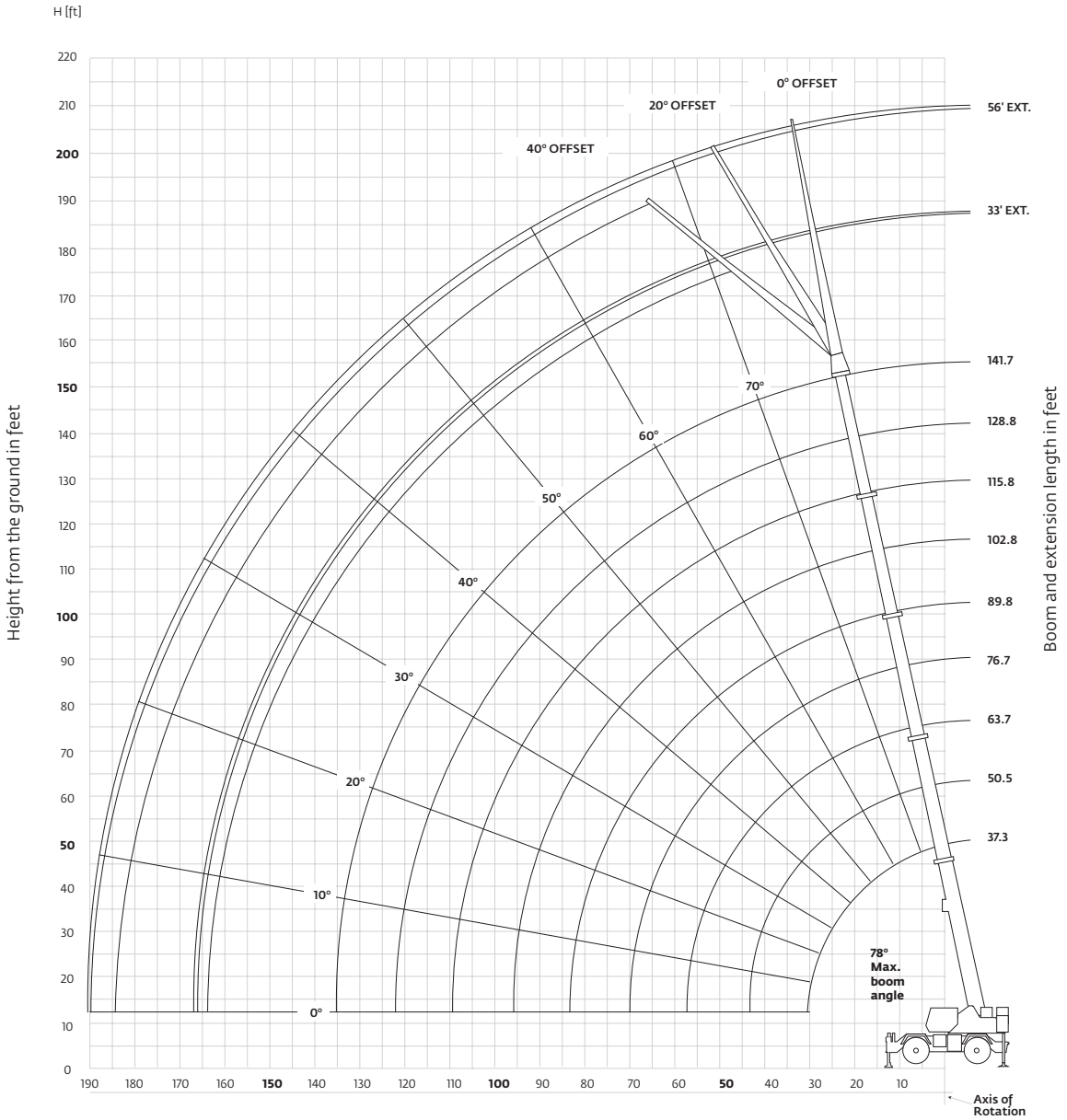
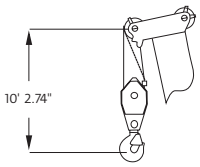
Working range

141.7 ft main boom 32 ft – 56 ft fixed offset swingaway





Dimensions are for largest Grove furnished hook block and headache ball, with anti-two block activated.

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Mode A vs. Mode B

Mode A – inner-mid retracted

	Main boom length in feet							
	37.3	50.4	63.4	76.4	89.4	102.4	115.4	141.7
Boom sections:	**Percent extension**							
Inner-mid	0	0	0	0	0	0	0	100
Center-mid	0	50	100	100	100	100	100	100
Outer-mid	0	0	0	25	50	75	100	100
Fly	0	0	0	25	50	75	100	100

Mode B – normal mode

	Main boom length in feet								
	37.3	50.5	63.7	76.7	89.8	102.8	115.8	128.8	141.7
Boom sections:	**Percent extension**								
Inner-mid	0	50	75	75	100	100	100	100	100
Center-mid	0	0	25	75	100	100	100	100	100
Outer-mid	0	0	0	0	0	25	50	75	100
Fly	0	0	0	0	0	25	50	75	100

Load charts
(Mode B)

