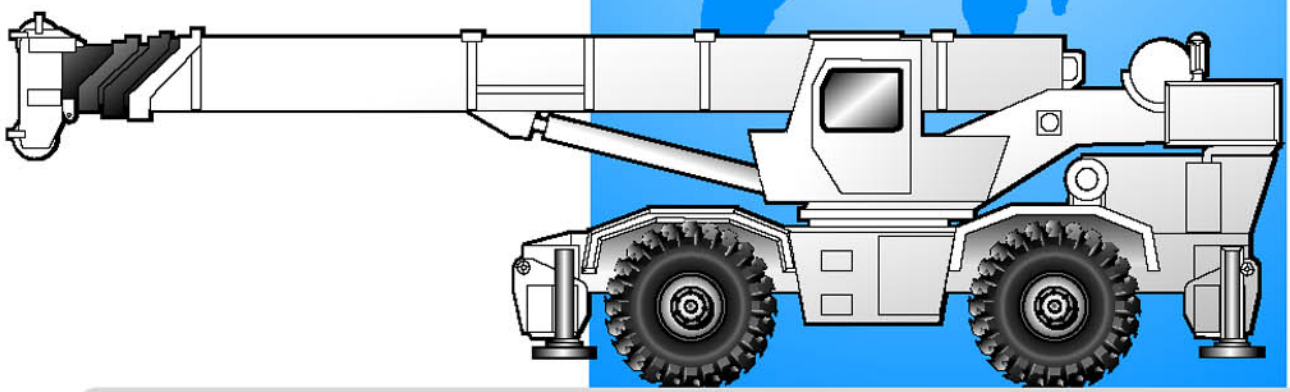
GUAY

GROVE CRANE

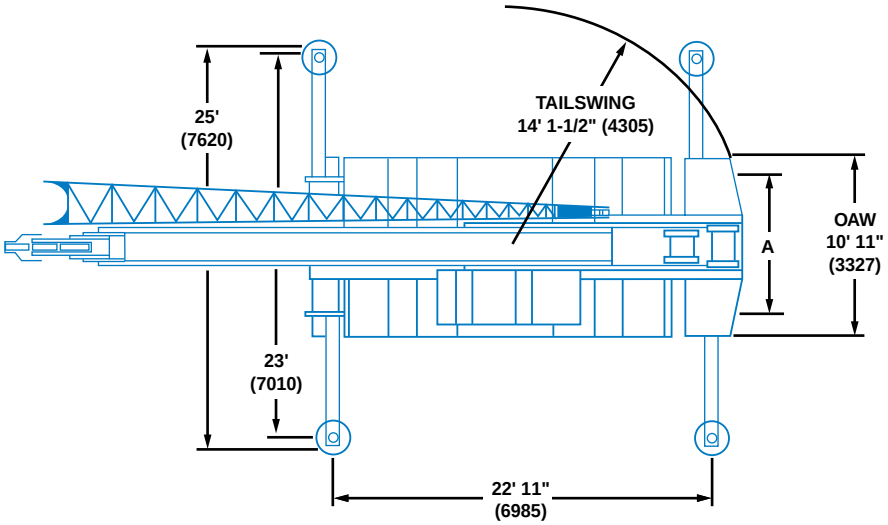
A GROVE WORLDWIDE COMPANY

RT760

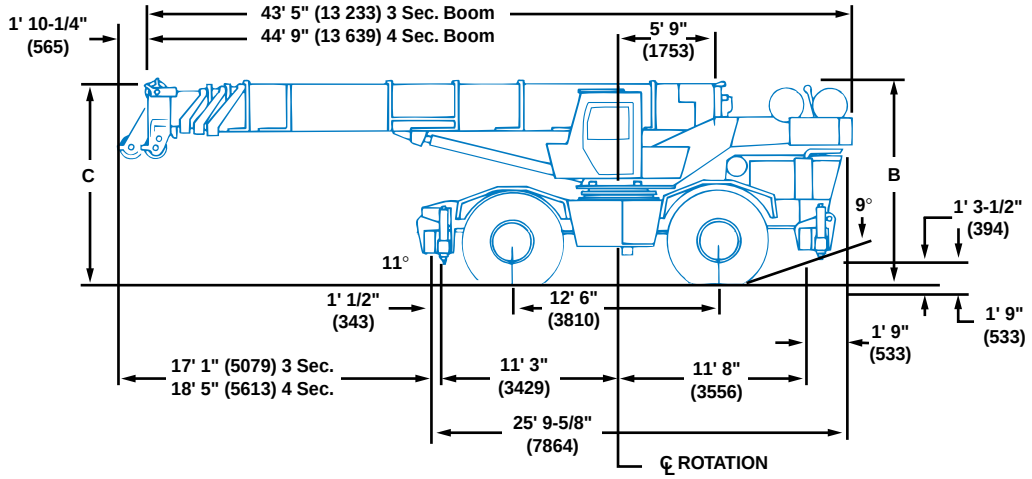


Rough Terrain Hydraulic Crane

Dimensions



TIRE SIZE	29.5 x 25
A (TRACK)	8' 2-1/2" (2502)
B (OAH)	12' 5" (3785)
C	12' 9" (3886)
GROUND CLEARANCE	1' 6-1/2" (470)



Note: ( ) Dimensions are in mm.

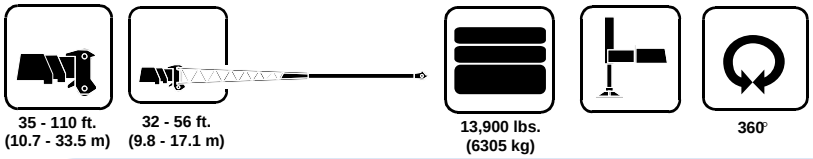
Turning Radius . . . . . 23' 4" (7100 mm)

Front Axle Load . . . . . 45,805 lbs. (20 777 kg)

Rear Axle Load. . . . . 45,080 lbs. (20 448 kg)

Gross Vehicle Weight . . . . . 90,885 lbs. (41 225 kg)

