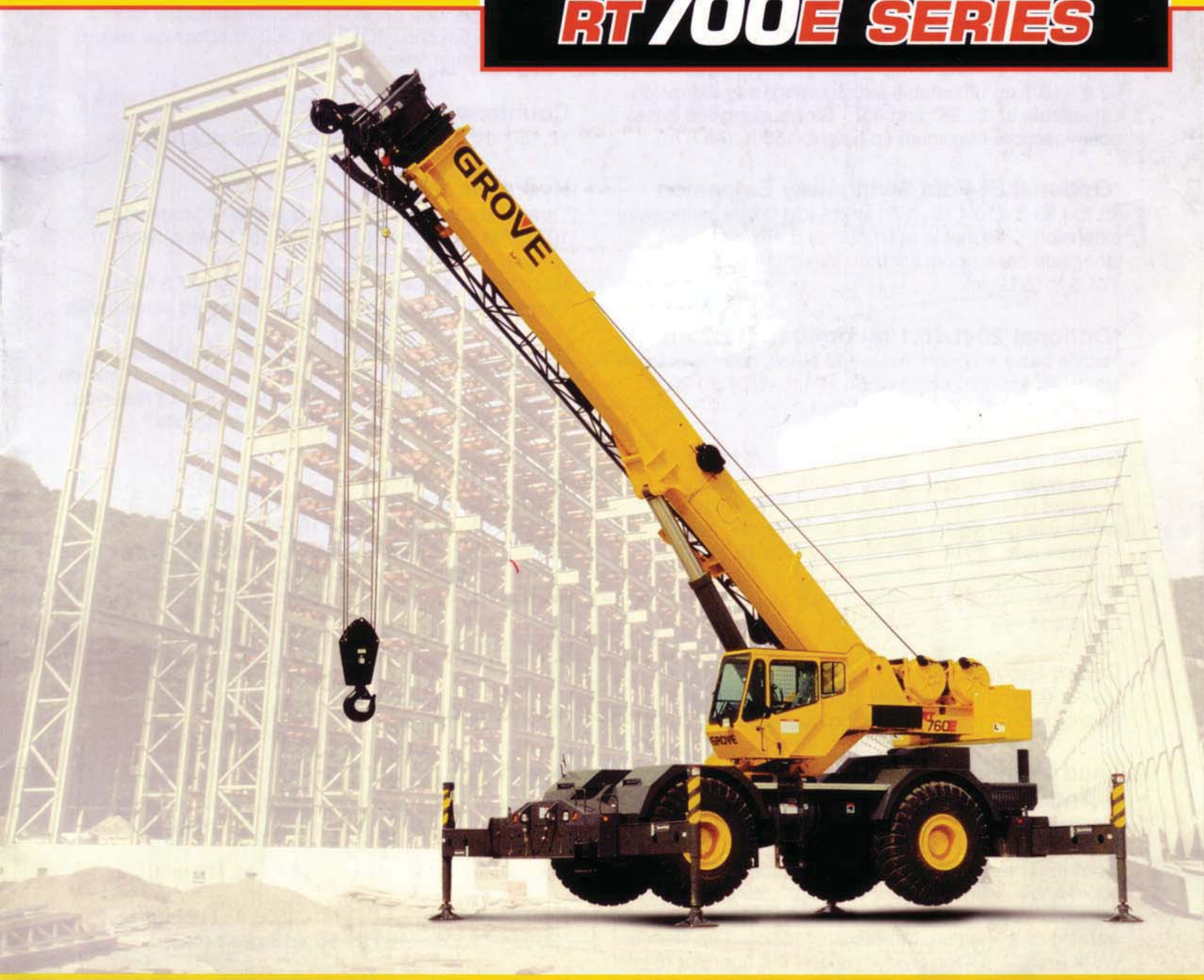
GUAY

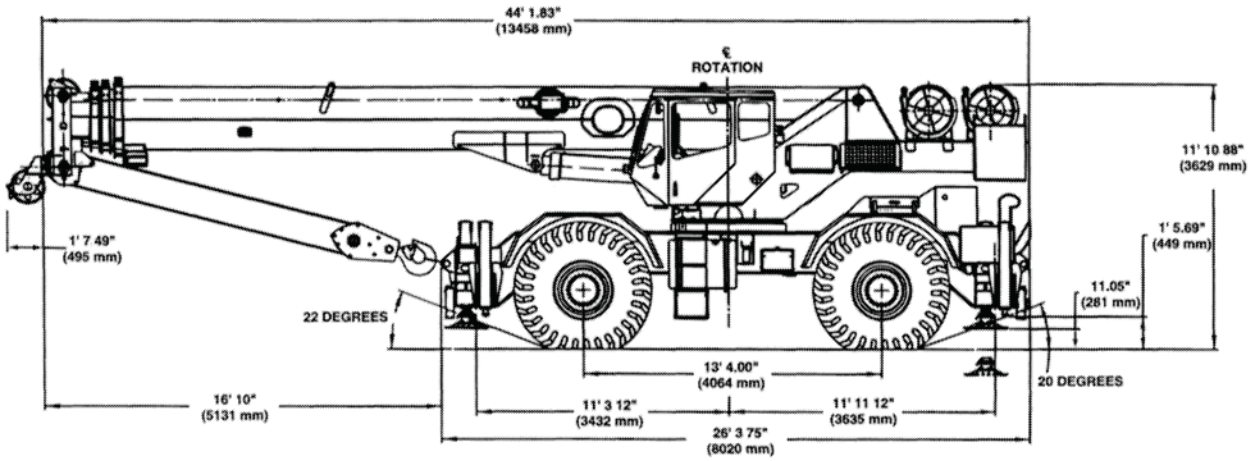
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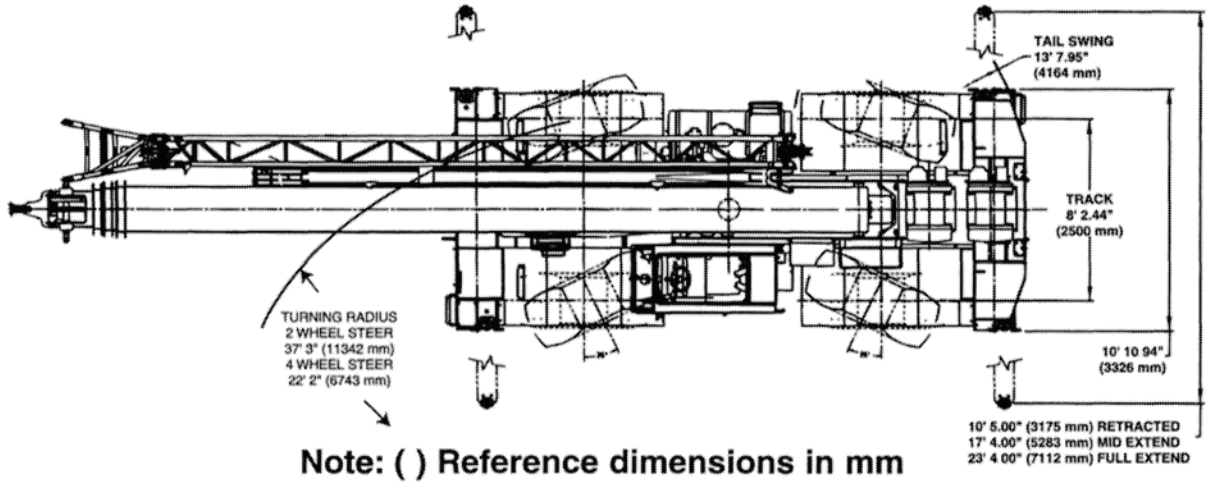
RT700E SERIES



ROUGH TERRAIN HYDRAULIC CRANE

Dimensions





Note: ( ) Reference dimensions in mm

Weights

	GVW		Front		Rear	
	lbs	kg	lbs	kg	lbs	kg
RT760E Basic Machine	83,683	37,959	40,130	18,203	43,553	19,756
ADD: 33 - 56 ft Bi-fold swingaway	2,340	1,061	3,686	1,672	-1,346	-611
ADD: 33 ft swingaway	1,640	744	2,880	1,306	-1,240	-562
ADD: Aux Hoist w/rope	625	284	-230	-104	855	388
ADD: Aux boom nose	130	59	374	170	-244	-111
ADD: 60 ton (55mt) 5-sheave block (stowed in trough)	1,250	567	1,250	567	0	0
ADD: 50 ton (45mt) 3-sheave block (stowed in trough)	1,000	454	1,000	454	0	0
ADD: 8.3 ton (7.5mt) headache ball (hanging from aux nose)	347	157	565	256	-218	-99
Remove: counterweight	-12,150	-5,511	4,784	2,170	-16,934	-7,681

Superstructure Specifications

Boom
36 ft. - 110 ft. (11 m - 33.5 m) four-section, full-power sequenced synchronized boom.
Maximum tip height: 119 ft. (36.4 m).

*Optional Fixed Swingaway Extension
33 ft. (10.1 m) offsettable lattice swingaway extension. Offsettable at 0°, 25° and 45°. Stows alongside base boom section. Maximum tip height: 150 ft. (45.8 m).

*Optional Bi-Fold Swingaway Extension
33 ft. - 56 ft. (10.1 m - 17.1 m) bi-fold lattice swingaway extension. Offsettable at 0°, 25° and 45°. Stows alongside base boom section. Maximum tip height: 174.5 ft. (53.2 m).

*Optional 20 ft. (6.1 m) or 40 ft. (12.2 m)
Installs between boom nose and bi-fold extension, non-stowable. Maximum tip height: 194 ft. (59.1 m)-20 ft. insert, 214 ft. (65.2 m)-40 ft. insert.