37.3 ft – 141.7 ft | 22,000 lb | 100% 24 ft spread | 360°

Pounds

Feet	Main boom length in feet								
	37.3	50.5	63.7	76.7	89.8	102.8	115.8	128.8	141.7
10	180,000 (68.5)	134,000 (75)	*97,500 (78)						
12	156,000 (65)	134,000 (72.5)	97,500 (76.5)						
15	128,500 (59.5)	127,500 (69)	97,500 (74)	69,950 (77)	*46,600 (78)				
20	98,650 (49.5)	97,600 (62.5)	86,200 (69)	63,600 (73)	46,600 (76.5)	*38,700 (78)			
25	78,800 (36.5)	77,800 (55.5)	74,850 (64)	55,100 (69)	41,950 (73)	38,700 (75.5)	*37,900 (78)	*30,850 (78)	
30	51,550 (12.5)	58,700 (47.5)	59,300 (58.5)	48,150 (65)	37,350 (69.5)	37,900 (72.5)	35,000 (75)	30,850 (77.5)	*24,400 (78)
35		43,250 (38.5)	43,200 (52.5)	42,450 (60.5)	33,300 (66)	33,200 (69.5)	30,950 (72.5)	28,900 (75)	24,400 (77)
40		33,250 (26)	32,850 (46.5)	33,050 (56)	29,850 (62.5)	29,300 (66.5)	27,450 (70)	25,850 (72.5)	24,250 (75)
45			25,650 (39)	26,000 (51)	25,900 (58.5)	25,950 (63.5)	24,450 (67)	23,150 (70)	21,900 (73)
50			20,350 (30.5)	20,750 (45.5)	20,550 (54.5)	21,950 (60)	21,800 (64.5)	20,750 (67.5)	19,800 (70.5)
55			16,200 (16.5)	16,800 (39.5)	16,450 (50)	17,800 (56.5)	19,150 (61.5)	18,650 (65)	17,900 (68.5)
60				13,600 (33)	13,200 (45.5)	14,550 (53)	15,900 (58.5)	16,800 (62.5)	16,150 (66)
65				11,000 (23.5)	10,600 (40.5)	11,900 (49)	13,250 (55.5)	14,200 (60)	14,650 (64)
70					8420 (34.5)	9750 (45)	11,050 (52)	11,950 (57)	12,850 (61.5)
75					6570 (28)	7910 (40.5)	9250 (48.5)	10,100 (54.5)	10,950 (59)
80					4960 (18)	6340 (36)	7670 (45)	8530 (51.5)	9380 (56.5)
85						4990 (30)	6320 (41)	7150 (48.5)	7980 (54)
90						3780 (23)	5140 (37)	5950 (45)	6770 (51)
95						2710 (10)	4100 (32)	4900 (41.5)	5700 (48.5)
100							3160 (26)	3960 (37.5)	4750 (45.5)
105							2310 (18.5)	3130 (33.5)	3910 (42)
110								2370 (28.5)	3150 (38.5)
115								1680 (22.5)	2460 (35)
120								1050 (13)	1840 (30.5)
125									1250 (25.5)
Minimum boom angle (deg) for indicated length (no load)								0	24
Maximum boom length (ft) at 0 deg boom angle (no load)								128.8	

#LMI operating code. Refer to LMI manual for instructions.
*This capacity is based upon maximum obtainable boom angle.
Note: ( ) Boom angles are in degrees.

Lifting capacities at zero degree boom angle

Boom angle	Main boom length in feet						
	37.3	50.5	63.7	76.7	89.8	102.8	115.8
0°	27,500 (30.1)	15,950 (43.3)	9560 (56.4)	5840 (69.5)	2730 (82.6)	1910 (95.6)	1200 (108.5)

Note: ( ) Reference radii in feet.

A6-829-103321A

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Load charts

Bi-fold swingaway (fixed offsettable angles)