Working range

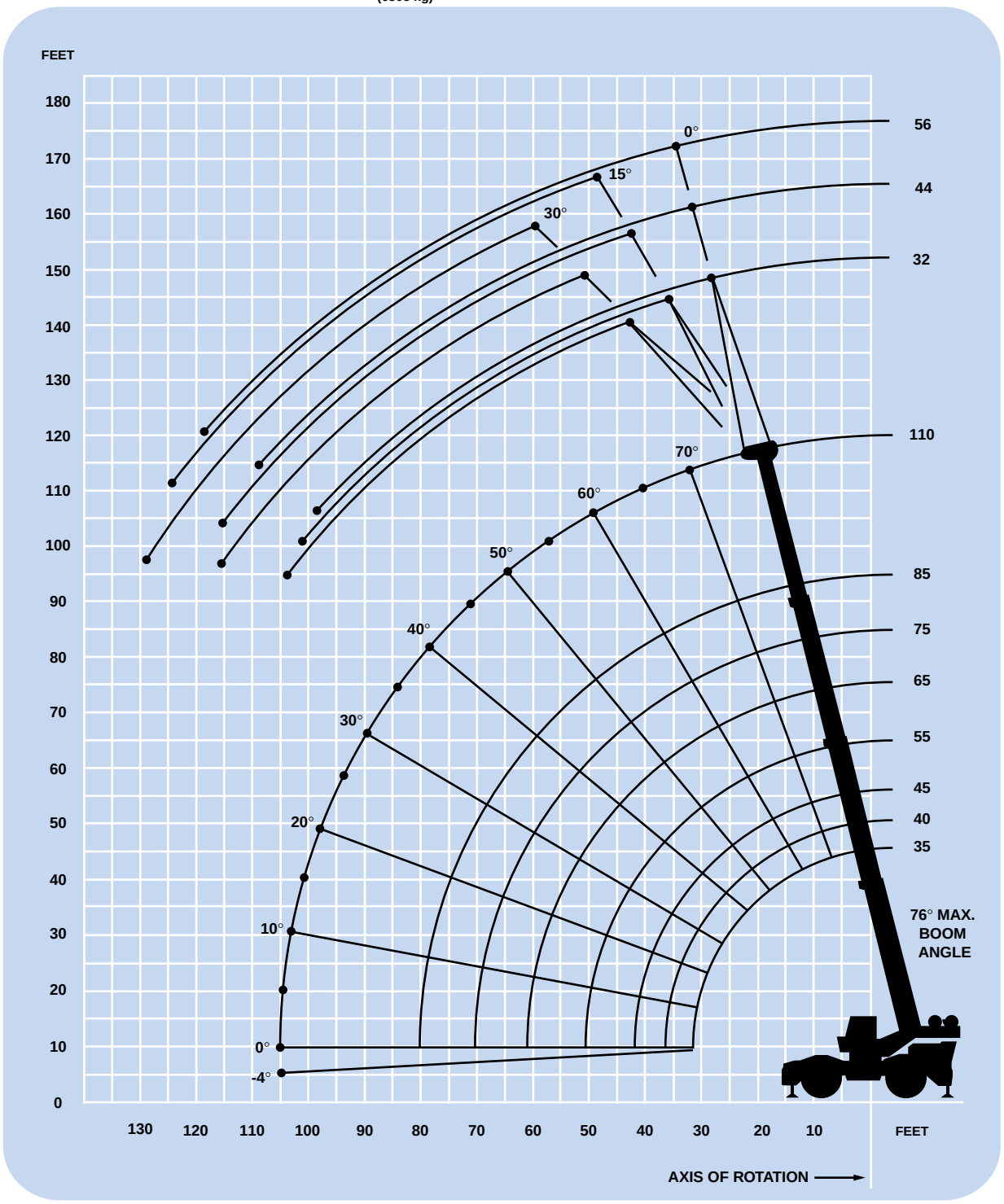


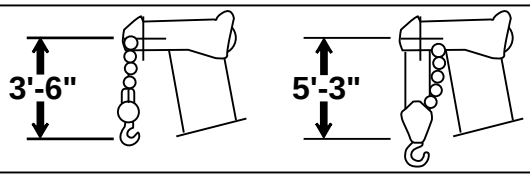
35 - 110 ft. (10.7 - 33.5 m)

32 - 56 ft. (9.8 - 17.1 m)

13,900 lbs. (6305 kg)

360°





DIMENSIONS ARE FOR LARGEST GROVE FURNISHED HOOK BLOCK AND HEADACHE BALL, WITH ANTI-TWO BLOCK ACTIVATED.

Superstructure specifications

Boom
35 ft. - 110 ft. (10.7 m - 33.5 m) four-section boom consisting of a base section, two full power sections and one power pinned section.
Maximum tip height: 117 ft. (35.7 m).

*Optional Boom
34 ft. - 84 ft. (10.4 m - 25.6 m) three-section full power boom.
Maximum tip height: 92 ft. (28 m).

Lattice Extension (4 section boom)
32 ft. (9.8 m) lattice swingaway extension. Offsettable at 0°, 15° or 30°. Stows alongside base boom section.
Maximum tip height: 147 ft. (44.8 m).

*Optional Lattice Extension (4 section boom)
32 ft. - 56 ft. (9.8 m - 17.1 m) telescoping lattice swingaway extension offsettable at 0°, 15° or 30°. Stows alongside base boom section.
Maximum tip height: 170 ft. (51.8 m).

Lattice Extension (3 section boom)
32 ft. (9.8 m) fixed lattice swingaway extension. Stows alongside base boom section.
Maximum tip height: 122 ft. (37.2 m).

Boom Nose
Five steel sheaves mounted on heavy duty tapered roller bearings with removable pin-type rope guards.
*Optional auxiliary boom nose.

Boom Elevation
Two double acting hydraulic cylinders with integral holding valves provide elevation from -4° to 76°.

Load Moment & Anti-Two Block System
Standard load moment and anti-two block system with audio-visual warning and control lever lockout. These systems provide electronic display of boom angle, length, radius, tip height, relative load moment, maximum permissible load and load indication and warning of impending two-block condition.

Cab
Full vision, all steel fabricated with acoustical lining and tinted safety glass throughout. Complete driving controls and engine instrumentation. Dash mounted control levers for craning functions. Other standard features include: hinged skylight, sliding left side door and sliding right side window, electric windshield wash-wipe, propane heater, circulating air fan, fire extinguisher, seat belt and two front mounted worklights.

Swing
Ball bearing swing circle with 360° continuous rotation. Planetary glide swing with foot applied multi-disc brake. Spring applied, hydraulically released parking brake, plunger type one position and 360° mechanical house lock, operated from cab.
Maximum speed: 2.6 RPM.

Counterweight
Integral with turntable mast.

With main hoist only:	13,900 lbs. (6305 kg)
With main & aux.:	12,150 lbs. (5511 kg)

Hydraulic System
Four main pumps with a combined capacity of 146 GPM (553 LPM).
Maximum operating pressure: 2500 PSI (172.4 bar).

Four individual valve banks.

Return line type filter with full flow by-pass protection and service indicator. Replaceable cartridge with micron filtration rating of 15/30/38.

154 gallon (583 L) reservoir. Remote mounted oil cooler with thermostatically controlled electric motor driven fan/air to oil.

System pressure test panel with quick release type fittings for each circuit.

Hoist Specifications
Main and Auxiliary Hoist
Planetary reduction with automatic spring applied multi-disc brake. Electronic hoist drum rotation indicator, hoist drum cable followers and wire rope.

	High	Low
Maximum Single Line Pull:	9,280 lbs. (4209 kg)	18,560 lbs. (8419 kg)
Maximum Single Line Speed:	532 FPM (162 m/min)	266 FPM (81 m/min)
Maximum Permissible Line Pull:	12,920 lbs. (5860 kg)	12,920 lbs. (5860 kg)
Rope Diameter:	3/4" (19 mm)	3/4" (19 mm)
Rope Length:	550 ft. (168 m)	500 ft. (152 m)
	Main	Auxiliary
Maximum Rope Stowage:	1,170 ft. (357 m)	690 ft. (210 m)

Denotes optional equipment

Carrier specifications

Chassis
Box section chassis fabricated from high-strength, low alloy steel. Integral outrigger housings and front/rear towing and tie down lugs.

Outrigger System
Four hydraulic telescoping single-stage, double box beam outriggers with inverted jacks and integral holding valves. Three position setting. All steel fabricated, quick release type outrigger floats, 24" (610 mm) diameter.
Maximum outrigger pad load: 85,880 lbs. (39 036 kg).

Outrigger Controls
Controls and crane level indicator located in cab.

Engine
Cummins 6BTA 5.9L diesel, six cylinders, turbocharged, 200 bhp (149 kW) (Gross) @ 2,500 RPM.
Maximum torque: 600 ft. lbs. (814 Nm) @ 1,500 RPM.

*Optional Engine
Caterpillar 3116TA diesel, six cylinders, naturally aspirated, 190 bhp (142 kW) (Gross) @ 2,600 RPM.
Maximum torque: 490 ft. lbs. (664 Nm) @ 1,650 RPM.

Fuel Tank Capacity
60 gallons (227 L)

Transmission
Full powershift with 6 forward and 6 reverse speeds.
Rear axle disconnect for 4 x 2 travel.