Boom Nose
Three nylatron sheaves (four with 60-ton rating) mounted on heavy-duty tapered roller bearings with removable pin-type rope guards. (Four and five sheaves respectively with optional 18 x 19 wire rope.)
Quick-reeve type boom nose.
*Optional removable auxiliary boom nose with removable pin type rope guard.

Boom Elevation
One double-acting hydraulic cylinder with integral holding valve provides elevation from -3° to 78°.

Load Moment & Anti-Two Block System
Standard “Graphic Display” 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, load indication and warning of impending two-block condition. The standard Work Area Definition System allows the operator to pre-select and define safe working areas. If the crane approaches the pre-set limits, audio-visual warnings aid the operator in avoiding job-site obstructions.

Cab
Full-vision, all-steel fabricated with acoustical lining and tinted safety glass throughout. Deluxe seat incorporates armrest-mounted hydraulic single-axis controllers. Dash panel incorporates gauges for all engine functions. Other standard features include: hot water heater, cab circulating air fan, sliding side and rear windows, sliding skylight with electric wiper and sunscreen, electric windshield wash/wipe, fire extinguisher and seat belt.

Swing
Planetary swing with foot-applied multi-disc brake. Spring applied, hydraulically-released swing brake and plunger-type, one position, mechanical house lock operated from cab. *Optional 360° mechanical swing lock. Maximum speed: 2.5 RPM.

Counterweight
12,150 lbs. (5511 kg) pinned to superstructure.

Hydraulic System
Three main gear pumps with a combined capacity of 103 GPM (391 L/min), 135 GPM (511 L/min) with optional air conditioning.
Maximum operating pressure: 4000 psi (27.6 MPa).
Two individual post pressure compensated valve banks.

Return line type filter with full flow by-pass protection and service indicator. Replaceable cartridge with micron filtration rating of 5/12/16. 132 gallon (500 L) reservoir. Integral oil cooler. System pressure test ports.

Hoist Specifications
Main and Auxiliary Hoist: Grove Model HO30G-16G
Planetary reduction with automatic spring applied multi-disc brake. Grooved drum. Electronic hoist drum rotation indicator and hoist drum cable followers.

Maximum Single Line Pull:	18,180 lbs (8 246 kg)
Maximum Single Line Speed:	588 FPM (179 m/min)

Maximum Permissible Line Pull:
16,800 lbs. (7 620 kg) w/standard 6 x 37 class rope
12,920 lbs. (5 879 kg) w/optional 18 x 19 class rope

Rope Diameter:	3/4 in. (19 mm)
Rope Length:	500 ft. (152 m)

*Optional 550 ft. (168 m) 18 x 19 class rope

Rope Type:
6 x 37 class EIPS IWRC
*Optional 18 x 19 class rotation resistant

Maximum Rope Stowage:	694 ft. (211 m)

Optional H030G-26G Main Hoist

Rope:	650' (198 m) 6 x 37 class rope
Stowage:	1193 ft. (355 m)

Carrier Specifications

Chassis
Box section frame 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 settings, 100%, 50% and fully retracted. All steel fabricated, quick-release type round outrigger floats, 24 in. (610 mm) diameter. Maximum outrigger pad load: 80,700 lbs (36,606 kg).

Outrigger Controls
Controls and crane level indicator located in cab.

Engine
Cummins 6CT 8.3L diesel, six cylinders, turbocharged, 215 bhp (160 kW) (Gross) @ 2,500 rpm. Maximum torque: 610 ft. lbs. (827 N-m) @ 1,500 RPM.

Fuel Tank Capacity
72 gallons (273 L)

Transmission
Full powershift with 6 forward and 6 reverse speeds (3 speeds hi and 3 speeds low). Front axle disconnect for 4 x 2 travel.

Electrical System
Two 12-volt maintenance free batteries. 12-volt starting and lighting, circuit breakers.

Drive
4 x 4

Steering
Fully independent power steering:
Front: Full hydraulic, steering wheel controlled.
Rear: Full hydraulic, switch controlled.
Provides infinite variations of 4 main steering modes: front only, rear only, crab and coordinated.
Rear steer centered indicating light.
4 wheel turning radius - 22 ft. 2 in. (6.7 m).

Axles
Front: Drive/steer with differential and planetary reduction hubs rigid-mounted to frame.
Rear: Drive/steer with differential and planetary reduction hubs pivot-mounted to frame.

Oscillation Lockouts
Automatic full hydraulic lockouts on rear axle permit 8" (20.3 cm) oscillation only with boom centered over the front.

Brakes
Full hydraulic split circuit brakes operating on all wheels. Spring-applied, hydraulically released axle-mounted parking brake.

Tires
29.5 x 25 - 28PR bias earthmover type.
*29.5R25 radial earthmover type.

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

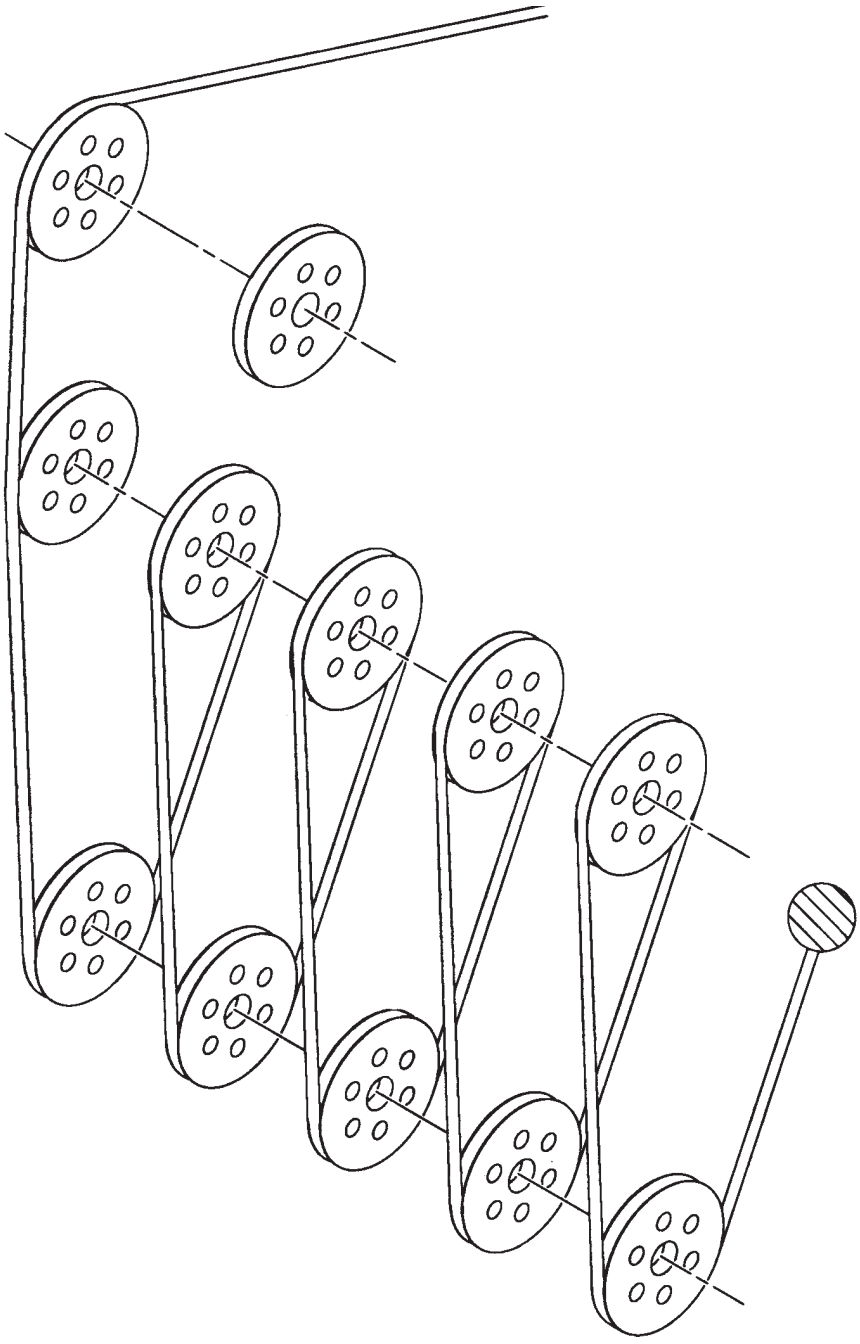
Maximum Speed
23 MPH (37 km/h).

Gradeability (Theoretical)
75% (Based on 89,000 lbs. [40 370 kg] GVW) 29.5 x 25 tires, pumps engaged, 110 ft. (33.6 m) boom, and bi-fold extension.

Miscellaneous Standard Equipment
Full width steel fenders, dual rear view mirrors, hookblock tiedown, electronic back-up alarm, light package, front stowage well, tachometer, rear wheel position indicator, 36,000 BTU hot water heater, hoist mirrors, engine distress A/V warning system. Auxiliary hoist control valve arrangement (less hoist). Ether injection cold start aid (less canister) and immersion type engine block heater, 120V 1500 watt.