37.3 ft – 141.7 ft


33 ft – 56 ft


22,000 lb


100%
24 ft spread


360°

Pounds

Feet	33 ft LENGTH 0° OFFSET #0021	33 ft LENGTH 20° OFFSET #0022	33 ft LENGTH 40° OFFSET #0023	56 ft LENGTH 0° OFFSET #0041	56 ft LENGTH 20° OFFSET #0042	56 ft LENGTH 40° OFFSET #0043
40	13,700 (78)					
45	13,700 (76.5)	*13,000 (78)		7160 (78)		
50	13,700 (75)	12,950 (77.5)		7160 (77.5)		
55	13,700 (73)	12,600 (76)	*10,250 (78)	7160 (76)		
60	13,700 (71.5)	12,200 (74)	10,050 (77)	7160 (74.5)	*6400 (78)	
65	13,700 (69.5)	11,900 (72.5)	9900 (75)	7160 (73)	6250 (77.5)	
70	13,500 (68)	11,550 (70.5)	9750 (73)	7160 (71.5)	6110 (76)	
75	12,400 (66)	11,250 (68.5)	9610 (71)	7160 (70)	5980 (74.5)	*5110 (78)
80	10,800 (64)	11,000 (67)	9480 (69)	7160 (68.5)	5850 (73)	5020 (77)
85	9330 (62)	10,250 (65)	9370 (67)	7150 (66.5)	5730 (71.5)	4930 (75)
90	8050 (60)	8900 (63)	8980 (65)	6960 (65)	5620 (69.5)	4850 (73.5)
95	6920 (58)	7700 (61)	8530 (63)	6770 (63.5)	5510 (68)	4780 (71.5)
100	5920 (56)	6630 (59)	7360 (61)	6590 (61.5)	5410 (66)	4710 (69.5)
105	5030 (54)	5690 (56.5)	6310 (58.5)	6030 (60)	5310 (64.5)	4650 (68)
110	4230 (52)	4830 (54.5)	5370 (56.5)	5200 (58)	5220 (62.5)	4600 (66)
115	3510 (49.5)	4060 (52)	4520 (54)	4450 (56.5)	5110 (60.5)	4550 (64)
120	2850 (47.5)	3360 (50)	3750 (51.5)	3770 (54.5)	4780 (59)	4500 (62)
125	2250 (45)	2730 (47.5)	3040 (49)	3150 (52.5)	4080 (57)	4460 (60)
130	1700 (42)	2150 (44.5)	2400 (46)	2580 (50.5)	3450 (55)	3970 (58)
135	1200 (39.5)	1610 (42)		2060 (48.5)	2870 (53)	3330 (55.5)
140		1120 (39)		1570 (46.5)	2330 (50.5)	2730 (53)
145				1130 (44)	1830 (48.5)	2180 (50.5)
150					1370 (46)	1670 (48)
155						1200 (45)
Minimum boom angle (°) for indicated length (no load)	38	38	40	43	44	44
Maximum boom length (ft) at 0° boom angle (no load)		102.8			89.8	

NOTE: ( ) Boom angles are in degrees.

A6-829-103447

#LMI operating code. Refer to LMI manual for operating instructions.
*This capacity is based upon maximum boom angle.

NOTES:

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed 85% of tipping loads, in accordance with SAE J-765.
2. The 33 ft extension length may be used with single or double part line lifting service. The 56 ft extension length may be used for single line lifting service only.
3. For main boom lengths less than 141.7 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.
4. 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.
5. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
6. Capacities listed are with outriggers properly extended and vertical jacks set only.
7. When lifting over the main boom nose with 33 ft or 56 ft extension erected, the outriggers must be fully extended or 50% extended (17.3 ft spread).

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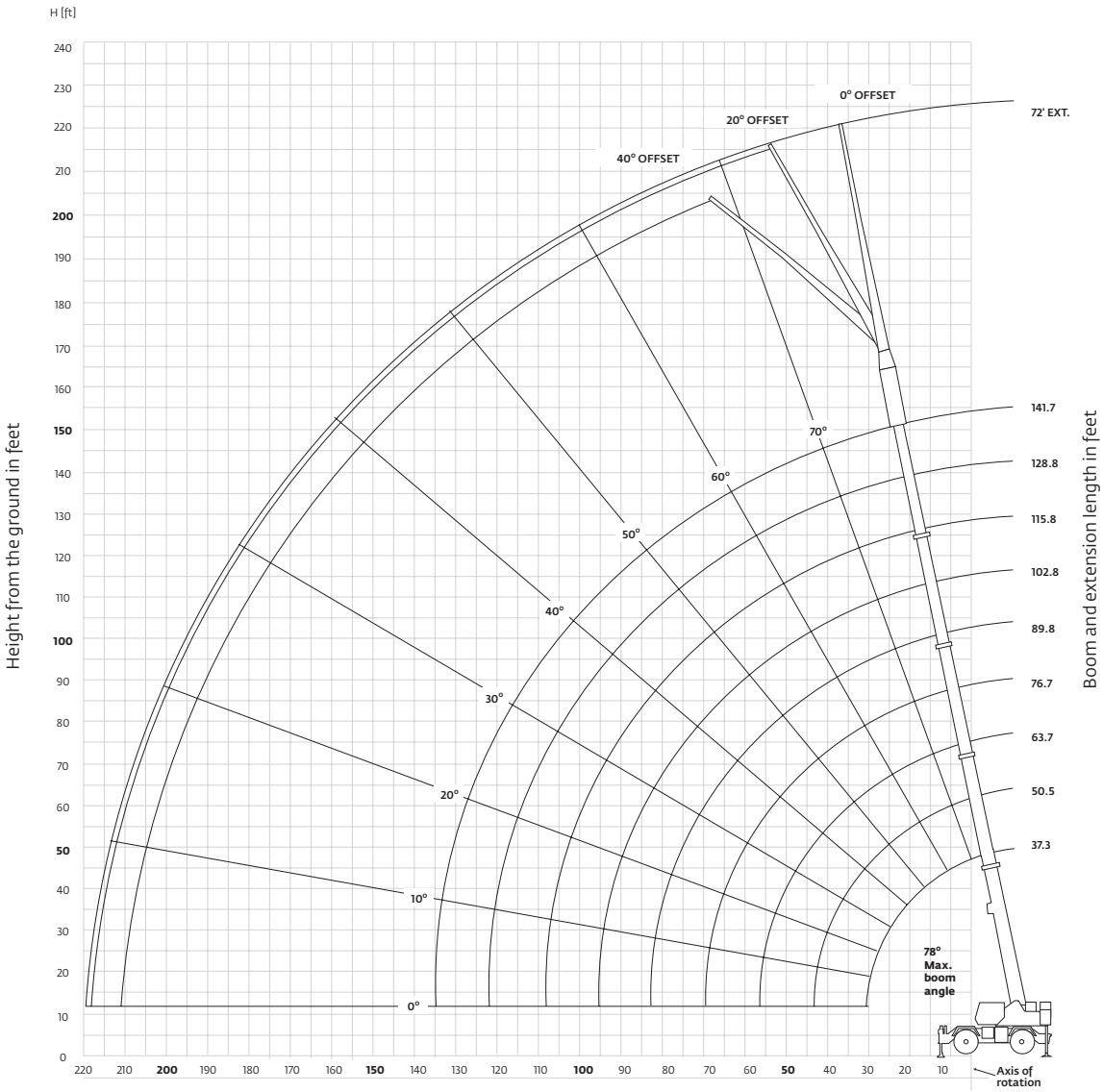
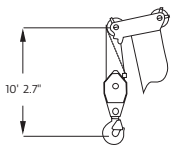
Working range

