

**LOAD CHARTS
RT990**

**85% STABILITY
ON OUTRIGGERS**

**75% STABILITY
ON RUBBER**

**74074
SERIAL NUMBER**

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 the 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 as 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 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 the 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, hazardous conditions, experience of personnel, two machine lifts, traveling with loads, electric wires, 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 42 ft. boom length.
17. 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.

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.

RATED LIFTING CAPACITIES IN POUNDS **36 FT. - 114 FT. BOOM**

ON OUTRIGGERS FULLY EXTENDED - 360°

Radius in Feet	#0001 or #01									
	Main Boom Length in Feet									
	36	42	51	60	69	78	87	96	105	114
10	180,000 (67)	121,500 (70.5)	114,000 (74)	107,500 (77)	103,000 (79)					
12	158,000 (63)	120,000 (67.5)	110,000 (71.5)	101,500 (75)	99,300 (77.5)	93,650 (79.5)				
15	136,000 (57.5)	115,000 (63)	102,000 (68)	92,100 (72)	90,250 (75)	84,500 (77)	73,350 (79)			
20	103,500 (47)	99,800 (54.5)	90,050 (61.5)	78,650 (67)	76,850 (70.5)	70,500 (73)	62,750 (75.5)	60,000 (77.5)	56,100 (79)	43,850 (80)
25	82,600 (34)	80,100 (45.5)	73,850 (55)	68,900 (61.5)	66,250 (66)	60,150 (69.5)	54,250 (72)	52,250 (74.5)	48,650 (76)	40,950 (77.5)
30		65,650 (34)	61,400 (47.5)	57,650 (55.5)	55,400 (61)	52,400 (65)	46,900 (68.5)	44,900 (71)	42,900 (73)	35,100 (75)
35		51,250 (16.5)	51,250 (38.5)	49,700 (49.5)	46,600 (56)	44,950 (61)	41,150 (65)	39,200 (68)	37,300 (70)	30,400 (72)
40	See Note 16		40,250 (28.5)	40,250 (42.5)	40,250 (51)	38,550 (56.5)	36,550 (61)	34,650 (64.5)	32,800 (67)	26,650 (69.5)
45				32,600 (34.5)	32,600 (45)	32,600 (52)	32,400 (57)	30,950 (61)	29,150 (64)	23,600 (66.5)
50				26,950 (24)	26,950 (38.5)	26,950 (47)	26,950 (53)	26,950 (57.5)	26,150 (61)	21,350 (63.5)
60					19,200 (20)	19,200 (35)	19,200 (43.5)	19,200 (49.5)	19,200 (54.5)	17,300 (57.5)
70						14,100 (16.5)	14,100 (32)	14,100 (41)	14,100 (47)	14,100 (51.5)
80							10,550 (12.5)	10,550 (29.5)	10,550 (38.5)	10,550 (44)
90									7,890 (27.5)	7,890 (35.5)
100										5,830 (24.5)
Minimum boom angle (degrees) for indicated length (no load)										0
Maximum boom length (feet) at 0 degree boom angle (no load)										114

Note: () Boom angles are in degrees.

A6-829-007736 & -007780

#LMI operating code. Two or four digit code depends on LMI system. Refer to LMI manual for instructions.

RATED LIFTING CAPACITIES IN POUNDS
36 FT. - 114 FT. BOOM

ON OUTRIGGERS FULLY EXTENDED - OVER FRONT

Radius in Feet	#0001 or #01									
	Main Boom Length in Feet									
	36	42	51	60	69	78	87	96	105	114
10	180,000 (67)	121,500 (70.5)	114,000 (74)	107,500 (77)	103,000 (79)					
12	158,000 (63)	120,000 (67.5)	110,000 (71.5)	101,500 (75)	99,300 (77.5)	93,650 (79.5)				
15	136,000 (57.5)	115,000 (63)	102,000 (68)	92,100 (72)	90,250 (75)	84,500 (77)	73,350 (79)			
20	103,500 (47)	99,800 (54.5)	90,050 (61.5)	78,650 (67)	76,850 (70.5)	70,500 (73)	62,750 (75.5)	60,000 (77.5)	56,100 (79)	43,850 (80)
25	82,600 (34)	80,100 (45.5)	73,850 (55)	68,900 (61.5)	66,250 (66)	60,150 (69.5)	54,250 (72)	52,250 (74.5)	48,650 (76)	40,950 (77.5)
30		65,650 (34)	61,400 (47.5)	57,650 (55.5)	55,400 (61)	52,400 (65)	46,900 (68.5)	44,900 (71)	42,900 (73)	35,100 (75)
35		53,200 (16.5)	53,200 (38.5)	49,700 (49.5)	46,600 (56)	44,950 (61)	41,150 (65)	39,200 (68)	37,300 (70)	30,400 (72)
40	See Note 16		46,750 (28.5)	43,300 (42.5)	40,300 (51)	38,550 (56.5)	36,550 (61)	34,650 (64.5)	32,800 (67)	26,650 (69.5)
45				39,600 (34.5)	35,800 (45)	33,750 (52)	32,400 (57)	30,950 (61)	29,150 (64)	23,600 (66.5)
50				34,750 (24)	32,750 (38.5)	30,150 (47)	28,650 (53)	27,600 (57.5)	26,150 (61)	21,350 (63.5)
60					25,950 (20)	25,850 (35)	23,500 (43.5)	22,100 (49.5)	21,200 (54.5)	17,300 (57.5)
70						19,400 (16.5)	19,400 (32)	18,750 (41)	17,500 (47)	14,150 (51.5)
80							14,850 (12.5)	14,850 (29.5)	14,850 (38.5)	11,700 (44)
90									11,500 (27.5)	9,810 (35.5)
100										8,230 (24.5)
Minimum boom angle (degrees) for indicated length (no load)										0
Maximum boom length (feet) at 0 degree boom angle (no load)										114

Note: () Boom angles are in degrees.