*Optional Equipment
*AUXILIARY HOIST PACKAGE (includes Model HO30G-16G auxiliary hoist with electronic hoist drum rotation indicator, hoist drum cable follower, 500 ft. (152 m) of 3/4 in.(19 mm) 18 X 19 class wire rope, auxiliary single sheave boom nose.)
*AIR CONDITIONING PACKAGE (includes hydraulic driven 28,500 BTU air conditioning)
*AUXILIARY LIGHTING PACKAGE (includes cab mounted, 360° rotation spotlight, cab mounted amber flashing light, and dual base boom mounted floodlights)
*CONVENIENCE PACKAGE (includes in cab LMI light bar)
*"CE" Mark Conformance (includes European boom, battery disconnect switch, 3rd wrap indicator, electric emergency auxiliary steering, dual axis joystick controllers)
*Cross axle differential locks (front and rear)
*Full-length aluminum decking
*Manual pump disconnect
*Pintle hook - rear
*360 degree NYC style positive swinglock
*Rubber mat for stowage trough
*PAT datalogger
*Aluminum fender protectors
*Battery disconnect switch

**Denotes optional equipment*



LINE PULLS AND REEVING INFORMATION

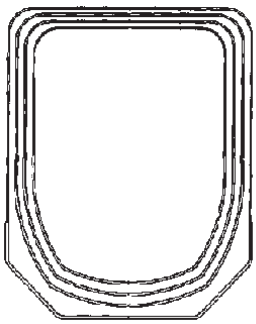
HOISTS	CABLE SPECS.	PERMISSIBLE LINE PULLS	NOMINAL CABLE LENGTH
Main & Aux.	3/4" (19 mm) 18x19 Class Rotation Resistant Min. Breaking Str. 64,600 lb.	12,920 lb.	550 ft.
Main	3/4" (19 mm) 6x37 Class, EIPS, IWRC Special Flexible Min. Breaking Str. 58,800 lb.	16,800 lb.	500 ft.

GROVE®

RT700E Features and Benefits



- 110 ft. (33.5 m) Four-section full power MEGAFORM™ boom with “quick reeve” boom nose



- Hot water heater cab with defroster, sliding skylight with sunscreen, armrest-mounted single axis controls & easy access circuit breakers for comfort



- Optional 33-56 ft. (10.1-17.1 m) bifold swingaway extension; Maximum tip height: 174.5 ft. (53.2 m); Maximum working radius: 150 ft. (45.7 m)



- Optional 20 ft. (6.1 m) or 40 ft. (12.2 m) swingaway extension insert; Maximum tip height: 20 ft.--194 ft. (59.1 m); 40 ft.--214 ft. (65.2 m)

- Optional aluminum decking & fenders for walking surface area



Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment, and price changes without notice. Illustrations shown may include optional equipment and accessories and may not include all standard equipment.

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ON OUTRIGGERS FULLY EXTENDED

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FOLDING EXTENSION 11

FOLDING EXTENSION + 20' INSERT 12

FOLDING EXTENSION + 40' INSERT 13

ON RUBBER 14-15

ON OUTRIGGERS 50% EXTENDED

MAIN BOOM 16

FOLDING EXTENSION 17

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FOLDING EXTENSION + 40' INSERT ..... N/A

ON OUTRIGGERS 0% EXTENDED

MAIN BOOM 19

TIRE INFLATION 20

NOTES FOR LIFTING CAPACITIES

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 and Safety Handbook, Service Manual, and Parts Manual 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 machine shall fully acquaint themselves with the latest American National Safety Standards (ASME/ANSI) for cranes.

SETUP:

1. The machine shall be level and 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, all outriggers shall be properly extended with tires raised free of crane weight before operating the boom or lifting loads.
3. When machine is equipped with center front stabilizer, the front stabilizer shall be set in accordance with instructions in Operator's & Safety Handbook.
4. When equipped with removable and/or extendible counterweight, the proper counterweight shall be installed and fully extended before and during 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.
7. Unless approved by the crane manufacturer, do not travel with boom extension or jib erected. Refer to Operator's and Safety Handbook for job-site travel information.

OPERATION:

1. Rated loads at rated radius shall not be exceeded. Do not attempt to tip the machine to determine allowable loads. For clamshell, grapple, magnet or concrete bucket operation, weight of component and load must not exceed 80% of rated lifting capacities.
2. All rated loads have been tested to and meet the requirements of SAE J1063 - Cantilevered Boom Crane Structures - Method of Test, and do not exceed 85% of the tipping load on outriggers fully extended. Capacities on outriggers 50% extended and 0% extended (fully retracted) correspond to SAE J1289 (Test Load = 1.25P + 0.1A). 0.1A represents one-tenth (0.10) of the total boom weight reduced to the boom point. Loads are also determined by SAE J765 Crane Stability Test Code.
3. Rated loads include the weight of hookblock, slings and auxiliary lifting devices and their weights shall be subtracted from the listed rating to obtain the net load to be lifted. When more than the minimum required parts of line needed to pick the load are used, the additional rope weight as measured from the lower sheaves of the the main boom nose shall be considered part of the load to be lifted. When both the hook block and headache ball are reeved, the lifting device that is NOT in use, including the line as measured from the lower sheave(s) of the nose supporting the unused device shall be considered part of the load.
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. The maximum in-service wind speed is 20 m.p.h. It is recommended when wind velocity is above 20 m.p.h., rated loads and boom lengths shall be appropriately reduced. For machines not in-service, the main boom should be retracted and lowered with swing brake set in wind velocities over 30 m.p.h.
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 of the boom within the limits of the capacity chart.
9. When the boom length or lift radius or both are between values listed, the smallest load shown at either the next larger radius or next longer or shorter 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, experience of personnel, two machine (tandem) lifts, traveling with loads, electric wires, obstacles, hazardous conditions, etc. Side pull on boom or jib is extremely dangerous.
11. If machine is equipped with individually controlled powered boom sections, the boom sections must be extended equally at all times.
12. Never handle personnel with this machine unless the requirements of the applicable national, state, and local regulations and safety codes are met.
13. Keep load handling devices a minimum of 42 inches below boom head at all times.
14. The boom angle before loading should be greater than the loaded boom angle 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 36 ft. 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. boom length.
17. When operating in the "On Outriggers 50% Extended (17' 4" spread)" mode, the outrigger beam pins must be engaged. When operating in the "On Outriggers 0% Extended (10' 5" spread)" mode, the outrigger beams must be fully retracted. Failure to follow these precautions could result in structural damage or loss of stability of the machine.
18. Regardless of counterweight and outrigger spread configuration, no deduct is required from the main boom charts for a stowed boom extension.
19. Do not lift loads when boom is fully lowered. The Load Moment Indicator (LMI) senses pressure and will not provide warnings or lockout. The crane can become overloaded if lift cylinder(s) is fully retracted.
20. **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.
21. The maximum outrigger pad load is 80,800 lb.

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 with the rated boom length.
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.

WEIGHT REDUCTIONS FOR LOAD HANDLING DEVICES

33 FT. - 56 FT. FOLDING BOOM EXTENSION	
*33 ft. Extension (Erected) -	5,080 lb.
*56 ft. Extension (Erected) -	11,330 lb.
FOLDING EXT. WITH 20 FT. INSERT	
*33 ft. Extension (Erected) -	11,248 lb.
*56 ft. Extension (Erected) -	19,372 lb.
FOLDING EXT. WITH 40 FT. INSERT	
*33 ft. Extension (Erected) -	19,671 lb.
*56 ft. Extension (Erected) -	29,671 lb.

*Reduction of main boom capacities

(no deduct required for stowed boom extension)

AUXILIARY BOOM NOSE	137 lb.
HOOKBLOCKS and HEADACHE BALLS:	
60 Ton, 5 Sheave	1250 lb.+
50 Ton, 4 Sheave	1000 lb.+
50 Ton, 3 Sheave	1000 lb.+
8.3 Ton Headache Ball (non-swivel)	350 lb.+
8.3 Ton Headache Ball (swivel)	370 lb.+

+Refer to rating plate for actual weight.

When lifting over boom extension, deduct total weight of all load handling devices reeved over main boom nose directly from boom extension capacity.

NOTE: All load handling devices and boom attachments are considered part of the load and suitable allowances MUST BE MADE for their combined weights. Weights are for Grove furnished equipment.

RIGGING CHART INSTALLATION AND REMOVAL OF 13,000 LB. COUNTERWEIGHT

ON OUTRIGGERS FULLY EXTENDED - 360°

Radius in Feet	#0801 Main Boom Length in Feet	
	*36	40
10	19,000 (69)	19,000 (72)
12	19,000 (65.5)	19,000 (68.5)
15	19,000 (59.5)	19,000 (63.5)
20	19,000 (49)	19,000 (55)
25	19,000 (36)	19,000 (45)
30		19,000 (31.5)

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

Boom Angle	Main Boom Length in Feet	
	*36	40
0°	19,000 (29.8)	19,000 (34.2)

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NOTE: ( ) Reference radii in feet.
*Boom must be fully retracted.