141.7 ft main boom and one 16 ft insert





Dimensions are for largest Grove furnished hook block and headache ball, with anti-two block activated.

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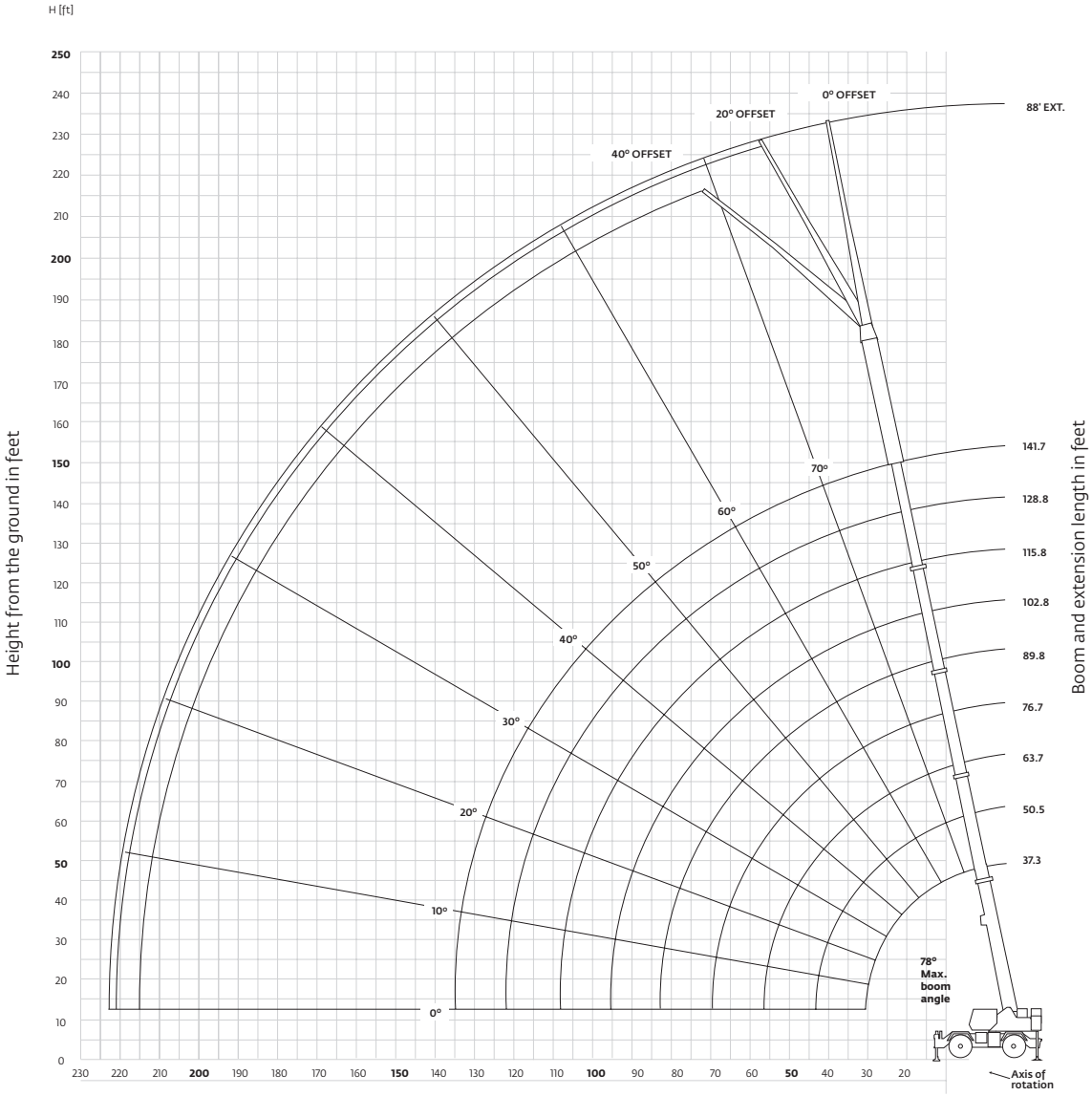
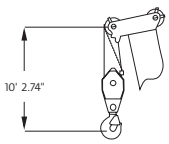
Working range

141.7 ft main boom and two 16 ft inserts





Dimensions are for largest Grove furnished hook block and headache ball, with anti-two block activated.

