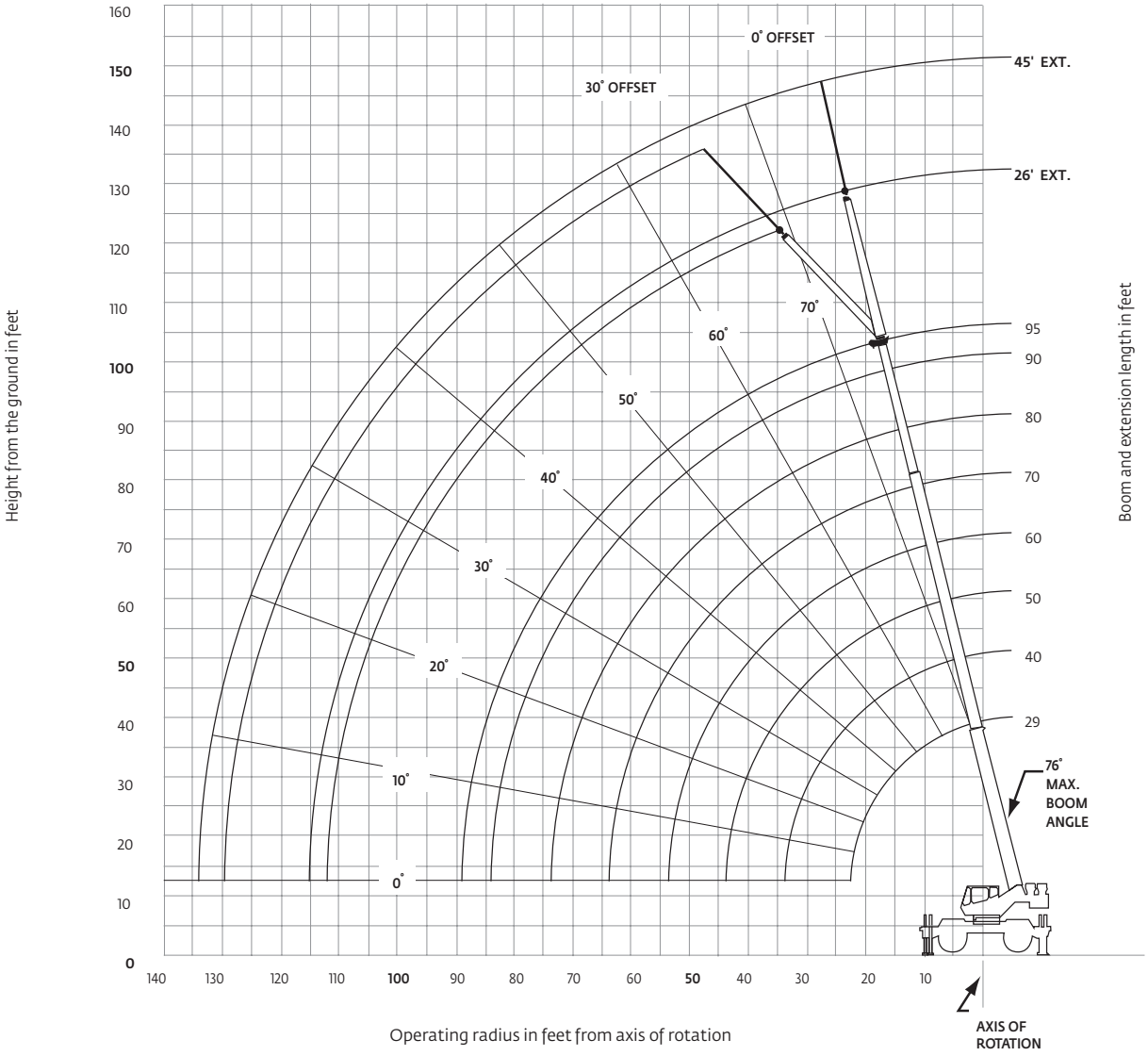
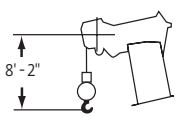
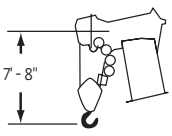
Working range