HOIST PERFORMANCE

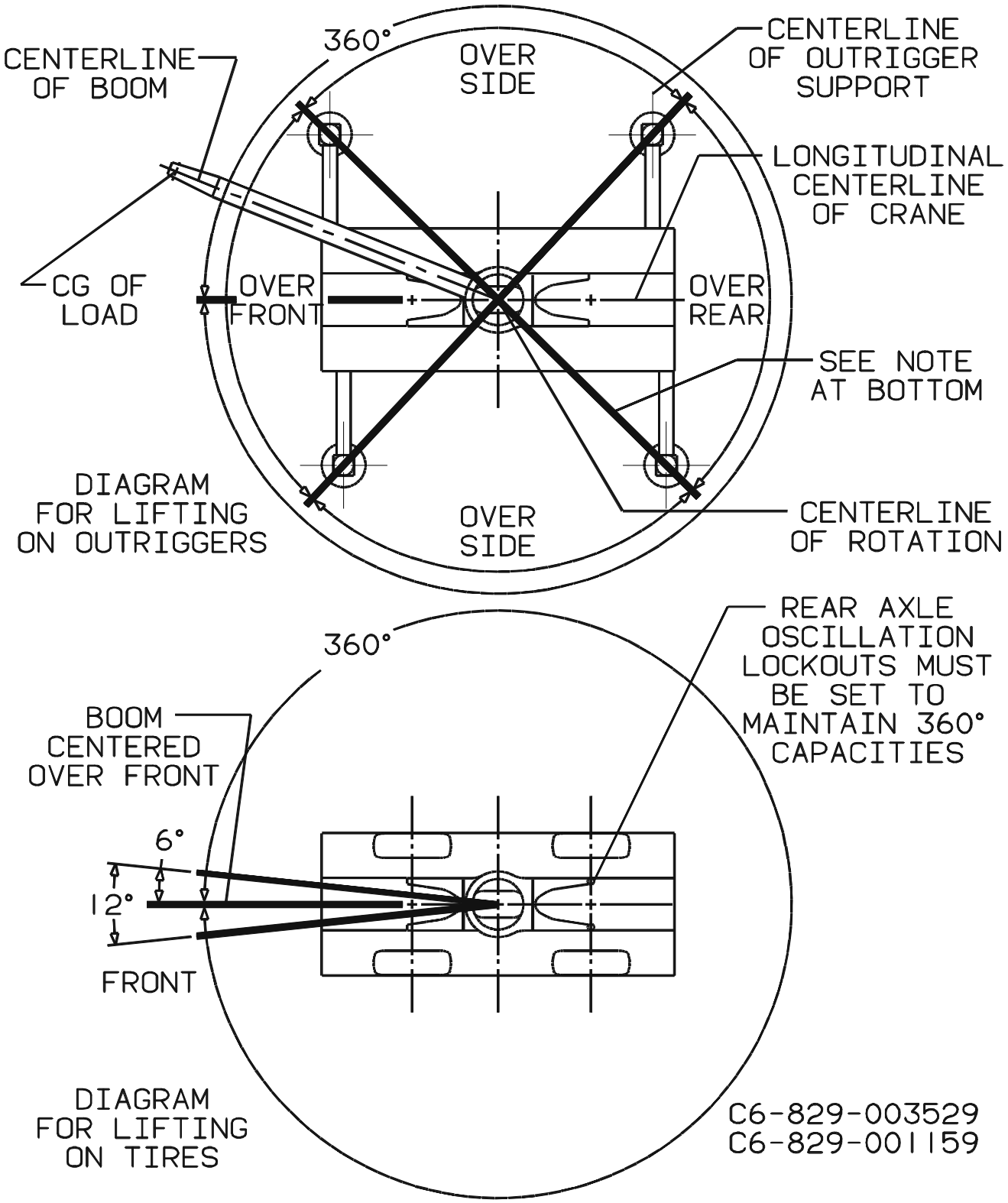
Wire Rope Layer	Hoist Line Pulls Two Speed Hoist		Drum Rope Capacity (ft.)	
	Low	High	Layer	Total
	Available lb.*	Available lb.*		
1	18,134	9,067	101	101
2	16,668	8,334	110	211
3	15,420	7,710	120	331
4	14,347	7,174	129	460
5	13,413	6,707	139	599
6	12,594	6,297	149	748

*Max. lifting capacity: 6x37 and 35x7 class = 16,800 lb.

LINE PULLS AND REEVING INFORMATION

HOISTS	CABLE SPECS.	PERMISSIBLE LINE PULLS	NOMINAL CABLE LENGTH
Main	3/4" (19 mm) 6x37 Class EIPS, IWRC Special Flexible Min. Breaking Str. 58,800 lb.	16,800 lb.	500 ft.
Main & Aux.	3/4" (19 mm) 35x7 Class Rotation Resistant (non-rotating) Min. Breaking Strength 85,800 lb.	16,800 lb.	500 ft.

The approximate weight of 3/4" wire rope is 1.5 lb./ft.

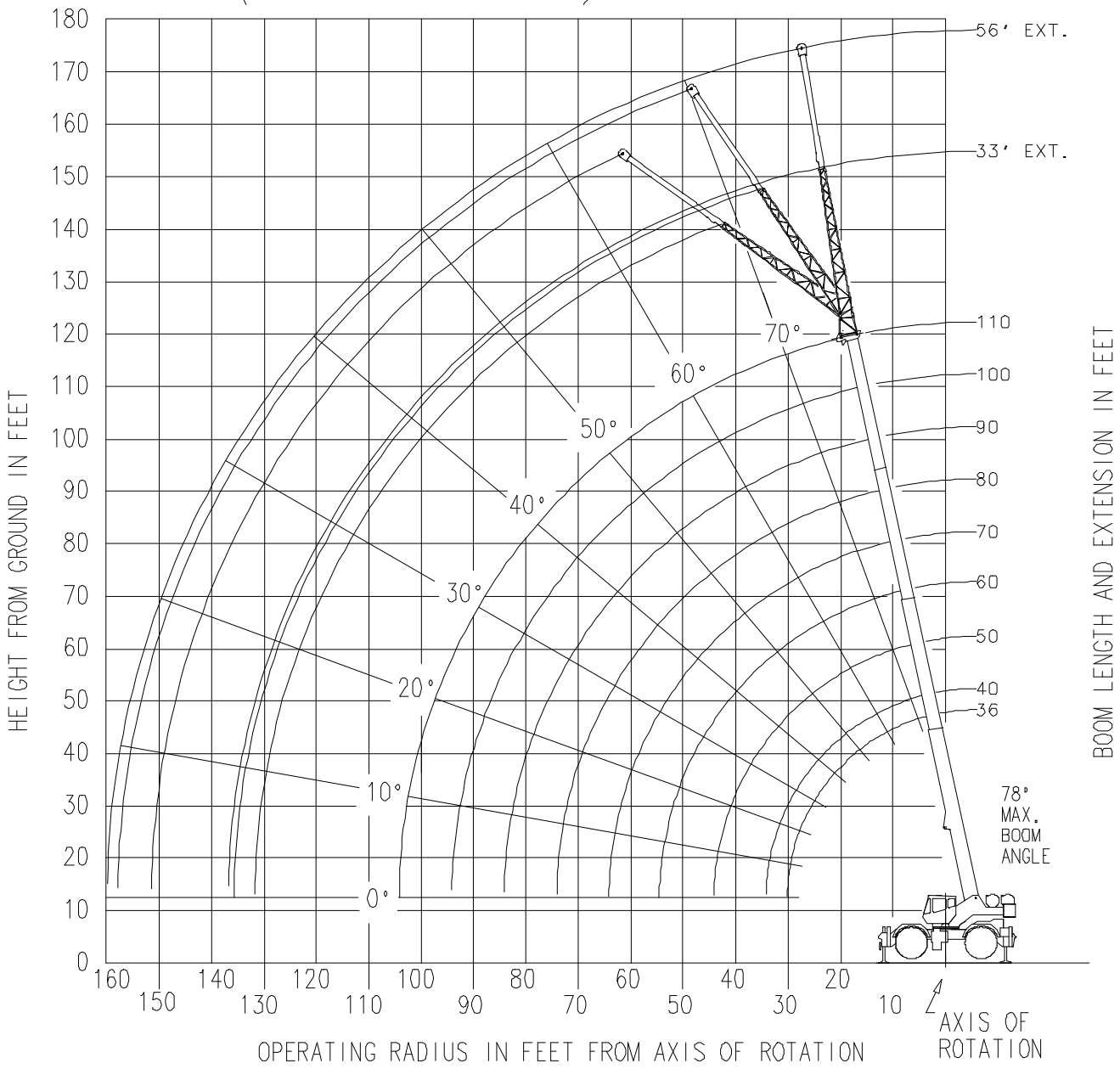


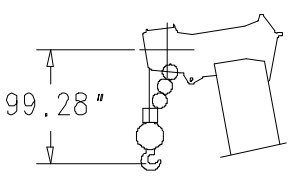
BOLD LINES DETERMINE THE LIMITING POSITION OF ANY LOAD FOR OPERATION WITHIN WORKING AREAS INDICATED