Electrical System
Two 12-V - maintenance free batteries.
12-V starting.

Drive
4 x 4.

Steering
Fully independent power steering:
Front: Full hydraulic steering wheel controlled.
Rear: Full hydraulic hand lever controlled.
Provides infinite variations of 4 main steering modes: front only, rear only, crab and coordinated.
Rear steer indicating gauge.

Axles
Front: Drive steer with differential and planetary reduction hubs rigid mounted to chassis.
Rear: Drive/steer with differential and planetary reduction hubs pivot mounted to frame.
*Cross axle differential lock.

Oscillation Lockouts
Automatic full hydraulic lockouts on rear axle permit oscillation only with boom centered over the front.
*Oscillation lockout override control.

Brakes
Full air split circuit operating on all wheels.
Spring-applied, air released parking brake operating on front and rear axles.

Tires
29.5 x 25 - 28PR earthmover type, tubeless
*29.5R25 Radial

Lights
Full lighting including turn indicators, head, tail, brake, and hazard warning lights.

Maximum Speed
20.3 MPH (32.7 kph).

Gradeability (Theoretical)
128% (Based on 88,000 lbs. [39 917 kg] GVW)
29.5 x 25 tires, pumps disengaged, 84 ft. (25.6 m) boom, plus 32 ft. (9.8 m) swingaway.

Miscellaneous Standard Equipment
Full width steel fenders, dual rear view mirrors, hook block tiedown, electronic back-up alarm, front stowage well, light package, air dryer, 360° mechanical house lock and low oil pressure, high water temperature A/V warning system.

*Optional Equipment
*360° flashing beacon
*Cab spotlight
*Engine block heater
*Manual skylight wiper
*Hookblocks/headacheball
*Tow winch (front mounted max. single line pull 15,000 lbs. [6804 kg]; max. speed 92 FPM [28.0 m/min]).
*Spare wheel assembly
*Tire inflation kit
*Tool kit
*Pintle hook front/rear
*Diesel heater/defroster
*Hydraulic oil cab heater
*Air conditioning
*LMI light bar

Denotes optional equipment

RT760

60 TON CAPACITY
35 ft. - 142 ft. BOOM
(POWER PINNED FLY)
85% OF TIPPING - ON OUTRIGGERS
75% OF TIPPING - ON RUBBER

GROVE®
FULL HYDRAULIC
SELF-PROPELLED CRANE

Radius in Feet	Main Boom Length in Feet (Power Pinned Fly Retracted)							Power Pin. Fly Ext. 85 ft.
	35	40	45	55	65	75	85	110
10	120,000 (65)	90,000 (68)	82,000 (71)	80,250 (75)				See Warning Note 17
12	99,000 (61)	90,000 (65)	82,000 (68)	75,000 (73)	67,000 (76)			
15	83,500 (55.5)	83,500 (60)	82,000 (64)	68,000 (69.5)	59,000 (73)			
20	64,350 (44.5)	64,350 (51)	64,300 (56.5)	55,750 (63.5)	49,000 (68.5)	43,000 (72)	39,350 (74.5)	
25	49,450 (31)	49,450 (41)	49,450 (48.5)	47,900 (57.5)	40,400 (63.5)	35,550 (68)	33,000 (71)	27,100 (76)
30		39,600 (28)	39,600 (39)	39,600 (51)	34,350 (58.5)	31,000 (63.5)	27,800 (67.5)	23,450 (74)
35	See Warning Note 16		32,400 (26.5)	32,400 (44)	29,750 (53)	26,550 (59)	23,900 (63.5)	20,600 (71)
40				24,280 (35.5)	24,280 (47)	23,200 (54.5)	20,850 (60)	18,350 (68)
45				19,250 (24.5)	19,250 (40.5)	19,250 (49.5)	18,300 (55.5)	16,450 (65)
50					15,830 (32.5)	15,830 (44)	15,830 (51.5)	14,750 (62)
55					13,330 (22.5)	13,330 (38)	13,330 (46.5)	13,250 (59)
60						11,450 (31)	11,450 (41.5)	11,950 (56)
65						9,760 (21.5)	9,760 (36)	10,800 (52.5)
70							8,150 (29.5)	9,730 (49)
75							6,620 (20.5)	8,450 (45.5)
80								7,460 (41.5)
85								6,530 (37)
90								5,620 (32)
95								4,750 (26.5)
100								3,940 (18.5)
Minimum boom angle (deg.) for indicated length (no load)							0	0
Maximum boom length (ft.) at 0 deg. boom angle (no load)							85	110

NOTE: Boom angles are in degrees.

A6-829-007096 & -004949B

GENERAL:
1. Rated loads as shown on lift chart pertain to this machine as originally manufactured and equipped. Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be hazardous if improperly operated or maintained. Operation and maintenance of this machine shall be in compliance with the information in the operator's, parts, and safety manuals supplied with this machine. If these manuals are missing, order replacements from the manufacturer through the distributor.
3. The operator and other personnel associated with this machine shall fully acquaint themselves with the latest applicable American National Standards Institute (ANSI) Safety Standards for cranes.

SETUP:
1. The machine shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats or tires to spread the load to a larger bearing surface.
2. For outrigger operation, outriggers shall be fully extended with tires raised free of crane weight before operating the boom or lifting loads.
3. If machine is equipped with front jack cylinder, the front jack cylinder shall be set in accordance with written procedure.
4. If machine is equipped with extendable counterweight, the counterweight shall be fully extended before operation.
5. Tires shall be inflated to the recommended pressure before lifting on rubber.
6. With certain boom and hoist tackle combinations, maximum capacities may not be obtainable with standard cable lengths.

OPERATION:
1. Rated loads at rated radius shall not be exceeded. Do not tip the machine to determine allowable loads. For clamshell or concrete bucket operation, weight of bucket and load must not exceed 80% of rated lifting capacities.

RT760

60 TON CAPACITY
35 ft. - 142 ft. BOOM
(POWER PINNED FLY)
85% OF TIPPING - ON OUTRIGGERS
75% OF TIPPING - ON RUBBER

GROVE®

FULL HYDRAULIC

SELF-PROPELLED CRANE

RATED LIFTING CAPACITIES IN POUNDS
35 ft. - 142 ft. BOOM

ON RUBBER CAPACITIES

29.5x25 (22 ply) TIRES

Radius in Feet	Stationary Capacity Defined Arc (3) Over Front	Stationary Capacity 360° Arc	Pick & Carry Cap. Up to 2.5 MPH Boom Centered (7) Over Front
10	64,400 (a)	51,600 (a)	47,000 (a)
12	48,700 (a)	44,100 (a)	42,020 (a)
15	37,800 (a)	31,320 (a)	34,160 (a)
20	34,410 (a)	18,890 (a)	30,480 (a)
25	23,080 (a)	12,880 (a)	23,080 (a)
30	16,950 (b)	8,520 (b)	16,950 (b)
35	12,530 (c)	5,790 (c)	10,050 (c)
40	9,520 (d)	3,840 (d)	7,860 (d)
45	7,230 (d)	2,530 (d)	6,020 (d)
50	5,430 (e)	1,280 (e)	4,480 (e)
55	3,990 (e)		3,180 (e)
60	2,850 (f)		2,110 (f)
65	2,010 (f)		1,300 (f)
70	1,320 (g)		