95 ft main boom + 26 ft - 45 ft extension







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

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Load chart

29 ft - 95 ft | 8416 lb | 100% 20 ft spread | 360°

Feet	Pounds							
	29	40	50	60	70	80	90	95
10	60,000 (60.5)	50,100 (69.5)	46,950 (74.5)					
12	54,650 (56)	50,100 (66.5)	44,950 (72)	*38,850 (76)				
15	42,850 (47.5)	43,800 (61.5)	41,050 (68)	36,000 (72)	*29,450 (76)	*22,450 (76)		
20	30,700 (30)	31,650 (53)	32,100 (61.5)	29,500 (67)	27,400 (71)	22,450 (73.5)	*18,550 (76)	*15,500 (76)
25		24,050 (42.5)	24,500 (54.5)	24,800 (61.5)	23,100 (66.5)	19,250 (70)	16,500 (72.5)	15,300 (74)
30		18,800 (29)	19,250 (47)	19,550 (56)	19,600 (61.5)	16,850 (66)	14,400 (69)	13,200 (70.5)
35			15,550 (38)	15,850 (49.5)	16,000 (56.5)	14,850 (61.5)	12,700 (65.5)	11,500 (67.5)
40			12,800 (26)	12,950 (42.5)	13,000 (51.5)	13,050 (57.5)	11,000 (62)	10,000 (64)
45				10,450 (34.5)	10,500 (46)	10,550 (53)	9630 (58.5)	9060 (60.5)
50				8610 (23.5)	8630 (39.5)	8670 (48)	8720 (54.5)	7990 (57)
55					7170 (32)	7200 (43)	7250 (50)	7100 (53)
60					6000 (22)	6030 (37)	6100 (45.5)	6110 (49)
65						5080 (30)	5120 (40.5)	5150 (44.5)
70						4270 (20.5)	4330 (35)	4350 (40)
75							3650 (28.5)	3700 (34.5)
80							3100 (20)	3100 (28)
85								2600 (20)
Minimum boom angle (°) for indicated length (no load)								0
Maximum boom length (ft) at 0° boom angle (no load)								95

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

Lifting capacities at zero degree boom angle
On outriggers fully extended - 360°

Boom angle	Main boom length in feet							
	29	40	50	60	70	80	90	95.2
0°	26,100 (22.8)	15,800 (33.8)	11,000 (43.8)	7430 (53.8)	5220 (63.8)	3730 (73.8)	2660 (83.8)	2220 (89)

Note () Reference radii in feet.

A6-829-101755

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Load chart

Feet	Pounds **26 LENGTH #0021 0° OFFSET	#0023 30° OFFSET	45 ft LENGTH #0041 0° OFFSET	#0043 30° OFFSET
30	*8200 (76)			
35	8200 (73.5)		*5250 (76)	
40	8200 (71)	*5780 (76)	5250 (75)	
45	8120 (68.5)	5780 (73.5)	4940 (73)	
50	7350 (66)	5360 (71)	4540 (71)	
55	6370 (63)	4750 (68)	4150 (68.5)	*2730 (76)
60	5670 (60.5)	4290 (65)	3890 (66)	2730 (74.5)
65	4820 (57.5)	3870 (62)	3740 (64)	2730 (72)
70	4200 (54.5)	3530 (59)	3600 (61.5)	2580 (69.5)
75	3680 (51.5)	3230 (56)	3470 (59)	2520 (67)
80	3080 (48.5)	3000 (52.5)	3240 (56.5)	2460 (64)
85	2520 (45)	2780 (49)	3050 (54)	2420 (61.5)
90	2050 (41)	2410 (45)	2820 (51)	2390 (58.5)
95	1670 (37)	1970 (40.5)	2480 (48.5)	2370 (55.5)
100	1370 (32.5)	1580 (35.5)	2090 (45.5)	2310 (52)
105	1020 (27.5)		1740 (42)	2000 (49)
110			1430 (38.5)	1580 (45)
115			1150 (35)	1260 (40.5)
120			900 (30.5)	
Minimum boom angle (°) for indicated length (no load)	24°	30°	30°	30°
Maximum boom length (ft) at 0° boom angle (no load)	80 ft		80 ft	

#LMI operating code. Refer to LMI manual for instructions.
*This capacity is based on maximum boom angle.
**26 ft capacities are also applicable to fixed offsettable ext. However, the LMI codes will change to #0051 and #0053 for 0° and 30° offset, respectively.

A6-829-100272A

Feet	Pounds **26 LENGTH #4021 0° OFFSET	#4023 30° OFFSET	45 ft LENGTH #4041 0° OFFSET	#4043 30° OFFSET
30	*8200 (76)			
35	8200 (73.5)		*5250 (76)	
40	6940 (71)	*5780 (76)	5250 (75)	
45	5580 (68.5)	5780 (73.5)	4940 (73)	
50	4490 (66)	5360 (71)	4540 (71)	
55	3600 (63)	4350 (68)	4150 (68.5)	*2730 (76)
60	2860 (60.5)	3430 (65)	3490 (66)	2730 (74.5)
65	2190 (57.5)	2670 (62)	2870 (64)	2730 (72)
70	1610 (54.5)	2030 (59)	2340 (61.5)	2580 (69.5)
75	1120 (51.5)	1490 (56)	1840 (59)	2520 (67)
80		1020 (52.5)	1400 (56.5)	2260 (64)
85			1020 (54)	1760 (61.5)
90				1310 (58.5)
0.1A(lb)	570	540	500	460
Minimum boom angle (°) for indicated length (no load)	44°	46°	48°	49°
Maximum boom length (ft) at 0° boom angle (no load)	60 ft		60 ft	

Note: () Boom angles are in degrees.
#LMI operating code. Refer to LMI manual for instructions.
*This capacity is based on maximum boom angle.
**26 ft capacities are also applicable to fixed offsettable ext. However, the LMI codes will change to #4051 and #4053 for 0° and 30° offset, respectively.