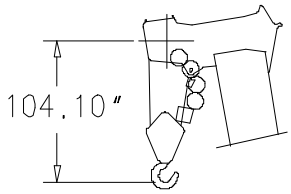
WORKING AREA DIAGRAM

WORKING RANGE DIAGRAM

(BOOM DEFLECTION NOT SHOWN) D6-829-101026



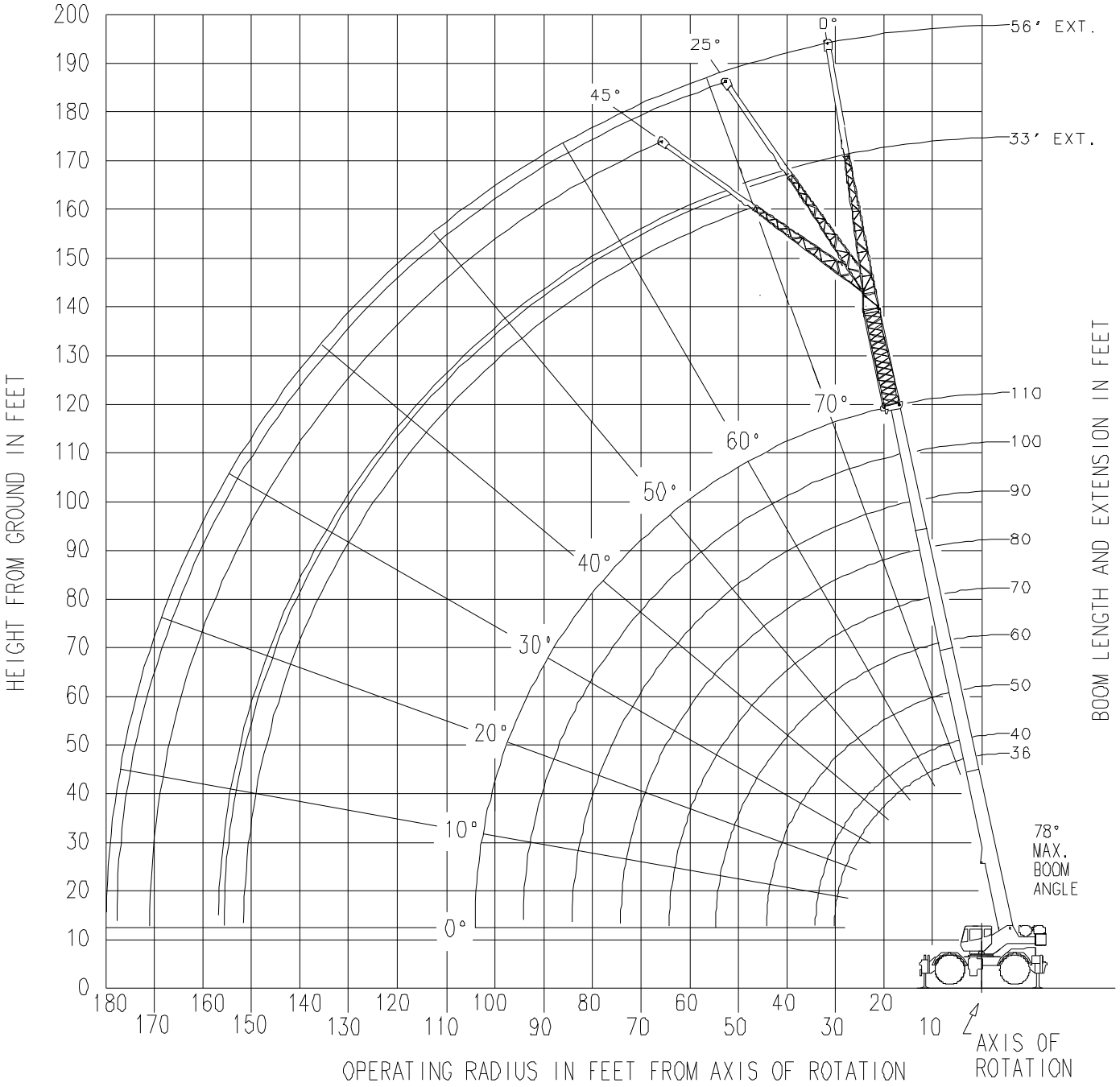


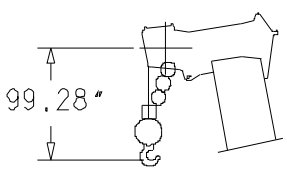


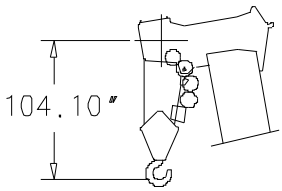
DIMENSIONS ARE FOR LARGEST GROVE FURNISHED HOOK BLOCK AND HEADACHE BALL, WITH ANTI-TWO BLOCK ACTIVATED.

WORKING RANGE DIAGRAM

(BOOM DEFLECTION NOT SHOWN) D6-829-101670

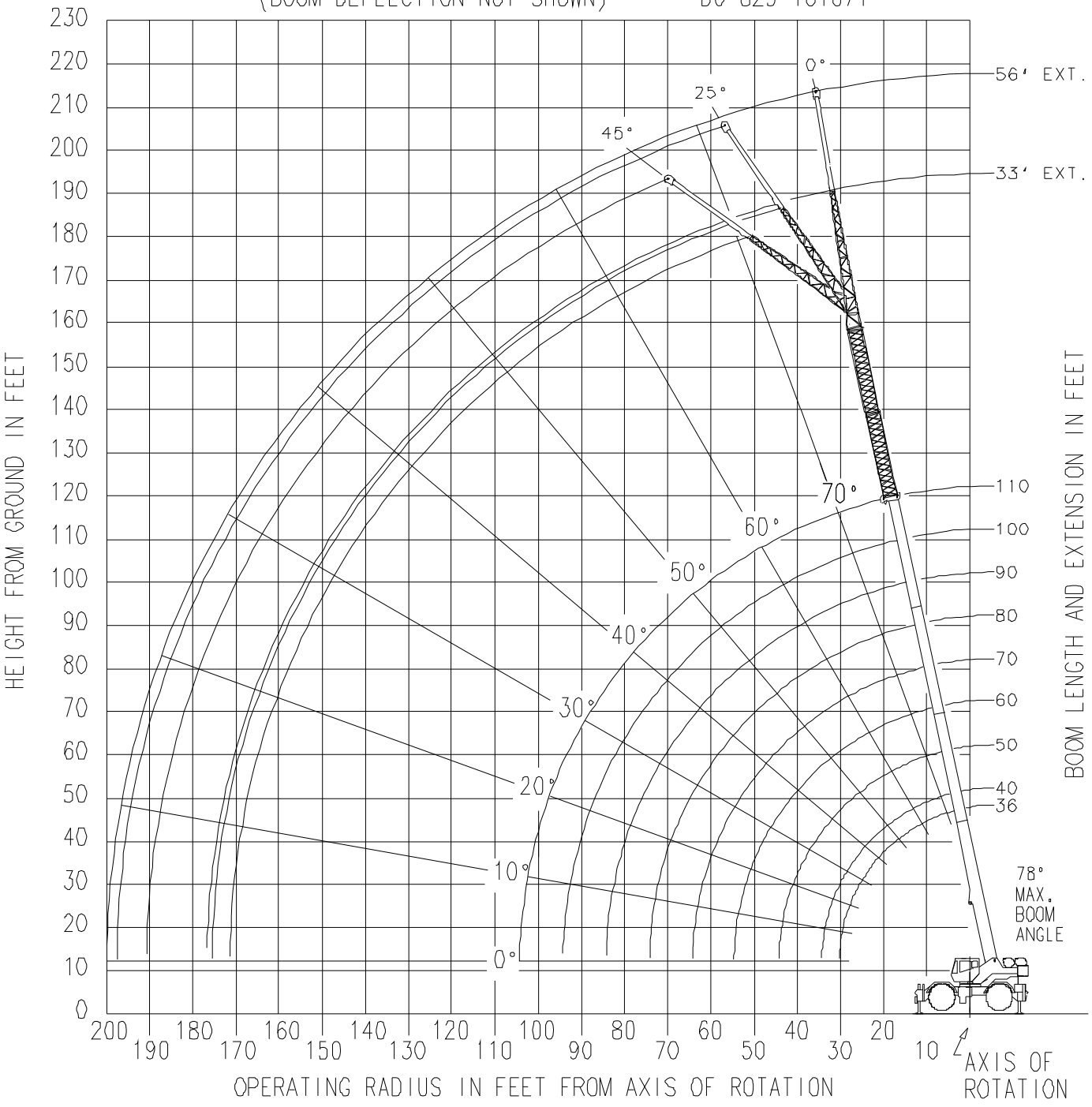


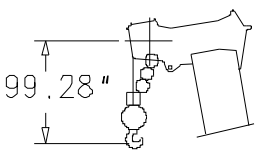


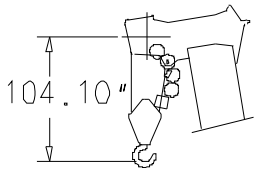


DIMENSIONS ARE FOR LARGEST GROVE FURNISHED HOOK BLOCK AND HEADACHE BALL, WITH ANTI-TWO BLOCK ACTIVATED.

WORKING RANGE DIAGRAM
(BOOM DEFLECTION NOT SHOWN) D6-829-101671







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

RATED LIFTING CAPACITIES IN POUNDS WITH COUNTERWEIGHT
36 FT. - 110 FT. BOOM

ON OUTRIGGERS FULLY EXTENDED - 360°

Radius in Feet	#0001								
	Main Boom Length in Feet								
	36	40	50	**60	70	80	90	100	110
10	120,000 (69)	84,400 (72)	80,200 (76)	*62,500 (78)					
12	100,000 (65.5)	84,400 (68.5)	80,200 (73.5)	62,500 (77)	*36,800 (78)				
15	85,400 (59.5)	82,700 (63.5)	80,200 (70)	61,000 (74)	36,800 (76.5)	*36,800 (78)	*31,000 (78)		
20	65,700 (49)	65,000 (55)	64,300 (63.5)	50,650 (69)	36,800 (72)	36,800 (75)	31,000 (77)	*29,100 (78)	*24,000 (78)
25	52,800 (36)	52,450 (45)	51,850 (56.5)	41,800 (63.5)	36,800 (68)	34,000 (71)	30,000 (73.5)	27,000 (76)	24,000 (77.5)
30		42,150 (31.5)	39,600 (48.5)	38,000 (57.5)	33,400 (63)	29,000 (67)	25,300 (70.5)	24,200 (72.5)	22,000 (75)
35			31,750 (40)	29,750 (51.5)	28,700 (58)	25,000 (63)	22,200 (67)	21,750 (69.5)	20,000 (72)
40			24,450 (28)	24,750 (45)	23,600 (53)	22,000 (59)	20,200 (63)	19,000 (66.5)	18,500 (69)
45	See Note 16			19,750 (37)	19,700 (47.5)	18,800 (54.5)	17,800 (59.5)	17,300 (63)	17,300 (66.5)
50				16,000 (26.5)	16,750 (41)	16,500 (49.5)	16,000 (55.5)	16,000 (60)	16,000 (63.5)
55					13,650 (33.5)	14,300 (44.5)	14,100 (51)	14,100 (56.5)	14,100 (60)
60					11,150 (24)	12,000 (38.5)	12,200 (47)	12,200 (52.5)	12,200 (57)
65						10,100 (31.5)	10,800 (42)	10,600 (48.5)	10,600 (53.5)
70						8,480 (22.5)	9,410 (36.5)	9,000 (44.5)	9,000 (50)
75							8,100 (30)	7,800 (40)	7,800 (46.5)
80							6,920 (21.5)	6,600 (34.5)	6,600 (42.5)
85								5,800 (28.5)	5,800 (38)
90								5,000 (20.5)	5,000 (33)
95									4,440 (27.5)
100									3,880 (19.5)
Minimum boom angle (°) for indicated length (no load)									0
Maximum boom length (ft.) at 0° boom angle (no load)									110

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								
	36	40	50	**60	70	80	90	100	110
0°	29,050 (29.8)	24,450 (34.2)	17,050 (44.2)	11,950 (54.6)	9,400 (64.2)	7,310 (74.2)	6,050 (84.2)	4,660 (94.2)	3,350 (104.2)

NOTE: ( ) Reference radii in feet. A6-829-101070
** Boom length is with inner-mid fully extended and outer-mid & fly fully retracted.