A6-829-007113

29.5x25 (28 ply) TIRES

Radius in Feet	Stationary Capacity Defined Arc (3) Over Front	Stationary Capacity 360° Arc	Pick & Carry Cap. Up to 2.5 MPH Boom Centered (7) Over Front
10	65,150 (a)	52,820 (a)	47,000 (a)
12	53,630 (a)	44,820 (a)	42,020 (a)
15	42,070 (a)	31,320 (a)	34,160 (a)
20	31,470 (a)	18,890 (a)	30,480 (a)
25	23,080 (a)	12,880 (a)	23,080 (a)
30	16,950 (b)	8,520 (b)	16,950 (b)
35	12,530 (c)	5,790 (c)	12,530 (c)
40	9,520 (d)	3,840 (d)	9,520 (d)
45	7,230 (d)	2,530 (d)	7,230 (d)
50	5,430 (e)	1,280 (e)	5,430 (e)
55	3,990 (e)		3,990 (e)
60	2,850 (f)		2,850 (f)
65	2,010 (f)		2,010 (f)
70	1,320 (g)		1,320 (g)

A6-829-007115

Maximum permissible boom length:
(Power pinned fly retracted)

(a)	35 ft.	(e)	65 ft.
(b)	40	(f)	75
(c)	45	(g)	85
(d)	55		

		85 ft. Boom Fly Ret
Front (No Load)	Min. boom angle (deg.) for indicated length	13
	Max. boom length (ft.) at 0 deg. boom angle	83
360 (No Load)	Min. boom angle (deg.) for indicated length	44
	Max. boom length (ft.) at 0 deg. boom angle	60

NOTES FOR RUBBER CAPACITIES

1. Capacities are in pounds and do not exceed **75%** of tipping loads as determined by test in accordance with SAE J-765.
2. Capacities are applicable to machine equipped with:

	Cold Inflation	2.5 MPH
29.5x25 (22 ply)	60 PSI	50 PSI
29.5x25 (28 ply)	75 PSI	65 PSI

3. Defined Arc - Over front includes ±6° on either side of longitudinal centerline of machine (ref. drawing C6-829-003529).
4. Capacities are applicable only with machine on firm level surface.
5. Axle lockouts must be functioning before lifting on rubber. (Check automatic lockout system for proper functioning: refer to "Operation and Maintenance Manual" for description of a proper functioning axle lockout system.)
6. All rubber 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.
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. On rubber lifting with power pinned fly extended, boom extension, or jib is not permitted.
9. Creep - not over 200 feet (61 meters) of movement in any 30-minute period, and not exceeding 1 mph (1.6 kph).

NOTES FOR LIFTING CAPACITIES

2. Rated loads do not exceed 35% of the tipping load as determined by SAE Crane Stability Test Code J-765a.
3. Rated loads include the weight of hook block, slings and auxiliary lifting devices and their weights shall be subtracted from the listed ratings to obtain the net load to be lifted.
4. Load ratings are based on freely suspended loads. No attempt shall be made to move a load horizontally on the ground in any direction.
5. Rated loads do not account for wind on lifted load or boom. It is recommended when wind velocity is above 20 mph (32 km/h), rated loads and boom lengths shall be appropriately reduced.
6. Rated loads are for lift crane service only.
7. Do not operate at a radius or boom length where capacities are not listed. At these positions, the machine may overturn without any load on the hook.
8. The maximum load which can be telescoped is not definable because of variations in loadings and crane maintenance, but it is safe to attempt retraction and extension within the limits of the capacity chart.
9. When either boom length or radius or both are between values listed, the smallest load shown at either the next larger radius or boom length shall be used.
10. For safe operation, the user shall make due allowances for his particular job conditions, such as: soft or uneven ground, out of level conditions, high winds, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, two machine lifts, traveling with loads, electric wires, etc. Side pull on boom or jib is extremely dangerous.
11. Power telescoping boom sections must be extended equally at all times.
12. Handling of personnel from the boom is not authorized except with equipment furnished and installed by Grove Manufacturing Company.
13. Keep load handling devices a minimum of 12 inches (30 cm) below boom head when lowering or extending boom.
14. Loaded boom angles give an approximation of the operating radius at specified boom lengths. The boom angle before loading should be greater to account for deflection.
15. Capacities appearing above the bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
16. Capacities for the 35 ft. (10.8 m) boom length shall be lifted with boom fully retracted. If boom is not fully retracted, capacities shall not exceed those shown for the 40 ft. (12.2 m) boom length.
17. For boom lengths less that 110 ft. (33.5 m) with power pinned fly extended, the rated loads are determined by boom angle in the column headed by 110 ft. (33.5 m) boom (power fly extended). For boom angles not shown, use rating of next lower boom angle. For this load column, the extended power pinned operational mode is to be selected on the Krueger L.M.I.*

DEFINITIONS:

1. Operating Radius: Horizontal distance from a projection of the axis of rotation to the supporting surface before loading to the center of the vertical hoist line or tackle with load applied.
2. Loaded Boom Angle (Shown in Parenthesis on Main Boom Capacity Chart): is the angle between the boom base section and the horizontal, after lifting the rated load at the rated radius.
3. Working Area: Areas measured in a circular arc about the center line of rotation as shown on the working area diagram.
4. Freely Suspended Load: Load hanging free with no direct external force applied except by the lift cable.
5. Side Load: Horizontal force applied to the lifted load either on the ground or in the air.

RT760

60 TON CAPACITY
35 ft. - 142 ft. BOOM
(POWER PINNED FLY)
85% OF TIPPING - ON OUTRIGGERS
75% OF TIPPING - ON RUBBER

32 FT. OFFSETTABLE EXTENSION (ON OUTRIGGERS - 360°)

Main Boom Angle	32 ft. LENGTH 0° OFFSET Rad. Ref. (ft.)	0° OFFSET Cap. lbs.	15° OFFSET Rad. Ref. (ft.)	15° OFFSET Cap. lbs.	30° OFFSET Rad. Ref. (ft.)	30° OFFSET Cap. lbs.
POWER PINNED FLY RET'D.						
75°	26.7	20,600	33.2	15,600	37.9	10,600
70	36.2	17,500	42.2	13,100	46.7	9,700
65	45.3	15,100	50.9	11,500	55.1	8,900
60	54.1	13,200	59.1	10,200	63.1	8,200
55	62.5	11,300	66.9	8,900	70.5	7,300
50	70.4	8,950	74.1	7,800	77.3	6,500
45	77.7	7,020	80.7	6,330	83.5	5,700
POWER PINNED FLY EXT'D.						
75	36.6	12,500	41.7	9,700	46.9	8,100
70	48.1	11,000	52.9	8,900	57.7	7,600
65	59.2	9,300	63.7	8,000	68.1	7,100
60	69.9	8,300	74.0	7,200	77.9	6,600
55	80.1	7,400	83.8	6,500	87.1	6,080
50	89.6	5,650	92.8	5,080	95.6	4,610
45	98.4	4,220	101.2	3,800	103.3	3,520