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Load charts

Bi-fold swingaway with inserts (fixed angles)


37.3 ft – 141.7 ft


33 ft – 56 ft


1 or 2 16 ft inserts


22,000 lb


100%
24 ft spread


360°

Feet	72 ft (56 ft LENGTH + 1 INSERT) 0° OFFSET #0064	20° OFFSET #0065	40° OFFSET #0066	88 ft (56 ft LENGTH + 2 INSERTS) 0° OFFSET #0084	20° OFFSET #0085	40° OFFSET #0086
	Pounds					
50	6300 (78)					
55	6300 (77.5)					
60	6300 (76.5)			5000 (78)		
65	6300 (75)			5000 (77.5)		
70	6300 (73.5)	*6100 (78)		5000 (76)		
75	6,00 (72)	5860 (77.5)		5000 (74.5)	*4900 (78)	
80	6300 (70.5)	5750 (76)	*5000 (78)	5000 (73.5)	4900 (77.5)	
85	6300 (69)	5650 (74.5)	4890 (77.5)	5000 (72)	4900 (76)	
90	6300 (67.5)	5550 (73)	4820 (76)	4900 (70.5)	4900 (74.5)	*4800 (78)
95	6300 (66)	5450 (71.5)	4760 (74.5)	4850 (69.5)	4900 (73.5)	4640 (76.5)
100	6300 (64.5)	5360 (70)	4690 (73)	4800 (68)	4710 (72)	4370 (75)
105	5810 (63)	5120 (68)	4580 (71.5)	4670 (66.5)	4420 (70.5)	4120 (73.5)
110	5030 (61.5)	4880 (66.5)	4480 (69.5)	4550 (65)	4130 (69)	3870 (72)
115	4320 (59.5)	4620 (65)	4270 (68)	4240 (63.5)	3880 (67.5)	3650 (70.5)
120	3680 (58)	4370 (63.5)	4060 (66)	3850 (62)	3630 (66)	3440 (69)
125	3100 (56.5)	4110 (61.5)	3870 (64.5)	3260 (60.5)	3410 (64.5)	3240 (67.5)
130	2560 (54.5)	3500 (60)	3680 (62.5)	2720 (59)	3190 (63)	3050 (65.5)
135	2070 (53)	2940 (58)	3510 (60.5)	2220 (57.5)	3000 (61.5)	2880 (64)
140	1610 (51)	2420 (56)	2980 (58.5)	1760 (56)	2630 (60)	2710 (62.5)
145	1190 (49)	1950 (54.5)	2440 (56.5)	1340 (54.5)	2,150 (58)	2560 (60.5)
150		1500 (52.5)	1930 (54.5)		1700 (56.5)	2210 (58.5)
155		1090 (50.5)	1470 (52)		1290 (54.5)	1750 (57)
160			1030 (50)			1310 (55)
Minimum boom angle (°) for indicated length (no load)	48	49	49	52		53
Maximum boom length (ft) at 0° boom angle (no load)		76.7			76.7	

NOTE: ( ) Boom angles are in degrees. A6-829-103478

#LMI operating code. Refer to LMI manual for operating instructions.
*This capacity is based upon maximum boom angle.

NOTES:

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed 85% of tipping loads, in accordance with SAE J-765.
2. The 56 ft extension length may be used for single line lifting service only.
3. For main boom lengths less than 141.7 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.
4. 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.
5. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
6. When lifting over the main boom nose with 56 ft extension erected and inserts, the outriggers must be fully extended and vertical jacks set.

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Load charts
(Mode A)

37.3 ft – 141.7 ft | 22,000 lb | 100% 24 ft spread | 360°

Feet	Pounds							
	37.3	50.4	63.4	76.4	89.4	102.4	115.4	141.7
10	180,000 (68.5)	134,000 (75)	*80,800 (78)					
12	156,000 (65)	134,000 (72.5)	80,800 (76.5)	*38,700 (78)				
15	128,500 (59.5)	129,000 (68.5)	80,800 (73.5)	38,700 (77)	*38,500 (78)			
20	98,650 (49.5)	98,950 (62)	70,950 (68.5)	38,700 (73)	38,500 (76.5)	*38,400 (78)		
25	78,800 (36.5)	79,150 (55)	62,300 (63.5)	38,700 (69)	38,500 (73)	38,400 (76)	24,400 (78)	
30	51,550 (12.5)	60,500 (47)	55,250 (58)	38,700 (65)	38,500 (69.5)	37,500 (73)	24,400 (76)	*24,400 (78)
35		45,150 (38)	44,900 (52.5)	38,700 (60.5)	36,750 (66)	33,150 (70)	24,400 (73.5)	24,400 (77)
40		35,250 (25.5)	34,700 (46)	36,750 (56)	32,750 (62)	29,550 (67)	24,400 (70.5)	24,250 (75)
45			27,600 (39)	29,450 (51)	29,400 (58.5)	26,500 (63.5)	24,400 (68)	21,900 (73)
50			22,400 (30)	24,000 (45.5)	25,650 (54.5)	23,950 (60.5)	22,050 (65)	19,800 (70.5)
55			18,250 (15.5)	19,850 (39.5)	21,350 (50)	21,750 (57)	20,000 (62)	17,900 (68.5)
60				16,600 (32.5)	17,950 (45.5)	18,900 (53.5)	18,250 (59)	16,150 (66)
65				13,850 (23)	15,200 (40)	16,150 (49.5)	16,700 (56)	14,650 (64)
70					12,950 (34.5)	13,850 (45.5)	14,800 (53)	12,850 (61.5)
75					11,000 (27.5)	11,950 (41)	12,900 (49.5)	10,950 (59)
80					9340 (17)	10,300 (36)	11,250 (45.5)	9380 (56.5)
85						8900 (30)	9830 (42)	7980 (54)
90						7640 (22.5)	8590 (37.5)	6770 (51)
95						6520 (8)	7510 (32.5)	5700 (48.5)
100							6520 (26.5)	4750 (45.5)
105							5640 (18.5)	3910 (42)
110								3150 (38.5)
115								2460 (35)
120								1840 (30.5)
125								1250 (25.5)
Minimum boom angle (deg) for indicated length (no load)								24
Maximum boom length (ft) at 0 deg boom angle (no load)								115.4