33 FT. - 56 FT. FOLDING BOOM EXTENSION WITH COUNTERWEIGHT ON OUTRIGGERS FULLY EXTENDED - 360°

Radius in Feet	33 ft. LENGTH			56 ft. LENGTH		
	0° OFFSET	25° OFFSET	45° OFFSET	0° OFFSET	25° OFFSET	45° OFFSET
	#0021	**#0022**	**#0023**	**#0041**	**#0042**	**#0043**
30	12,900 (78)					
35	12,900 (76)			*8,330 (78)		
40	12,900 (74)	*10,850 (78)		8,330 (77.5)		
45	12,900 (72)	10,450 (77)	*7,410 (78)	8,330 (76)		
50	12,100 (70)	10,000 (74.5)	7,200 (77.5)	8,330 (74.5)		
55	11,100 (68)	9,220 (72.5)	6,990 (75)	8,250 (73)	*5,300 (78)	
60	10,100 (66)	8,550 (70.5)	6,800 (72.5)	7,540 (71)	5,140 (77)	
65	9,130 (63.5)	7,930 (68)	6,650 (70.5)	7,160 (69)	5,100 (75)	*3,860 (78)
70	8,460 (61.5)	7,380 (65.5)	6,490 (68)	6,820 (67.5)	5,100 (73)	3,790 (77.5)
75	7,840 (59)	6,900 (63)	6,370 (65.5)	6,300 (65.5)	4,800 (71)	3,660 (75)
80	7,230 (56.5)	6,470 (60.5)	6,110 (62.5)	5,810 (63.5)	4,580 (69)	3,550 (73)
85	6,690 (54)	6,070 (58)	5,780 (60)	5,370 (61.5)	4,470 (67.5)	3,450 (71)
90	6,140 (51)	5,720 (55.5)	5,480 (57)	4,980 (59.5)	4,330 (65.5)	3,410 (68.5)
95	5,670 (48.5)	5,400 (52.5)	5,200 (54)	4,630 (57)	4,070 (63)	3,300 (66.5)
100	5,020 (45.5)	5,100 (49.5)	4,950 (51)	4,320 (55)	3,830 (61)	3,260 (64)
105	4,350 (42.5)	4,760 (46.5)	4,650 (47.5)	4,040 (52.5)	3,620 (58.5)	3,220 (62)
110	3,750 (39.5)	4,160 (43)		3,770 (50.5)	3,410 (56)	3,180 (59.5)
115	3,210 (36)	3,600 (39.5)		3,540 (48)	3,230 (53.5)	3,060 (56.5)
120	2,720 (32)	3,100 (35)		3,300 (45.5)	3,050 (51)	2,940 (53.5)
125	2,270 (27.5)	2,640 (30.5)		2,870 (42.5)	2,890 (48.5)	2,800 (50.5)
130	1,860 (22)			2,470 (39.5)	2,730 (45.5)	
135				2,110 (36.5)	2,590 (42.5)	
140				1,770 (33)	2,250 (38.5)	
145				1,460 (29.5)	1,880 (34.5)	
150				1,170 (25)		
Minimum boom angle (°) for indicated length (no load)	21	25	45	25	28	45
Maximum boom length (ft.) at 0° boom angle (no load)	100			90		

NOTE: ( ) Boom angles are in degrees. A6-829-101289

#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 J765.
2. 33 ft. and 56 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.

33 FT. - 56 FT. FOLDING BOOM EXTENSION + 20 FT. INSERT WITH CWT

ON OUTRIGGERS FULLY EXTENDED - 360°

Radius in Feet	33 ft. LENGTH			56 ft. LENGTH		
	0° OFFSET	25° OFFSET	45° OFFSET	0° OFFSET	25° OFFSET	45° OFFSET
	#0064	**#0065**	**#0066**	**#0084**	**#0085**	**#0086**
35	*9,360 (78)					
40	9,360 (77)			*6,300 (78)		
45	8,480 (75.5)	*7,480 (78)		6,300 (77.5)		
50	7,680 (73.5)	7,070 (77.5)	*5,880 (78)	6,000 (76.5)		
55	6,990 (71.5)	6,470 (76)	5,880 (77.5)	5,990 (75)		
60	6,390 (70)	5,970 (74)	5,480 (76.5)	5,980 (73.5)	*4,840 (78)	
65	5,890 (68)	5,570 (72)	5,080 (74.5)	5,510 (72)	4,840 (77.5)	
70	5,390 (66)	5,070 (70)	4,780 (72.5)	5,010 (70)	4,440 (76.5)	
75	4,990 (64)	4,770 (68)	4,480 (70.5)	4,560 (68.5)	4,050 (74.5)	*3,760 (78)
80	4,650 (62)	4,400 (66)	4,190 (68.5)	4,170 (67)	3,870 (73)	3,460 (76.5)
85	4,300 (60)	4,150 (64)	3,890 (66)	3,820 (65)	3,570 (71)	3,260 (74.5)
90	4,000 (58)	3,850 (62)	3,690 (64)	3,520 (63.5)	3,320 (69.5)	2,960 (73)
95	3,760 (55.5)	3,650 (59.5)	3,500 (61.5)	3,220 (61.5)	3,070 (67.5)	2,770 (71)
100	3,510 (53.5)	3,410 (57.5)	3,300 (59.5)	2,980 (60)	2,880 (66)	2,570 (69)
105	3,260 (51)	3,210 (55)	3,100 (57)	2,780 (58)	2,680 (64)	2,460 (67)
110	3,070 (48.5)	3,020 (52.5)	2,930 (54.5)	2,530 (56)	2,480 (62)	2,340 (65)
115	2,870 (46)	2,870 (50)	2,780 (51.5)	2,340 (54)	2,280 (60)	2,200 (63)
120	2,730 (43.5)	2,730 (47)		2,190 (52)	2,140 (58)	2,050 (60.5)
125	2,530 (40.5)	2,580 (44)		2,000 (50)	1,990 (55.5)	1,910 (58.5)
130	2,210 (37.5)	2,440 (41)		1,850 (48)	1,850 (53.5)	1,810 (56)
135	1,850 (34.5)	2,150 (37.5)		1,720 (45.5)	1,750 (51)	1,670 (53.5)
140	1,510 (30.5)	1,750 (34)		1,610 (43)	1,610 (48.5)	
145	1,200 (26.5)				1,520 (46)	
150					1,370 (43)	
Minimum boom angle (°) for indicated length (no load)	20	25	45	40	41	45
Maximum boom length (ft.) at 0° boom angle (no load)	90			70		

NOTE: ( ) Boom angles are in degrees.

A6-829-101371A

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

*This capacity is based upon maximum boom angle.

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. 33 ft. and 56 ft. folding boom extension lengths may be used for single line lifting service only.
3. For main boom lengths less than 110 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.

33 FT. - 56 FT. FOLDING BOOM EXTENSION + 40 FT. INSERT WITH CWT
ON OUTRIGGERS FULLY EXTENDED - 360°

Radius in Feet	33 ft. LENGTH			56 ft. LENGTH		
	#0064	**#0065**	**#0066**	**#0084**	**#0085**	**#0086**
	0° OFFSET	25° OFFSET	45° OFFSET	0° OFFSET	25° OFFSET	45° OFFSET
45	6,560 (78)					
50	5,960 (76)			4,510 (78)		
55	5,360 (74.5)	5,860 (78)		4,210 (77.5)		
60	4,860 (73)	5,260 (76.5)	*5,170 (78)	3,910 (76)		
65	4,370 (71)	4,870 (75)	4,670 (77.5)	3,710 (74.5)		
70	3,970 (69.5)	4,370 (73)	4,270 (75.5)	3,410 (73)	*3,710 (78)	
75	3,670 (67.5)	4,070 (71.5)	3,980 (73.5)	3,220 (71.5)	3,420 (77.5)	
80	3,270 (66)	3,670 (69.5)	3,680 (72)	2,820 (70)	3,120 (76)	
85	2,980 (64)	3,370 (68)	3,380 (70)	2,520 (68.5)	2,820 (74.5)	2,730 (77.5)
90	2,780 (62.5)	3,080 (66)	3,080 (68)	2,320 (66.5)	2,620 (72.5)	2,530 (76)
95	2,480 (60.5)	2,880 (64)	2,890 (66)	2,030 (65)	2,330 (71)	2,340 (74.5)
100	2,290 (58.5)	2,580 (62)	2,690 (64)	1,830 (63.5)	2,130 (69.5)	2,140 (72.5)
105	2,090 (56.5)	2,390 (60)	2,390 (62)	1,630 (62)	1,930 (68)	1,940 (71)
110	1,900 (54.5)	2,190 (58)	2,200 (60)	1,440 (60)	1,730 (66)	1,740 (69)
115	1,700 (52.5)	2,000 (56)	2,100 (58)	1,240 (58.5)	1,540 (64.5)	1,550 (67)
120	1,600 (50.5)	1,800 (54)	1,910 (55.5)	1,140 (57)	1,340 (62.5)	1,450 (65)
125	1,410 (48)	1,700 (51.5)	1,710 (53)		1,240 (61)	1,260 (63.5)
130	1,310 (46)	1,510 (49.5)	1,520 (50.5)		1,050 (59)	1,160 (61.5)
135	1,120 (43.5)	1,420 (47)	1,420 (48)			
140	1,030 (41)	1,220 (44.5)				
145		1,130 (41.5)				
150		1,040 (38.5)				
No Load Stability Data						
Min. boom angle at 110' boom length	37°	37°	45°	54°	56°	58°
Max. boom length at 0° boom angle	70 ft.			40 ft.		