A6-829-008604 & -008600

NOTES FOR LIFTING WITH 32 FT. OR 32 FT.-56 FT. TELE. OFFSETTABLE EXTENSION

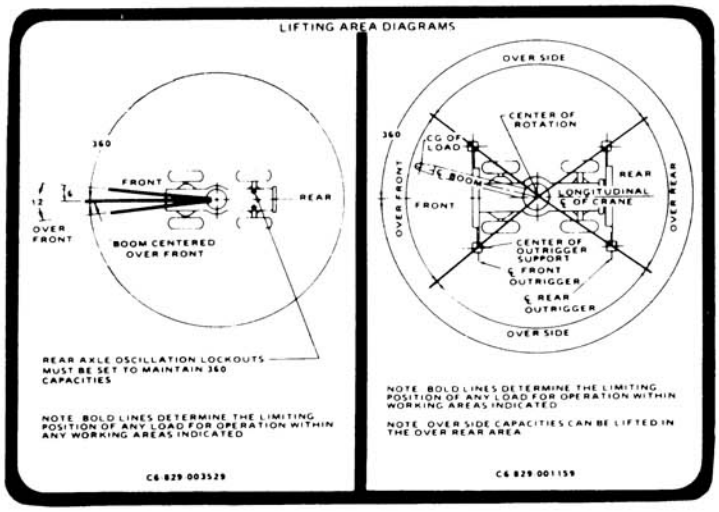
1. All capacities above the bold line are based on structural strength of boom extension and do not exceed 85% of tipping load, in accordance with SAE J-765a.
2. 32 ft., 44 ft. & 56 ft. boom extension lengths may be used for double or single line lifting service.
3. Rated load is based on loaded main boom angle with reference to horizontal, regardless of main boom length. (Ref. radius is for fully extended boom and power pinned fly extended 110 ft. boom length or power pinned fly retracted 85 ft. boom length whichever the case may be.
   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: The Krueger L.M.I. will not compensate for reeving/rigging accessories on the mair boom nose or auxiliary boom nose when programmed to monitor the boom extension. Remove all reeving/rigging accessories from main boom when using boom extension.
5. Capacities listed are with fully extended outriggers only.
6. *BOOM EXTENSION WARNING FOR POWER PINNED FLY EXTENDED: For main boom length greater than 85 ft. with 32 ft. fixed length boom extension or 32 - 56 ft. tele. boom extension in working position, the boom angle must not be less than 30° since loss of stability will occur causing a tipping condition. The boom angle is not restricted for main boom length equal to or less than 85 ft.
7. NO LOAD STABILITY WITH POWER PINNED FLY RETRACTED: No load stability on outriggers 360° with 32 ft. fixed length boom extension or 32 - 56 ft. tele. boom extension installed:
   a. Min. boom angle for 85 ft. main boom = 0°
   b. Max. main boom length at 0° main boom angle = 85 ft.

CAPACITIES FOR 32 FT.-56FT. TELE. OFFSETTABLE EXTENSION (ON OUTRIGGERS - 360°)

Main Boom Angle	32 ft. LENGTH 0° OFFSET Rad. Ref. (ft.)	0° OFFSET Cap. lbs.	15° OFFSET Rad. Ref. (ft.)	15° OFFSET Cap. lbs.	30° OFFSET Rad. Ref. (ft.)	30° OFFSET Cap. lbs.	44 ft. LENGTH 0° OFFSET Rad. Ref. (ft.)	0° OFFSET Cap. lbs.	15° OFFSET Rad. Ref. (ft.)	15° OFFSET Cap. lbs.	30° OFFSET Rad. Ref. (ft.)	30° OFFSET Cap. lbs.	56 ft. LENGTH 0° OFFSET Rad. Ref. (ft.)	0° OFFSET Cap. lbs.	15° OFFSET Rad. Ref. (ft.)	15° OFFSET Cap. lbs.	30° OFFSET Rad. Ref. (ft.)	30° OFFSET Cap. lbs.
POWER PINNED FLY RETRACTED																		
75°	26.7	20,000	33.2	15,000	37.9	10,000	31.1	13,000	40.5	8,600	48.5	6,300	35.4	9,000	48.3	6,700	58.3	4,700
70	36.2	16,900	42.2	12,500	46.7	9,100	41.7	11,300	50.7	7,800	58.0	5,800	46.7	7,600	59.2	5,900	68.3	4,200
65	45.3	14,500	50.9	10,900	55.1	8,300	51.9	10,000	60.4	7,000	67.0	5,300	57.7	6,500	69.7	5,300	77.8	3,900
60	54.1	12,500	59.1	9,500	63.1	7,500	61.8	8,800	69.7	6,300	75.5	5,100	68.3	5,600	79.6	4,700	86.7	3,700
55	62.5	10,800	66.9	8,300	70.5	6,700	71.2	7,600	78.5	5,700	83.4	4,900	78.3	4,700	88.9	4,200	94.8	3,500
50	70.4	8,480	74.1	7,200	77.3	5,900	80.0	6,800	86.6	5,300	90.6	4,700	87.7	4,200	97.6	3,800	102.2	3,400
45	77.7	6,550	80.7	5,870	83.5	5,100	88.2	5,760	94.0	4,740	97.1	4,260	96.5	3,900	105.4	3,700	108.9	3,300
POWER PINNED FLY EXTENDED																		
75	36.6	11,900	41.7	9,100	46.9	7,500	41.9	10,200	53.0	7,400	60.0	5,600	47.6	8,400	60.9	6,100	69.2	4,400
70	48.1	10,400	52.9	8,300	57.7	7,000	54.4	8,800	64.9	6,600	71.0	5,200	60.8	6,900	73.2	5,400	81.0	4,000
65	59.2	8,700	63.7	7,400	68.1	6,500	66.4	7,600	76.3	5,900	81.5	4,700	73.7	5,700	84.9	4,800	92.2	3,800
60	69.9	7,600	74.0	6,500	77.9	5,900	78.0	6,400	87.1	5,400	91.4	4,600	86.0	5,000	96.0	4,300	102.7	3,600
55	80.1	6,900	83.8	5,900	87.1	5,500	90.0	5,600	97.3	4,770	100.6	4,200	97.6	4,200	106.4	3,700	112.4	3,300
50	89.6	5,150	92.8	4,590	95.6	4,140	99.3	4,470	106.8	3,460	109.0	3,190	108.6	3,700	116.0	3,130	121.3	2,590
45	98.4	3,710	101.2	3,320	103.3	3,030	108.9	3,200	115.4	2,480	116.5	2,370	118.8	2,840	124.8	2,260	129.2	1,880

A6-829-008169 & -008179

LIFTING AREA DIAGRAMS



35 - 110 ft.
(10.7 - 33.5 m)

13,900 lbs.
(6305 kg)

100%

360°

85% Domestic (Pounds)

Power Pinned Fly Retracted

Power Pin. Fly Ext. & 85 ft.

(Feet)	35	40	45	55	65	75	85	110
10	120,000 (65)	90,000 (68)	82,000 (71)	80,250 (75)				
12	99,000 (61)	90,000 (65)	82,000 (68)	75,000 (73)	67,000 (76)			
15	83,500 (55.5)	83,500 (60)	82,000 (64)	68,000 (69.5)	59,000 (73)			
20	64,350 (44.5)	64,350 (51)	64,300 (56.5)	55,750 (63.5)	49,000 (68.5)	43,000 (72)	39,350 (74.5)	
25	49,450 (31)	49,450 (41)	49,450 (48.5)	47,900 (57.5)	40,400 (63.5)	35,550 (68)	33,000 (71)	27,100 (76)
30		39,600 (28)	39,600 (39)	39,600 (51)	34,350 (58.5)	31,000 (63.5)	27,800 (67.5)	23,450 (74)
35			32,400 (26.5)	32,400 (44)	29,750 (53)	26,550 (59)	23,900 (63.5)	20,600 (71)
40				24,248 (35.5)	24,280 (47)	23,200 (54.5)	20,850 (60)	18,350 (68)
45				19,250 (24.5)	19,250 (40.5)	19,250 (49.5)	18,300 (55.5)	16,450 (65)
50					15,830 (32.5)	15,830 (44)	15,830 (51.5)	14,750 (62)
55					13,330 (22.5)	13,330 (38)	13,330 (46.5)	13,250 (59)
60						11,450 (31)	11,450 (41.5)	11,950 (56)
65						9,760 (21.5)	9,760 (36)	10,800 (52.5)
70							8,150 (29.5)	9,730 (49)
75							6,620 (20.5)	8,450 (45.5)
80								7,460 (41.5)
85								6,530 (37)
90								5,620 (32)
95								4,750 (26.5)
100								3,940 (18.5)
Minimum boom angle (deg.) for indicated length (no load)							0	0
Maximum boom length (ft.) at 0 deg. boom angle (no load)							85	110

Note: ( ) Boom angles are in degrees.