#LMI operating code. Refer to LMI manual for instructions.
*This capacity is based upon maximum obtainable boom angle.
Note: ( ) Boom angles are in degrees.

Lifting capacities at zero degree boom angle

Boom angle	Main boom length in feet							
	37.3	50.4	63.4	76.4	89.4	102.4	115.4	
0°	27,500 (30.1)	17,300 (43.2)	11,050 (56.2)	8580 (69.2)	6700 (82.2)	5380 (95.2)	4280 (108.2)	

Note: ( ) Reference radii in feet.

6-829-103320A

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The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

Load charts
(Mode A)

37.3 ft – 76.4 ft | 22,000 lb | Stationary | 360°

Pounds

Main boom

Feet	Main boom length in feet			
	37.3	50.4	63.4	76.4
12	39,500 (65)	41,650 (72.5)		
15	37,750 (59.5)	38,950 (68.5)	18,900 (73.5)	15,650 (77)
20	24,850 (49.5)	24,850 (62)	18,900 (68.5)	15,650 (73)
25	16,300 (36.5)	16,650 (55)	17,450 (63.5)	15,650 (69)
30	10,200 (12.5)	11,350 (47)	11,450 (58)	13,200 (65)
35		7650 (38)	7630 (52.5)	9280 (60.5)
40		4920 (25.5)	5020 (46)	6510 (56)
45				4490 (51)
Minimum boom angle (°) for indicated length (no load)			39	46
Maximum boom length (ft) at 0° boom angle (no load)			50.4	

Lifting capacities at zero degree boom angle

Boom angle	Main boom length in feet	
	37.3	50.4
0°	10,050 (30.1)	3150 (43.2)

NOTE: ( ) Reference radii in feet. A6-829-103452A

#LMI operating code. Refer to LMI manual for instructions.

37.3 ft – 76.4 ft | 22,000 lb | Pick and carry up to 2.5 mph | Boom centered over front

Pounds

Main boom

Feet	Main boom length in feet			
	37.3	50.4	63.4	76.4
12	41,600 (65)	41,700 (72.5)		
15	41,600 (59.5)	41,700 (68.5)	22,400 (73.5)	15,650 (77)
20	36,250 (49.5)	36,450 (62)	22,400 (68.5)	15,650 (73)
25	27,600 (36.5)	28,250 (55)	22,400 (63.5)	15,650 (69)
30	21,300 (12.5)	22,200 (47)	22,400 (58)	15,650 (65)
35		17,500 (38)	17,950 (52.5)	15,650 (60.5)
40		13,800 (25.5)	14,350 (46)	15,650 (56)
45			11,000 (39)	12,500 (51)
50			8360 (30)	9820 (45.5)
55			6240 (15.5)	7690 (39.5)
Minimum boom angle (°) for indicated length (no load)				36
Maximum boom length (ft) at 0° boom angle (no load)				63.4

Lifting capacities at zero degree boom angle

Boom angle	Main boom length in feet		
	37.3	50.4	63.4
0°	21,150 (30.1)	11,600 (43.2)	5790 (56.2)

A6-829-103453

#LMI operating code. Refer to LMI manual for instructions.

NOTES:

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 29.5x25 (34 ply) General tires at 76 psi cold inflation pressure.
3. Capacities appearing above the bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
4. Capacities are applicable only with machine on firm level surface.
5. On rubber lifting with boom extensions not permitted.
6. For pick and carry operation, boom must be centered over front of machine, mechanical swing lock engaged and load restrained from swinging. When handling loads in the structural range with capacities close to maximum ratings, travel should be reduced to creep speeds.
7. Axle lockouts must be functioning when lifting on rubber.
8. 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.
9. Creep – not over 200 ft of movement in any 30 minute period and not exceeding 1 mph.