NOTE: ( ) Boom angles are in degrees. A6-829-101581

*This capacity is based upon maximum boom angle.

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

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. 33 ft. and 56 ft. folding boom extension lengths may be used for single line lifting service only.
3. For main boom lengths less than 110 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.

ON RUBBER CAPACITIES WITH COUNTERWEIGHT

STATIONARY CAPACITIES 360°

Radius in Feet	#9005				
	Main Boom Length in Feet				
	36	40	50	*60	70
10	45,300 (69)	39,700 (72)			
12	41,500 (65.5)	39,700 (68.5)	29,600 (73.5)		
15	28,250 (59.5)	26,450 (63.5)	26,450 (70)	20,900 (74)	
20	17,050 (49)	16,900 (55)	16,400 (63.5)	15,550 (69)	15,500 (72)
25	11,250 (36)	11,150 (45)	10,800 (56.5)	10,300 (63.5)	10,250 (68)
30		7,620 (31.5)	7,370 (48.5)	7,000 (57.5)	7,040 (63)
35			5,040 (40)	4,740 (51.5)	4,770 (58)
40			3,360 (28)	3,110 (45)	3,120 (53)
45				1,000 (37)	1,880 (47.5)

NOTE: ( ) Reference boom angles in degrees.

Lifting Capacities at Zero Degree Boom Angle On Rubber - Stationary 360					
Boom Angle	Main Boom Length in Feet				
	36	40	50		
0°	7,800 (29.7)	5,550 (34.2)	2,170 (44.2)		

Note: ( ) Reference radii in feet. A6-829-104109A

#LMI operating code. Refer to LMI manual for instructions.
*60 ft. boom length is with inner-mid extended and outer-mid & fly retracted.

STATIONARY CAPACITIES DEFINED ARC OVER FRONT (See Note 3)

Radius in Feet	#9005				
	Main Boom Length in Feet				
	36	40	50	*60	70
10	45,300 (69)	42,850 (72)	29,600 (76)		
12	43,650 (65.5)	41,350 (68.5)	29,600 (73.5)		
15	38,300 (59.5)	36,300 (63.5)	29,600 (70)	20,900 (74)	17,300 (76.5)
20	31,150 (49)	29,550 (55)	25,900 (63.5)	20,900 (69)	17,300 (72)
25	24,100 (36)	24,150 (45)	21,800 (56.5)	18,800 (63.5)	17,300 (68)
30		17,400 (31.5)	17,200 (48.5)	15,300 (57.5)	15,300 (63)
35			12,800 (40)	12,500 (51.5)	11,000 (58)
40			9,720 (28)	9,390 (45)	9,390 (53)
45				7,090 (37)	7,090 (47.5)
50				5,310 (26.5)	5,310 (41)
55					3,870 (33.5)
60					3,170 (24)

NOTE: ( ) Reference boom angles in degrees.

Lifting Capacities at Zero Degree Boom Angle On Rubber - Defined Arc Over Front					
Boom Angle	Main Boom Length in Feet				
	36	40	50	*60	70
0°	17,600 (29.7)	13,600 (34.2)	7,750 (44.2)	4,010 (54.6)	2,670 (64.2)

Note: ( ) Reference radii in feet. A6-829-101047

#LMI operating code. Refer to LMI manual for instructions.
*60 ft. boom length is with inner-mid extended and outer-mid & fly retracted.

	No Load Stability Data	60 ft. Main Boom	70 ft. Main Boom
Front (No Load)	Min. boom angle (deg.) for indicated length	-----	0
	Max. boom length (ft.) at 0 deg. boom angle	-----	70
360° (No Load)	Min. boom angle (deg.) for indicated length	32	37
	Max. boom length (ft.) at 0 deg. boom angle	50	50

ON RUBBER CAPACITIES WITH COUNTERWEIGHT (cont'd.)

PICK & CARRY CAPACITIES (UP TO 2.5 MPH) - BOOM CENTERED OVER FRONT (See note 7)

Radius in Feet	#9006				
	Main Boom Length in Feet				
	36	40	50	*60	70
10	42,500 (69)	37,600 (72)	30,700 (76)		
12	42,500 (65.5)	37,600 (68.5)	30,700 (73.5)	23,450 (77)	
15	37,600 (59.5)	37,600 (63.5)	30,700 (70)	19,700 (74)	16,250 (76.5)
20	32,950 (49)	32,900 (55)	30,700 (63.5)	19,700 (69)	16,250 (72)
25	24,100 (36)	24,150 (45)	23,850 (56.5)	19,700 (63.5)	16,250 (68)
30		17,400 (31.5)	17,200 (48.5)	16,800 (57.5)	16,250 (63)
35			12,800 (40)	12,500 (51.5)	12,500 (58)
40			9,720 (28)	9,390 (45)	9,390 (53)
45				7,090 (37)	7,090 (47.5)
50				5,310 (26.5)	5,310 (41)
55					3,870 (33.5)
60					3,090 (24)

NOTE: ( ) Reference boom angles in degrees.

Lifting Capacities at Zero Degree Boom Angle On Rubber - Pick & Carry					
Boom Angle	Main Boom Length in Feet				
	36	40	50	*60	70
0°	17,600 (29.7)	13,600 (34.2)	7,750 (44.2)	4,010 (54.6)	2,670 (64.2)

Note: ( ) Reference radii in feet. A6-829-101049

#LMI operating code. Refer to LMI manual for instructions.
*60 ft. boom length is with inner-mid extended and outer-mid & fly retracted.

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 (28 or 34 ply) General, Denman Rock Plus and Denman Broadway bias ply tires at 65 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 extension 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.

RATED LIFTING CAPACITIES IN POUNDS WITH COUNTERWEIGHT
36 FT. - 110 FT. BOOM

ON OUTRIGGERS 50% EXTENDED (17' 4" SPREAD) - 360°

Radius in Feet	#4001								
	Main Boom Length in Feet								
	36	40	50	**60	70	80	90	100	110
10	109,000 (69)	84,400 (72)	80,200 (76)	*62,500 (78)					
12	96,750 (65.5)	84,400 (68.5)	80,200 (73.5)	52,500 (77)	*36,800 (78)				
15	82,150 (59.5)	81,850 (63.5)	80,200 (70)	52,500 (74)	36,800 (76.5)	*36,800 (78)	*31,000 (78)		
20	56,650 (49)	54,800 (55)	51,200 (63.5)	48,150 (69)	36,800 (72)	36,800 (75)	31,000 (77)	*29,100 (78)	*24,000 (78)
25	36,850 (36)	34,800 (45)	34,550 (56.5)	33,800 (63.5)	33,800 (68)	33,550 (71)	30,000 (73.5)	27,000 (76)	24,000 (77.5)
30		24,150 (31.5)	24,150 (48.5)	24,150 (57.5)	25,100 (63)	25,500 (67)	25,300 (70.5)	24,200 (72.5)	22,000 (75)
35			17,650 (40)	17,800 (51.5)	18,700 (58)	19,550 (63)	20,100 (67)	20,100 (69.5)	20,000 (72)
40	See Note 16		13,250 (28)	13,500 (45)	14,300 (53)	15,100 (59)	15,900 (63)	16,350 (66.5)	16,350 (69)
45				10,400 (37)	11,150 (47.5)	11,900 (54.5)	12,650 (59.5)	13,050 (63)	13,450 (66.5)
50				8,050 (26.5)	8,770 (41)	9,480 (49.5)	10,150 (55.5)	10,550 (60)	10,950 (63.5)
55					6,880 (33.5)	7,570 (44.5)	8,240 (51)	8,600 (56.5)	8,960 (60)
60					5,340 (24)	6,030 (38.5)	6,680 (47)	7,020 (52.5)	7,350 (57)
65						4,760 (31.5)	5,390 (42)	5,710 (48.5)	6,030 (53.5)
70						3,670 (22.5)	4,310 (36.5)	4,620 (44.5)	4,920 (50)
75							3,400 (30)	3,690 (40)	3,990 (46.5)
80							2,580 (21.5)	2,900 (34.5)	3,180 (42.5)
85								2,200 (28.5)	2,480 (38)
90								1,570 (20.5)	1,860 (33)
95									1,310 (27.5)
0.1A (lb.)	1,050	1,060	1,100	1,120	1,030	970	920	880	840
Minimum boom angle (°) for indicated length (no load)									0
Maximum boom length (ft.) at 0° boom angle (no load)									110

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 50% Extended - 360°									
Boom Angle	Main Boom Length in Feet								
	36	40	50	**60	70	80	90	100	
0°	26,350 (29.8)	18,250 (34.2)	10,400 (44.2)	6,260 (54.6)	4,230 (64.2)	2,870 (74.2)	1,970 (84.2)	1,090 (94.2)	

NOTE: ( ) Reference radii in feet. A6-829-101072B
** Boom length is with inner-mid fully extended and outer-mid & fly fully retracted.