A6-829-100273B

BOOM EXTENSION CAPACITY NOTES:

1. All capacities above the bold line are based on structural strength of boom extension.
2. 26 ft and 45 ft boom extension lengths may be used for single line lifting service.
3. Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, 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 configured. For boom angles not shown, use the 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.
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 fully extended and vertical jacks set only.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.
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Load chart

29 ft - 95 ft | 8416 lb | 50% | 360°

14 ft spread

Pounds

#4001

Main boom length in feet

Feet	29	40	50	60	70	80	90	95
10	60,000 (60.5)	48,000 (69.5)	45,000 (74.5)					
12	53,300 (56)	48,000 (66.5)	44,950 (72)	*37,000 (76)				
15	42,100 (47.5)	40,500 (61.5)	38,350 (68)	36,000 (72)	*27,400 (76)	*21,000 (76)		
20	23,950 (30)	23,850 (53)	23,900 (61.5)	24,050 (67)	23,200 (71)	21,000 (73.5)	*17,000 (76)	*15,500 (76)
25		15,850 (42.5)	15,950 (54.5)	16,150 (61.5)	16,350 (66.5)	16,400 (70)	15,950 (72.5)	15,300 (74)
30		11,350 (29)	11,500 (47)	11,650 (56)	11,800 (61.5)	12,000 (66)	12,150 (69)	12,100 (70.5)
35			8620 (38)	8820 (49.5)	8930 (56.5)	9050 (61.5)	9190 (65.5)	9260 (67.5)
40			6610 (26)	6820 (42.5)	6900 (51.5)	6990 (57.5)	7100 (62)	7150 (64)
45				5350 (34.5)	5400 (46)	5470 (53)	5550 (58.5)	5600 (60.5)
50				4220 (23.5)	4260 (39.5)	4310 (48)	4370 (54.5)	4410 (57)
55					3350 (32)	3390 (43)	3430 (50)	3460 (53)
60					2600 (22)	2640 (37)	2670 (45.5)	2700 (49)
65						2020 (30)	2050 (40.5)	2060 (44.5)
70						1490 (20.5)	1520 (35)	1530 (40)
75							1070 (28.5)	1080 (34.5)
0.1A(lb)	660	610	580	560	550	540	540	530
Minimum boom angle (°) for indicated length (no load)							15	20
Maximum boom length (ft) at 0° boom angle (no load)								80

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

Lifting capacity at zero degree on rubber On outriggers at 50% extended - 360°

Boom angle	Main boom length in feet 29	40	50	60	70	80
0°	18,800 (22.8)	9000 (33.8)	5400 (43.8)	3480 (53.8)	2100 (63.8)	1130 (73.8)

Note () Reference radii in feet. A6-829-100270A

29 ft - 95 ft | 8416 lb | 0% | 360°

7 ft 10 in spread

Pounds

#8001

Main boom length in feet

Feet	29	40	50	60	70	80	90	95
10	34,700 (60.5)	32,400 (69.5)	30,400 (74.5)					
12	26,200 (56)	25,400 (66.5)	24,100 (72)	*22,900 (76)				
15	17,750 (47.5)	17,550 (61.5)	17,550 (68)	17,250 (72)	*16,550 (76)	*10,900 (76)		
20	10,650 (30)	10,600 (53)	10,650 (61.5)	10,750 (67)	11,000 (71)	10,900 (73.5)	*10,500 (76)	*10,350 (76)
25		6930 (42.5)	7020 (54.5)	7170 (61.5)	7350 (66.5)	7560 (70)	7610 (72.5)	7490 (74)
30		4670 (29)	4780 (47)	4950 (56)	5080 (61.5)	5240 (66)	5390 (69)	5480 (70.5)
35			3270 (38)	3450 (49.5)	3550 (56.5)	3660 (61.5)	3780 (65.5)	3850 (67.5)
40			2170 (26)	2370 (42.5)	2440 (51.5)	2520 (57.5)	2620 (62)	2670 (64)
45				1550 (34.5)	1600 (46)	1660 (53)	1740 (58.5)	1780 (60.5)
50							1050 (54.5)	1080 (57)
0.1A(lb)	660	610	580	560	550	540	540	530
Minimum boom angle (°) for indicated length (no load)				33	43	51	53	55
Maximum boom length (ft) at 0° boom angle (no load)						50		