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33 ft – 56 ft luffing bi-fold boom extension
(Mode B) (fixed offsettable angles)

37.3 ft – 141.7 ft	33 ft – 56 ft	22,000 lb	100% 24 ft spread	360°

	Pounds					
	33 ft LENGTH			56 ft LENGTH		
Feet	5° OFFSET #0091	20° OFFSET #0091	40° OFFSET #0091	5° OFFSET #0092	20° OFFSET #0092	40° OFFSET #0092
40	*13,700 (78)					
45	13,700 (77)					
50	13,700 (75)	13,700 (77.5)		*8200 (78)		
55	13,700 (73.5)	13,700 (75.5)	*11,000 (78)	8200 (77.5)		
60	13,700 (71.5)	13,700 (74)	11,000 (76)	8200 (76)		
65	13,700 (70)	12,850 (72)	10,950 (74.5)	8200 (74.5)	8200 (77.5)	
70	12,500 (68)	12,000 (70)	10,350 (72.5)	8200 (73)	8200 (76)	
75	11,350 (66)	11,200 (68)	9830 (70.5)	8200 (71.5)	8100 (74)	6400 (77.5)
80	9730 (64.5)	10,450 (66.5)	9330 (68.5)	8200 (69.5)	7600 (72.5)	6400 (76)
85	8300 (62.5)	8980 (64.5)	8860 (66.5)	8200 (68)	7150 (71)	6230 (74)
90	7060 (60.5)	7660 (62.5)	8210 (64.5)	7740 (66.5)	6730 (69)	5920 (72.5)
95	5960 (58.5)	6500 (60.5)	6980 (62)	7130 (64.5)	6350 (67.5)	5640 (70.5)
100	4990 (56.5)	5470 (58)	5880 (60)	6130 (63)	6000 (65.5)	5380 (68.5)
105	4120 (54)	4560 (56)	4900 (58)	5230 (61)	5690 (64)	5140 (67)
110	3340 (52)	3730 (54)	4020 (55.5)	4430 (59.5)	5290 (62)	4900 (65)
115	2640 (49.5)	2990 (51.5)	3230 (53)	3700 (57.5)	4490 (60)	4690 (63)
120	2000 (47.5)	2320 (49)	2510 (50.5)	3040 (55.5)	3760 (58.5)	4470 (61)
125	1420 (45)	1700 (46.5)	1850 (47.5)	2440 (53.5)	3100 (56.5)	3710 (58.5)
130		1140 (44)	1250 (45)	1900 (51.5)	2500 (54.5)	3030 (56.5)
135				1390 (49.5)	1940 (52)	2390 (54)
140					1420 (50)	1810 (52)
145						1270 (49)
Minimum boom angle (°) for indicated length (no load)	42	43	43	48	48	47
Maximum boom length (ft) at 0° boom angle (no load)		89.8			76.7	

NOTE: ( ) Boom angles are in degrees.

A6-829-103522

#LMI operating code. Refer to LMI manual for operating instructions.
*This capacity is based upon maximum boom angle.

NOTES:

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed 85% of tipping loads, in accordance with SAE J-765.
2. The 33 ft luffing folding boom extension may be used for single or double line lifting service. The 56 ft luffing folding boom extension may be used for single line lifting service only. WARNING: Lifting with the 33 ft extension base, with the 23 ft extension fly either erected or folded along side of extension base, is strictly prohibited.
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. For main boom lengths less than 141.7 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.
7. When lifting over the main boom nose with 33 ft or 56 ft extension erected, the outriggers must be fully extended or 50% extended (17.3 ft spread).

33 ft – 56 ft luffing bi-fold boom extension
(Mode B) (intermediate offsettable angles)

37.3 ft – 141.7 ft	33 ft – 56 ft	22,000 lb	100% 24 ft spread	360°

	Pounds			
	33 ft LENGTH		56 ft LENGTH	
Feet	5° - 20° OFFSET #0091	20° - 40° OFFSET #0091	5° - 20° OFFSET #0092	20° - 40° OFFSET #0092
50	11,850			
55	11,550	10,750		
60	11,200	10,600		
65	10,900	10,450	6150	
70	10,650	10,350	5960	
75	10,350	9830	5780	5370
80	9730	9330	5610	5280
85	8300	8860	5450	5200
90	7060	7660	5310	5130
95	5960	6500	5170	5070
100	4990	5470	5040	5010
105	4120	4560	4920	4910
110	3340	3730	4430	4810
115	2640	2990	3700	4490
120	2000	2320	3040	3760
125	1420	1700	2440	3100
130		1140	1900	2500
135			1390	1940
140				1420
Min. boom angle for indicated length (no load)	43°	43°	48°	48°
Max. boom length at 5° boom angle (no load)	89.8'		76.7'	

#LMI operating code. Refer to LMI manual for operating instructions.

A6-829-103525A

NOTES:

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed 85% of tipping loads, in accordance with SAE J-765.
2. The 33 ft luffing folding boom extension may be used for single or double line lifting service. The 56 ft luffing folding boom extension may be used for single line lifting service only.
   WARNING: Lifting with the 33 ft extension base, with the 23 ft extension fly either erected or folded along side of extension base, is strictly prohibited.
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. The loads for luffing depend on the angle of the main boom, angle of the boom extension and dynamic working pressure of the luffing cylinder for the boom extension.
5. Capacities listed are with outriggers properly extended and vertical jacks set only.
6. When lifting over the main boom nose with 33 ft or 56 ft extension erected, the outriggers must be fully extended or 50% extended (17.3 ft spread).