A6-829-008610 & -004949C

Boom Angle	35	40	45	55	65	75	85	110
0°	24,550 (29.6)	20,550 (34.3)	17,200 (39.3)	12,350 (49.3)	9,030 (59.3)	6,580 (69.3)	4,720 (79.2)	2,930 (104)

Note: ( ) Reference radii in feet.

A6-829-009455

35 - 110 ft.
(10.7 - 33.5 m)

13,900 lbs.
(6305 kg)

50%

360°

85% Domestic (Pounds)

	Power Pinned Fly Retracted							Power Pin. Fly Ext. & 85 ft.
(Feet)	35	40	45	55	65	75	85	110
10	109,500 (65)	90,000 (68)	82,000 (71)	80,250 (75)				
12	97,250 (61)	90,000 (65)	82,000 (68)	75,000 (73)	67,000 (76)			
15	82,600 (55.5)	82,600 (60)	82,000 (64)	68,000 (69.5)	59,000 (73)			
20	53,000 (44.5)	53,000 (51)	53,000 (56.5)	53,000 (63.5)	49,000 (68.5)	43,000 (72)	39,350 (74.5)	
25	36,100 (31)	36,100 (41)	36,100 (48.5)	36,100 (57.5)	36,100 (63.5)	35,350 (68)	33,000 (71)	27,100 (76)
30		26,400 (28)	26,400 (39)	26,400 (51)	26,400 (58.5)	26,400 (63.5)	25,800 (67.5)	23,450 (74)
35			20,400 (26.5)	20,400 (44)	20,400 (53)	20,400 (59)	20,100 (63.5)	20,600 (71)
40				14,800 (35.5)	14,800 (47)	14,800 (54.5)	14,800 (60)	17,050 (68)
45				11,450 (24.5)	11,450 (40.5)	11,450 (49.5)	11,450 (55.5)	14,050 (65)
50					9,240 (32.5)	9,240 (44)	9,240 (51.5)	11,700 (62)
55					7,610 (22.5)	7,610 (38)	7,610 (46.5)	9,800 (59)
60						6,400 (31)	6,400 (41.5)	8,180 (56)
65						5,240 (21.5)	5,240 (36)	6,800 (52.5)
70							4,080 (29.5)	5,580 (49)
75							2,920 (20.5)	4,670 (45.5)
80								3,930 (41.5)
85								3,180 (37)
90								2,510 (32)
95								1,920 (26.5)
100								1,340 (18.5)
Minimum boom angle (deg.) for indicated length (no load)							0	0
Maximum boom length (ft.) at 0 deg. boom angle (no load)							85	110

Note: ( ) Boom angles are in degrees.

Boom Angle	35	40	45	55	65	75	85
0°	24,550 (29.6)	20,550 (34.3)	15,550 (39.3)	9,540 (49.3)	6,570 (59.3)	4,250 (69.3)	1,960 (79.2)

Note: ( ) Reference radii in feet.

A6-829-012347A

35 - 110 ft.
(10.7 - 33.5 m)

13,900 lbs.
(6305 kg)

0%

360°

75% Domestic (Pounds)

Power Pinned Fly Retracted

Power Pin. Fly Ext. & 85 ft.

(Feet)	35	40	45	55	65	75	85	110
10	83,400 (65)	80,050 (68)	76,750 (71)	70,900 (75)				
12	53,850 (61)	53,850 (65)	53,850 (68)	53,850 (73)	52,000 (76)			
15	34,750 (55.5)	34,750 (60)	34,750 (64)	34,750 (69.5)	34,750 (73)			
20	20,600 (44.5)	20,600 (51)	20,600 (56.5)	20,600 (63.5)	20,600 (68.5)	20,600 (72)	20,600 (74.5)	
25	14,850 (31)	14,850 (41)	14,850 (48.5)	14,850 (57.5)	14,850 (63.5)	14,850 (68)	14,850 (71)	17,600 (76)
30		10,900 (28)	10,900 (39)	10,900 (51)	10,900 (58.5)	10,900 (63.5)	10,900 (67.5)	13,450 (74)
35			8,280 (26.5)	8,280 (44)	8,280 (53)	8,280 (59)	8,280 (63.5)	10,400 (71)
40				5,200 (35.5)	5,200 (47)	5,200 (54.5)	5,200 (60)	8,140 (68)
45				3,510 (24.5)	3,510 (40.5)	3,510 (49.5)	3,510 (55.5)	6,340 (65)
50					2,420 (32.5)	2,420 (44)	2,420 (51.5)	4,890 (62)
55					1,660 (22.5)	1,660 (38)	1,660 (46.5)	3,690 (59)
60						1,110 (31)	1,110 (41.5)	2,690 (56)
65								1,840 (52.5)
70								1,110 (49)
Minimum boom angle (deg.) for indicated length (no load)							40.5	48.5
Maximum boom length (ft.) at 0 deg. boom angle (no load)							65	75

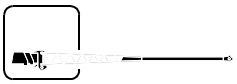
Note: ( ) Boom angles are in degrees.

Boom Angle	35	40	45	55	65
0°	11,150 (29.6)	8,650 (34.3)	5,620 (39.3)	2,570 (49.3)	1,190 (59.3)

Note: ( ) Reference radii in feet.

A6-829-012349A

35 - 110 ft.
(10.7 - 33.5 m)



32 - 56 ft.
(9.8 - 17.1 m)

13,900 lbs.
(6305 kg)

100%

360°

BOOM ANGLE

85% Domestic (Pounds)

POWER PINNED FLY RETRACTED

	32 ft. LENGTH			44 ft. LENGTH			56 ft. LENGTH		
(Degrees)	0° OFFSET	15° OFFSET	30° OFFSET	0° OFFSET	15° OFFSET	30° OFFSET	0° OFFSET	15° OFFSET	30° OFFSET
75	20,000 (26.7)	15,000 (33.2)	10,000 (37.9)	13,000 (31.1)	8,600 (40.5)	6,300 (48.5)	9,000 (35.4)	6,700 (48.3)	4,700 (58.3)
70	16,900 (36.2)	12,500 (42.2)	9,100 (46.7)	11,300 (41.7)	7,800 (50.7)	5,800 (58.0)	7,600 (46.7)	5,900 (59.2)	4,200 (68.3)
65	14,500 (45.3)	10,900 (50.9)	8,300 (55.1)	10,000 (51.9)	7,000 (60.4)	5,300 (67.0)	6,500 (57.7)	5,300 (69.7)	3,900 (77.8)
60	12,500 (54.1)	9,500 (59.1)	7,500 (63.1)	8,800 (61.8)	6,300 (69.7)	5,100 (75.5)	5,600 (68.3)	4,700 (79.6)	3,700 (86.7)
55	10,800 (62.5)	8,300 (66.9)	6,700 (70.5)	7,600 (71.2)	5,700 (78.5)	4,900 (83.4)	4,700 (78.3)	4,200 (88.9)	3,500 (94.8)
50	8,480 (70.4)	7,200 (74.1)	5,900 (77.3)	6,800 (80.0)	5,300 (86.6)	4,700 (90.6)	4,200 (87.7)	3,800 (97.6)	3,400 (102.2)
45	6,550 (77.7)	5,870 (80.7)	5,100 (83.5)	5,760 (88.2)	4,740 (94.0)	4,260 (97.1)	3,900 (96.5)	3,700 (105.4)	3,300 (108.9)