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

Lifting capacity at zero degree on rubber On outriggers at 0% extended - 360°

Boom angle	Main boom length in feet 29	40	50
0°	8310 (22.8)	3390 (33.8)	1480 (43.8)

Note () Reference radii in feet. A6-829-100271A

Load chart

29 ft - 60 ft | 8416 lb | Stationary | 360°

Pounds

#9005

Feet	Main boom length in feet 29	40	50	60
10	25,550 (60.5)	25,550 (70)	*16,450 (76)	
12	20,600 (56)	20,600 (66.5)	16,450 (72)	
15	14,350 (47.5)	14,350 (62)	14,350 (68)	14,350 (72.5)
20	8280 (30)	8280 (53)	8280 (61.5)	8280 (67)
25		5330 (42.5)	5330 (54.5)	5330 (61.5)
30		3630 (29)	3630 (47)	3630 (56)
35			2500 (38)	2500 (49.5)
40			1690 (26)	1690 (42.5)
45				1090 (34.5)
Min. boom angle for indicated length (no load)				34°
Max. boom length at 0° boom angle (no load)				50 ft

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

Lifting capacity at zero degree on rubber - 360°

Boom angle	Main boom length in feet 29	40	50
0°	6110 (22.8)	2730 (33.8)	1210 (43.8)

NOTE: Reference radii in feet. A6-829-100274C

29 ft - 60 ft | 8416 lb | Stationary | Defined arc over front

Pounds

#9005

Feet	Main boom length in feet 29	40	50	60
10	30,100 (60.5)	26,550 (70)	16,450 (74.5)	
12	26,550 (56)	22,100 (66.5)	16,450 (72)	
15	22,100 (47.5)	22,100 (62)	16,450 (68)	16,450 (72.5)
20	16,050 (30)	16,050 (53)	16,050 (61.5)	16,050 (67)
25		11,005 (42.5)	11,005 (54.5)	11,005 (61.5)
30		8060 (29)	8060 (47)	8060 (56)
35			6110 (38)	6110 (49.5)
40			4720 (26)	4720 (42.5)
45				3680 (34.5)
50				2870 (23.5)
Min. boom angle for indicated length (no load)				0°
Max. boom length at 0° boom angle (no load)				60 ft

NOTE: ( ) Boom angles are in degrees.
#LMI operating code. Refer to LMI manual for instructions.

Lifting capacity at zero degree on rubber - stationary - defined arc boom centered over front

Boom angle	Main boom length in feet 29	40	50	60
0°	12,700 (22.8)	6500 (33.8)	3890 (43.8)	2360 (53.8)

NOTE: Reference radii in feet. A6-829-100275B

29 ft - 60 ft | 8416 lb | Pick & Carry (max. 2.5 mph) 20.5 x 25 tires | Boom centered over front

Pounds

#9006

Feet	Main boom length in feet 29	40	50	60
10	25,900 (60.5)	25,900 (70)	18,250 (74.5)	
12	22,350 (56)	22,350 (66.5)	18,250 (72)	
15	18,250 (47.5)	18,250 (62)	18,250 (68)	13,350 (72.5)
20	13,350 (30)	13,350 (53)	13,350 (61.5)	13,350 (67)
25		10,350 (42.5)	10,350 (54.5)	10,350 (61.5)
30		8060 (29)	8060 (47)	8060 (56)
35			4810 (38)	4810 (49.5)
40			3770 (26)	3770 (42.5)
45				2930 (34.5)
50				2240 (23.5)
Minimum boom angle (°) for indicated length (no load)				0°
Maximum boom length (ft) at 0° boom angle (no load)				60 ft

Note: Boom angles are in degrees.
#LMI operating code. Refer to LMI manual for operating instructions.

Lifting capacity at zero degree on rubber
Pick & Carry - boom centered over front

Boom angle	Main boom length in feet 29	40	50	60
0°	11,400 (22.8)	5090 (33.8)	3110 (43.8)	1800 (53.8)

Note () Reference radii in feet. A6-829-100276B

NOTES TO ALL RUBBER CAPACITY CHARTS:

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 20.5 x 25 (24 ply) tires at 75 psi cold inflation pressure, and 16.00 x 25 (28 ply) tires at 100 psi cold inflation pressure.
3. Defined Arc - Over front includes 6° on either side of longitudinal centerline of machine (ref. drawing C6-829-003529).
4. Capacities appearing above the bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
5. Capacities are applicable only with machine on firm level surface.
6. On rubber lifting with boom extensions not permitted.
7. 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.
8. Axle lockouts must be functioning when lifting on rubber.
9. 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.
10. Creep - Not over 200 ft of movement in any 30 minute period and not exceeding 1 mph.

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