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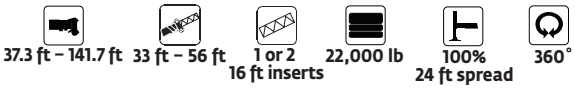
The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

33 ft – 56 ft luffing bifold boom extension with inserts
(Mode B) (intermediate offsettable angles)



Feet	72 ft (56 ft LENGTH + 1 INSERT)			88 ft (56 ft LENGTH + 2 INSERTS)		
	5° OFFSET #0095	20° OFFSET #0095	40° OFFSET #0095	5° OFFSET #1095	20° OFFSET #1095	40° OFFSET #1095
	Pounds					
55	*6400 (78)					
60	6400 (77.5)					
65	6400 (76)			*5000 (78)		
70	6400 (74.5)	*6400 (78)		5000 (77)		
75	6400 (73.5)	6400 (76.5)		5000 (75.5)	*5000 (78)	
80	6400 (72)	6400 (75)	*5500 (78)	5000 (74.5)	5000 (76)	
85	6400 (70.5)	6040 (73.5)	5420 (76)	5000 (73)	5000 (74.5)	*4460 (78)
90	6250 (69)	5630 (72)	5100 (74.5)	5000 (71.5)	4790 (73)	4460 (76.5)
95	5800 (67.5)	5260 (70.5)	4800 (73)	4740 (70)	4420 (71.5)	4150 (75)
100	5380 (66)	4910 (69)	4520 (71.5)	4350 (69)	4090 (70.5)	3860 (73.5)
105	5010 (64)	4610 (67.5)	4270 (69.5)	4010 (67.5)	3790 (69)	3600 (72)
110	4570 (62.5)	4310 (65.5)	4020 (68)	3680 (66)	3490 (67.5)	3340 (70.5)
115	3840 (61)	4040 (64)	3790 (66)	3390 (64.5)	3230 (66)	3110 (69)
120	3180 (59.5)	3780 (62.5)	3570 (64.5)	3110 (63)	2980 (64.5)	2890 (67.5)
125	2570 (57.5)	3290 (60.5)	3370 (62.5)	2720 (61.5)	2760 (63)	2680 (66)
130	2020 (56)	2680 (59)	3180 (60.5)	2160 (60)	2540 (61.5)	2480 (64.5)
135	1510 (54)	2120 (57)	2680 (59)	1640 (58.5)	2300 (59.5)	2300 (62.5)
140	1040 (52.5)	1600 (55)	2100 (57)	1170 (57)	1780 (58)	2120 (61)
145		1130 (53)	1560 (54.5)		1300 (56.5)	1820 (59)
150			1060 (52.5)			1320 (57)
Minimum boom angle (°) for indicated length (no load)	51	52	51	56	55	56
Maximum boom length (ft) at 0° boom angle (no load)		76.7			63.7	

NOTE: ( ) Boom angles are in degrees. A6-829-103523

#LMI operating code. Refer to LMI manual for operating instructions.
*This capacity is based upon maximum boom angle.

NOTES:

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed 85% of tipping loads, in accordance with SAE J-765.
2. The 56 ft luffing folding boom extension may be used for single line lifting service only.
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. WARNING: Lifting with the 33 ft extension base, with the 23 ft extension fly either erected or folded along side of extension base, or with either one or two 16 ft insert sections installed, is strictly prohibited.
5. For main boom lengths less than 141.7 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.
6. When lifting over the main boom nose with the 56 ft extension erected and inserts, the outriggers must be fully extended and vertical jacks set.

33 ft – 56 ft luffing bi-fold boom extension with inserts
(Mode B) (intermediate offsettable angles)

37.3 ft – 141.7 ft | 33 ft – 56 ft | 1 or 2 16 ft inserts | 22,000 lb | 100% 24 ft spread | 360°

	Pounds			
	72 ft LENGTH (56 ft + 1 INSERT)		88 ft LENGTH (56 ft + 2 INSERTS)	
Feet	5° - 20° OFFSET	20° - 40° OFFSET	5° - 20°	20° - 40° OFFSET
	#0095		#1095	
70	6090			
75	5920		5000	
80	5750	5340	5000	
85	5600	5260	5000	4460
90	5460	5100	4790	4460
95	5260	4800	4420	4150
100	4910	4520	4090	3860
105	4610	4270	3790	3600
110	4310	4020	3490	3340
115	3840	3790	3230	3110
120	3180	3570	2980	2890
125	2570	3290	2720	2680
130	2020	2680	2160	2480
135	1510	2120	1640	2300
140	1040	1600	1170	1780
145		1130		1300
Min. boom angle for indicated length (no load)	52°	52°	56°	56°
Max. boom length at 5° boom angle (no load)	76.7'		63.7'	

A6-829-103526

#LMI operating code. Refer to LMI manual for operating instructions.

NOTES:

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed 85% of tipping loads, in accordance with SAE J-765.
2. The 56 ft luffing folding boom extension may be used for single line lifting service only
   WARNING: Lifting with the 33 ft extension base, with the 23 ft extension fly either erected or folded along side of extension base, or with either one or two 16 ft insert sections installed, is strictly prohibited.
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. The loads for luffing depend on the angle of the main boom, angle of the boom extension and dynamic working pressure of the luffing cylinder for the boom extension.
5. When lifting over the main boom nose with 56 ft extension erected and inserts, the outriggers must be fully extended and vertical jacks set only.

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