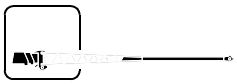
POWER PINNED FLY EXTENDED

75	11,900 (36.6)	9,100 (41.7)	7,500 (46.9)	*9,000 (41.9)	7,400 (53.0)	5,600 (60.0)	**7,000 (47.6)	6,100 (60.9)	4,400 (69.2)
70	10,400 (48.1)	8,300 (52.9)	7,000 (57.7)	8,800 (54.4)	6,600 (64.9)	5,200 (71.0)	6,900 (60.8)	5,400 (73.2)	4,000 (81.0)
65	8,700 (59.2)	7,400 (63.7)	6,500 (68.1)	7,600 (66.4)	5,900 (76.3)	4,700 (81.5)	5,700 (73.7)	4,800 (84.9)	3,800 (92.2)
60	7,600 (69.9)	6,500 (74.0)	5,900 (77.9)	6,400 (78.0)	5,400 (87.1)	4,600 (91.4)	5,000 (86.0)	4,300 (96.0)	3,600 (102.7)
55	6,900 (80.1)	5,900 (83.8)	5,500 (87.1)	5,600 (90.0)	4,770 (97.3)	4,200 (100.6)	4,200 (97.6)	3,700 (106.4)	3,300 (112.4)
50	5,150 (89.6)	4,590 (92.8)	4,140 (95.6)	4,470 (99.3)	3,460 (106.8)	3,190 (109.0)	3,700 (108.6)	3,130 (116.0)	2,590 (121.3)
45	3,710 (98.4)	3,320 (101.2)	3,030 (103.3)	3,200 (108.9)	2,480 (115.4)	2,370 (116.5)	2,840 (118.8)	2,260 (124.8)	1,880 (129.2)

NOTE: ( ) Reference radii in feet.
***If two parts of line are used, the capacity increases to 10,200 lbs.**
****If two parts of line are used, the capacity increases to 8,400 lbs.**

A6-829-008169 & -008179A

35 - 110 ft.
(10.7 - 33.5 m)



32 - 56 ft.
(9.8 m - 17.1 m)

13,900 lbs.
(6305 kg)

50%

360°

BOOM ANGLE

85% Domestic (Pounds)

POWER PINNED FLY RETRACTED

	32 FT. LENGTH			44 FT. LENGTH			56 FT. LENGTH		
(Degrees)	0° OFFSET	15° OFFSET	30° OFFSET	0° OFFSET	15° OFFSET	30° OFFSET	0° OFFSET	15° OFFSET	30° OFFSET
75	20,000 (26.7)	15,000 (33.2)	10,000 (37.9)	13,000 (31.1)	8,600 (40.5)	6,300 (48.5)	9,000 (35.4)	6,700 (48.3)	4,700 (58.3)
70	16,900 (36.2)	12,500 (42.2)	9,100 (46.7)	11,300 (41.7)	7,800 (50.7)	5,800 (58.0)	7,600 (46.7)	5,900 (59.2)	4,200 (68.3)
65	12,500 (45.3)	10,900 (50.9)	8,300 (55.1)	10,000 (51.9)	7,000 (60.4)	5,300 (67)	6,500 (57.7)	5,300 (69.7)	3,900 (77.8)
60	8,780 (54.1)	7,730 (59.1)	6,470 (63.1)	7,250 (61.8)	6,070 (69.7)	4,790 (75.5)	5,600 (68.3)	4,700 (79.6)	3,700 (86.7)
55	6,200 (62.5)	5,410 (66.9)	4,530 (70.5)	5,060 (71.2)	4,230 (78.5)	3,370 (83.4)	4,480 (78.3)	3,580 (88.9)	2,770 (94.8)
50	4,350 (70.4)	3,750 (74.1)	3,110 (77.3)	3,490 (80)	2,880 (86.6)	2,050 (90.6)	3,100 (87.7)	2,430 (97.6)	1,890 (102.2)
45	2,990 (77.7)	2,510 (80.7)	2,050 (83.5)	2,320 (88.2)	1,870 (94.0)	1,500 (97.1)	2,060 (96.5)	1,560 (105.4)	1,220 (108.9)

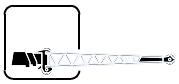
POWER PINNED FLY EXTENDED

75	11,900 (36.6)	9,100 (41.7)	7,500 (46.9)	*9,000 (41.9)	7,400 (53.0)	5,600 (60)	**7,000 (47.6)	6,100 (60.9)	4,400 (69.2)
70	10,400 (48.1)	8,300 (52.9)	7,000 (57.7)	8,800 (54.4)	6,600 (64.9)	5,200 (71.0)	6,900 (60.8)	5,400 (73.2)	4,000 (81.0)
65	7,440 (59.2)	7,070 (63.7)	6,500 (68.1)	6,260 (66.4)	5,200 (76.3)	4,490 (81.5)	5,350 (73.7)	4,520 (84.9)	3,540 (92.2)
60	4,860 (69.9)	4,730 (74.0)	4,220 (77.9)	4,050 (78.0)	3,440 (87.1)	2,880 (91.4)	3,440 (86.0)	3,020 (96.0)	2,210 (102.7)
55	3,050 (80.1)	3,040 (83.8)	2,550 (87.1)	2,370 (90.0)	2,090 (97.3)	1,690 (100.6)	2,090 (97.6)	1,810 (106.4)	1,220 (112.4)
50	1,730 (89.6)	1,700 (92.8)	1,330 (95.6)	1,340 (99.3)	1,020 (106.8)		1,070 (108.6)		

***If 2 parts of line are used, the capacity increases to 10,200 lbs.**
****If 2 parts of line are used, the capacity increases to 8,400 lbs.**

A6-829-012348A

35 - 110 ft.
(10.7 - 33.5 m)



32 ft.
(9.8 m)

13,900 lbs.
(6305 kg)

100%

360°

BOOM ANGLE

85% Domestic (Pounds)

POWER PINNED FLY RETRACTED

(Degrees)	0° OFFSET	15° OFFSET	30° OFFSET
75	20,600 (26.7)	15,600 (33.2)	10,600 (37.9)
70	17,500 (36.2)	13,100 (42.2)	9,700 (46.7)
65	15,100 (45.3)	11,500 (50.9)	8,900 (55.1)
60	13,200 (54.1)	10,200 (59.1)	8,200 (63.1)
55	11,300 (62.5)	8,900 (66.9)	7,300 (70.5)
50	8,950 (70.4)	7,800 (74.1)	6,500 (77.3)
45	7,020 (77.7)	6,330 (80.7)	5,700 (83.5)

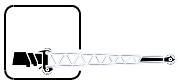
POWER PINNED FLY EXTENDED

75	12,500 (36.6)	9,700 (41.7)	8,100 (46.9)
70	11,000 (48.1)	8,900 (52.9)	7,600 (57.7)
65	9,300 (59.2)	8,000 (63.7)	7,100 (68.1)
60	8,300 (69.9)	7,200 (74.0)	6,600 (77.9)
55	7,400 (80.1)	6,500 (83.8)	6,080 (87.1)
50	5,650 (89.6)	5,080 (92.8)	4,610 (95.6)
45	4,220 (98.4)	3,800 (101.2)	3,520 (103.3)

NOTE: ( ) Reference radii in feet.