33 FT. - 56 FT. FOLDING BOOM EXTENSION WITH COUNTERWEIGHT

ON OUTRIGGERS 50% EXTENDED (17' 4" SPREAD) - 360°

Radius in Feet	33 ft. LENGTH			56 ft. LENGTH		
	0° OFFSET	25° OFFSET	45° OFFSET	0° OFFSET	25° OFFSET	45° OFFSET
	#4021	**#4022**	**#4023**	**#4041**	**#4042**	**#4043**
30	12,900 (78)					
35	12,900 (76)			*8,330 (78)		
40	12,900 (74)	*10,850 (78)		8,330 (77.5)		
45	12,900 (72)	10,450 (77)	*7,410 (78)	8,330 (76)		
50	11,100 (70)	10,000 (74.5)	7,200 (77.5)	8,330 (74.5)		
55	9,430 (68)	9,220 (72.5)	6,990 (75)	8,250 (73)	*5,300 (78)	
60	8,010 (66)	8,550 (70.5)	6,800 (72.5)	7,540 (71)	5,140 (77)	
65	6,820 (63.5)	7,930 (68)	6,650 (70.5)	7,060 (69)	5,100 (75)	*3,860 (78)
70	5,800 (61.5)	6,770 (65.5)	6,490 (68)	6,060 (67.5)	5,100 (73)	3,790 (77.5)
75	4,920 (59)	5,700 (63)	6,080 (65.5)	5,200 (65.5)	4,800 (71)	3,660 (75)
80	4,140 (56.5)	4,770 (60.5)	5,140 (62.5)	4,440 (63.5)	4,580 (69)	3,550 (73)
85	3,460 (54)	3,970 (58)	4,320 (60)	3,770 (61.5)	4,470 (67.5)	3,450 (71)
90	2,780 (51)	3,260 (55.5)	3,600 (57)	3,180 (59.5)	4,330 (65.5)	3,410 (68.5)
95	2,180 (48.5)	2,640 (52.5)	2,970 (54)	2,650 (57)	3,770 (63)	3,300 (66.5)
100	1,640 (45.5)	2,080 (49.5)	2,400 (51)	2,140 (55)	3,190 (61)	3,260 (64)
105	1,160 (42.5)	1,590 (46.5)	1,890 (47.5)	1,670 (52.5)	2,670 (58.5)	3,220 (62)
110		1,140 (43)		1,260 (50.5)	2,190 (56)	2,630 (59.5)
115					1,730 (53.5)	2,090 (56.5)
120					1,300 (51)	1,610 (53.5)
125						1,160 (50.5)
0.1A (lb.)	810	750	710	770	710	650
Minimum boom angle (°) for indicated length (no load)	30	31	45	39	40	45
Maximum boom length (ft.) at 0° boom angle (no load)	90			80		

NOTE: ( ) Boom angles are in degrees.

A6-829-101290

#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.
2. 33 ft. and 56 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 properly extended and vertical jacks set only.

33 FT. - 56 FT. FOLDING BOOM EXTENSION + 20 FT. INSERT WITH CWT

ON OUTRIGGERS 50% EXTENDED (17' 4" SPREAD) - 360°

Radius in Feet	33 ft. LENGTH			56 ft. LENGTH		
	0° OFFSET	25° OFFSET	45° OFFSET	0° OFFSET	25° OFFSET	45° OFFSET
	#4064	**#4065**	**#4066**	**#4084**	**#4085**	**#4086**
35	*9,360 (78)					
40	9,360 (77)			*6,300 (78)		
45	8,480 (75.5)	*7,480 (78)		6,300 (77.5)		
50	7,680 (73.5)	7,070 (77.5)	*5,880 (78)	6,000 (76.5)		
55	6,990 (71.5)	6,470 (76)	5,880 (77.5)	5,990 (75)		
60	6,390 (70)	5,970 (74)	5,480 (76.5)	5,980 (73.5)	*4,840 (78)	
65	5,890 (68)	5,570 (72)	5,080 (74.5)	5,510 (72)	4,840 (77.5)	
70	5,390 (66)	5,070 (70)	4,780 (72.5)	5,010 (70)	4,440 (76.5)	
75	4,890 (64)	4,770 (68)	4,480 (70.5)	4,560 (68.5)	4,050 (74.5)	*3,760 (78)
80	4,130 (62)	4,400 (66)	4,190 (68.5)	4,170 (67)	3,870 (73)	3,460 (76.5)
85	3,460 (60)	4,150 (64)	3,890 (66)	3,630 (65)	3,570 (71)	3,260 (74.5)
90	2,860 (58)	3,580 (62)	3,660 (64)	3,040 (63.5)	3,320 (69.5)	2,960 (73)
95	2,330 (55.5)	2,980 (59.5)	3,330 (61.5)	2,520 (61.5)	3,070 (67.5)	2,770 (71)
100	1,850 (53.5)	2,430 (57.5)	2,750 (59.5)	2,040 (60)	2,880 (66)	2,570 (69)
105	1,420 (51)	1,930 (55)	2,220 (57)	1,620 (58)	2,630 (64)	2,460 (67)
110	1,030 (48.5)	1,480 (52.5)	1,740 (54.5)	1,230 (56)	2,160 (62)	2,340 (65)
115		1,070 (50)	1,290 (51.5)		1,740 (60)	2,200 (63)
120					1,340 (58)	1,780 (60.5)
125						1,360 (58.5)
0.1A (lb.)	800	750	710	780	720	670
Minimum boom angle (°) for indicated length (no load)	46	47	48	50	52	53
Maximum boom length (ft.) at 0° boom angle (no load)	60			40		

NOTE: ( ) Boom angles are in degrees.

A6-829-101372A

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

1. All capacities above the bold line are based on structural strength of boom extension.
2. 33 ft. and 56 ft. folding boom extension lengths may be used for single line lifting service only.
3. For main boom lengths less than 110 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.

RATED LIFTING CAPACITIES IN POUNDS WITH COUNTERWEIGHT
36 FT. - 110 FT. BOOM

ON OUTRIGGERS 0% EXTENDED (10' 5" SPREAD) - 360°

Radius in Feet	#8001								
	Main Boom Length in Feet								
	36	40	50	**60	70	80	90	100	110
10	82,500 (69)	78,750 (72)	71,650 (76)	*62,500 (78)					
12	62,700 (65.5)	60,200 (68.5)	55,350 (73.5)	51,250 (77)	*36,800 (78)				
15	44,950 (59.5)	43,500 (63.5)	40,300 (70)	37,600 (74)	36,800 (76.5)	*36,150 (78)	*31,000 (78)		
20	27,150 (49)	25,600 (55)	25,050 (63.5)	24,500 (69)	24,800 (72)	24,650 (75)	24,400 (77)	*24,050 (78)	*23,600 (78)
25	18,100 (36)	16,400 (45)	16,200 (56.5)	16,000 (63.5)	16,950 (68)	17,800 (71)	17,850 (73.5)	17,750 (76)	17,600 (77.5)
30		10,950 (31.5)	10,950 (48.5)	10,950 (57.5)	11,750 (63)	12,650 (67)	13,450 (70.5)	13,550 (72.5)	13,500 (75)
35			7,440 (40)	7,580 (51.5)	8,350 (58)	9,140 (63)	9,910 (67)	10,350 (69.5)	10,550 (72)
40	See Note 16		4,950 (28)	5,190 (45)	5,910 (53)	6,640 (59)	7,360 (63)	7,780 (66.5)	8,190 (69)
45				3,390 (37)	4,080 (47.5)	4,770 (54.5)	5,450 (59.5)	5,840 (63)	6,210 (66.5)
50				1,990 (26.5)	2,650 (41)	3,320 (49.5)	3,970 (55.5)	4,330 (60)	4,680 (63.5)
55					1,510 (33.5)	2,160 (44.5)	2,790 (51)	3,120 (56.5)	3,450 (60)
60						1,210 (38.5)	1,820 (47)	2,140 (52.5)	2,450 (57)
65							1,010 (42)	1,320 (48.5)	1,620 (53.5)
0.1A (lb.)	1,050	1,060	1,100	1,120	1,030	970	920	880	840
Minimum boom angle (°) for indicated length (no load)						15	28	34	40
Maximum boom length (ft.) at 0° boom angle (no load)						70			

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 0% Extended - 360°									
Boom Angle	Main Boom Length in Feet								
	36	40	50						
0°	12,700 (29.8)	7,680 (34.2)	3,240 (44.2)						

NOTE: ( ) Reference radii in feet. A6-829-101073A
** Boom length is with inner-mid fully extended and outer-mid & fly fully retracted.

TIRE INFLATION - PSI (BAR)

SIZE (FRONT & REAR)	TRA CODE	LIFTING SERVICE , GENERAL TRAVEL AND EXTENDED TRAVEL
		STATIC, CREEP & 2.5 MPH (4.0 km/h)
MICHELIN 29.5R25 XHA★	——	75 (5.2)
29.5x25 (28 or 34) General, Denman Broadway / Rock Plus	E-3	65 (4.5) (See operator's manual for extended roading.)