A6-829-008604 & -008600

35 - 110 ft.
(10.7 - 33.5 m)



32 ft.
(9.8 m)

13,900 lbs.
(6305 kg)

50%

360°

BOOM ANGLE	 85% Domestic (Pounds)

POWER PINNED FLY RETRACTED

(Degrees)	0° OFFSET	15° OFFSET	30° OFFSET
75	20,600 (26.7)	15,600 (33.2)	10,600 (37.9)
70	17,500 (36.2)	13,100 (42.2)	9,700 (46.7)
65	12,950 (45.3)	11,500 (50.9)	8,900 (55.1)
60	9,230 (54.1)	8,170 (59.1)	6,890 (63.1)
55	6,650 (62.5)	5,860 (66.9)	4,970 (70.5)
50	4,800 (70.4)	4,200 (74.1)	3,560 (77.3)
45	3,460 (77.7)	2,980 (80.7)	2,510 (83.5)

POWER PINNED FLY EXTENDED

75	12,500 (36.6)	9,700 (41.7)	8,100 (46.9)
70	11,000 (48.1)	8,900 (52.9)	7,600 (57.7)
65	7,890 (59.2)	7,520 (63.7)	7,000 (68.1)
60	5,320 (69.9)	5,200 (74.0)	4,680 (77.9)
55	3,520 (80.1)	3,510 (83.8)	3,020 (87.1)
50	2,220 (89.6)	2,190 (92.8)	1,810 (95.6)
45	1,240 (98.4)	1,140 (101.2)	

NOTE: ( ) Reference radii in feet.

A6-829-014094A

35 - 110 ft.
(10.7 - 33.5 m)

13,900 lbs.
(6305 kg)

Stationary
29.5 X 25 - 28PR Tires

360°

75% Domestic (Pounds)

(Feet)	35	40	45	55	65
10	52,820 (65)	34,950 (68)			
12	44,820 (61)	29,200 (65)	29,200 (68)		
15	31,320 (55.5)	23,000 (60)	23,000 (64)	23,000 (69.5)	
20	18,890 (44.5)	16,050 (51)	16,050 (56.5)	16,050 (63.5)	
25	12,880 (31)	11,450 (41)	11,450 (48.5)	11,450 (57.5)	
30		8,520 (28)	8,290 (39)	8,290 (51)	
35			5,790 (26.5)	5,790 (44)	5,790 (53)
40				3,840 (35.5)	3,840 (47)
45				2,530 (24.5)	2,530 (40.5)
50					1,280 (32.5)

Note: ( ) Boom angles are in degrees.

Boom Angle	35	40	45	55
0°	8,780 (29.6)	6,120 (34.3)	4,160 (39.3)	1,470 (49.3)

Note: ( ) Reference radii in feet.

A6-829-010775

35 - 110 ft.
(10.7 - 33.5 m)

13,900 lbs.
(6305 kg)

Stationary
29.5 X 25 - 28PR Tires

Defined Arc
Over Front

75% Domestic (Pounds)

(Feet)	35	40	45	55	65	75	85
10	65,150 (65)	47,250 (68)					
12	53,630 (61)	40,600 (65)	40,600 (68)				
15	42,070 (55.5)	33,100 (60)	33,100 (64)	33,100 (69.5)			
20	31,470 (44.5)	24,500 (51)	24,500 (56.5)	24,500 (63.5)			
25	23,080 (31)	19,210 (41)	18,800 (48.5)	18,800 (57.5)			
30		16,950 (28)	14,700 (39)	14,700 (51)			
35			12,530 (26.5)	11,650 (44)	11,650 (53)		
40				9,520 (35.5)	9,250 (47)		
45				7,230 (24.5)	7,230 (40.5)		
50					5,430 (32.5)		
55					3,990 (22.5)		
60						2,850 (31)	
65						2,010 (21.5)	1,500 (36)
70							1,320 (29.5)

Note: ( ) Boom angles are in degrees.

Boom Angle	35	40	45	55	65	75
0°	17,350 (29.6)	13,100 (34.3)	9,900 (39.3)	5,680 (49.3)	3,010 (59.3)	1,400 (69.3)

Note: ( ) Reference radii in feet.

A6-829-010774

35 - 110 ft.
(10.7 - 33.5 m)

13,900 lbs.
(6305 kg)

Pick & Carry
up to 2.5 MPH
29.5 X 25 - 28PR Tires

Boom Centered
Over Front

75% Domestic (Pounds)

(Feet)	35	40	45	55	65	75	85
10	47,000 (65)	45,100 (68)	45,100 (71)				
12	42,020 (61)	38,950 (65)	38,950 (68)				
15	34,160 (55.5)	31,950 (60)	31,950 (64)	31,950 (69.5)			
20	30,480 (44.5)	23,850 (51)	23,850 (56.5)	23,850 (63.5)	23,850 (68.5)	23,850 (72)	
25	23,080 (31)	19,210 (41)	18,400 (48.5)	18,400 (57.5)	18,400 (63.5)	18,400 (68)	
30		16,950 (28)	14,450 (39)	14,450 (51)	14,450 (58.5)	14,450 (63.5)	
35			12,530 (26.5)	11,450 (44)	11,450 (53)	11,450 (59)	11,450 (63.5)
40				9,520 (35.5)	9,150 (47)	9,150 (54.5)	9,150 (60)
45				7,230 (24.5)	7,230 (40.5)	7,230 (49.5)	7,230 (55.5)
50					5,430 (32.5)	5,430 (44)	5,430 (51.5)
55					3,990 (22.5)	3,990 (38)	3,990 (46.5)
60						2,850 (31)	2,850 (41.5)
65						2,010 (21.5)	1,500 (36)
70							1,320 (29.5)

Note: ( ) Boom angles are in degrees.

Boom Angle	35	40	45	55	65	75
0°	17,350 (29.6)	13,100 (34.3)	9,900 (39.3)	5,680 (49.3)	3,010 (59.3)	1,400 (69.3)

Note: ( ) Reference radii in feet.

A6-829-010776

Weight Reductions for Load Handling Devices

32 FT. BOOM EXTENSION

*Stowed -	930 lbs.
*Erected -	5,519 lbs.

32 FT. - 56 FT. BOOM EXTENSION

*Stowed -	1,163 lbs.
*Erected (Retracted) -	6,996 lbs.
*Erected (Extended) -	8,945 lbs.

*Reduction of main boom capacities

AUXILIARY BOOM HEAD	220 lbs.
HOOKBLOCKS and HEADACHE BALLS:	
60 Ton, 5 Sheave	1,370 lbs.+
15 Ton, 1 Sheave	380 lbs.+
7 1/2 Ton Headache Ball	338 lbs.+
10 Ton Headache Ball	560 lbs.+

+Refer to rating plate for actual weight.

Rated lifting capacities

IMPORTANT NOTES:

WARNING: THIS CHART IS ONLY A GUIDE.
The notes below are for illustration only and should not be relied upon to operate the crane. The individual crane's load chart, operating instructions and other instruction plates must be read and understood prior to operating the crane.

1. All rated loads have been tested to and meet minimum requirements of SAE J1063 NOV93 - Cantilevered Boom Crane Structures - Method of Test, and do not exceed 85% of the tipping load on outriggers fully extended and 50% extended, and 75% of the tipping load on outriggers 0% extended (fully retracted) and rubber, as determined by SAE J765 OCT90 Crane Stability Test Code.

2. Capacities given do not include the weight of hookblocks, slings, auxiliary lifting equipment and load handling devices. Their weights must be added to the load to be lifted. When more than minimum required reeving is used, the additional rope weight shall be considered part of the load.

3. Defined Arc ±6° on either side of longitudinal centerline of machine.

4. Capacities appearing above the bold line are based on structural strength. Tipping should never be relied upon as a capacity limit indicator.

5. All capacities are for crane on firm, level surface. It may be necessary to have structural supports under the outrigger floats or tires to spread the load to a larger bearing surface.

6. When either boom length or radius or both are between values listed, the smallest load shown at either the next larger radius or boom length shall be used.

7. Tires shall be inflated to the recommended pressure before lifting on rubber.

8. For outrigger operation, ALL outriggers shall be properly extended with tires raised free of ground before raising the boom or lifting loads.

Symbols Glossary