A6-829-007729 & -007780

#LMI operating code. Two or four digit code depends on LMI system. Refer to LMI manual for instructions.

ON RUBBER CAPACITIES WITH 33.25 x 35 TIRES

STATIONARY CAPACITIES - 360°

Radius in Feet	#9005 or #05						
	Main Boom Length in Feet						
	36	42	51	60	69	78	87
10	81,000 (67)	50,500 (70.5)					
12	68,000 (63)	39,450 (67.5)					
15	49,750 (57.5)	39,450 (63)	39,000 (68)				
20	30,600 (47)	30,600 (54.5)	30,600 (61.5)	29,400 (67)	28,700 (70.5)		
25	20,900 (34)	20,900 (45.5)	20,900 (55)	20,900 (61.5)	20,900 (66)	20,900 (69.5)	
30		15,050 (34)	15,050 (47.5)	15,050 (55.5)	15,050 (61)	15,050 (65)	15,050 (68.5)
35		10,950 (16.5)	10,950 (38.5)	10,950 (49.5)	10,950 (56)	10,950 (61)	10,950 (65)
40			8,020 (28.5)	8,020 (42.5)	8,020 (51)	8,020 (56.5)	8,020 (61)
45				5,820 (34.5)	5,820 (45)	5,820 (52)	5,820 (57)
50				4,100 (24)	4,100 (38.5)	4,100 (47)	4,100 (53)
60					1,590 (20)	1,590 (35)	1,590 (43.5)

NOTE: () Boom angles are in degrees.

A6-329-008930

#LMI operating code. Two or four digit code depends on LMI system. Refer to LMI manual for instructions.

NOTES TO ALL RUBBER 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 33.25 x 35 (32 PR) bias ply tires at 80 psi cold inflation pressure, and 33.25 x 35 (50 PR) bias ply tires at 100 psi (Rotec units).
3. Defined Arc - Over front includes 6° on either side of longitudinal centerline of machine.
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 or jibs 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.

	No Load Stability Data	Main Boom 114 ft.
Front (No Load)	Min. boom angle (deg.) for indicated length	15
	Max. boom length (ft.) at 0 deg. boom angle	105
360 Deg. (No Load)	Min. boom angle (deg.) for indicated length	52
	Max. boom length (ft.) at 0 deg. boom angle	69

ON RUBBER CAPACITIES WITH 33.25 x 35 TIRES

STATIONARY CAPACITIES - DEFINED ARC OVER FRONT (See note 3)

Radius in Feet	#9005 or #05									
	Main Boom Length in Feet									
	36	42	51	60	69	78	87	96	105	114
10	105,000 (67)	50,500 (70.5)								
12	100,000 (63)	50,500 (67.5)								
15	87,950 (57.5)	82,050 (63)	39,000 (68)							
20	65,550 (47)	63,450 (54.5)	63,450 (61.5)	29,400 (67)	28,700 (70.5)					
25	51,100 (34)	51,100 (45.5)	49,850 (55)	29,400 (61.5)	28,700 (66)	20,900 (69.5)				
30		37,450 (34)	35,950 (47.5)	25,350 (55.5)	25,350 (61)	20,900 (65)	15,050 (68.5)			
35		28,500 (16.5)	28,500 (38.5)	25,350 (49.5)	25,350 (56)	20,900 (61)	15,050 (65)			
40			22,350 (28.5)	22,350 (42.5)	22,350 (51)	20,900 (56.5)	15,050 (61)			
45				17,900 (34.5)	16,500 (45)	16,500 (52)	15,050 (57)			
50				14,550 (24)	14,550 (38.5)	14,550 (47)	14,550 (53)	14,550 (57.5)	14,450 (61)	14,050 (63.5)
60					9,780 (20)	9,780 (35)	9,780 (43.5)	9,780 (49.5)	9,780 (54.5)	9,760 (57.5)
70						6,550 (16.5)	6,550 (32)	6,550 (41)	6,550 (47)	6,550 (51.5)
80							4,230 (12.5)	4,230 (29.5)	4,230 (38.5)	4,230 (44)
90								2,480 (7)	2,480 (27.5)	2,450 (35.5)
100										1,110 (24.5)

Note: () Boom angles are in degrees.

A6-829-008929A

#LMI operating code. Two or four digit code depends on LMI system. Refer to LMI manual for instructions.

ON RUBBER CAPACITIES WITH 33.25 x 35 TIRES

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

Radius in Feet	#9006 or #06						
	Main Boom Length in Feet						
	36	42	51	60	69	78	87
10	93,200 (67)						
12	82,300 (63)	67,500 (67.5)					
15	69,650 (57.5)	52,200 (63)					
20	54,850 (47)	52,200 (54.5)					
25	44,700 (34)	41,650 (45.5)					
30		37,300 (34)	34,400 (47.5)	34,400 (55.5)			
35		28,500 (16.5)	28,500 (38.5)	28,500 (49.5)			
40			22,350 (28.5)	17,600 (42.5)	17,600 (51)		
45				16,700 (34.5)	14,750 (45)	14,750 (52)	14,750 (57)
50				14,050 (24)	12,200 (38.5)	12,200 (47)	12,200 (53)
60					9,780 (20)	8,430 (35)	8,430 (43.5)
70						6,550 (16.5)	5,620 (32)
80							4,230 (12.5)

Note: () Boom angles are in degrees.

A6-829-008931A

#LMI operating code. Two or four digit code depends on LMI system. Refer to LMI manual for instructions.

(See rubber notes on page 5.)

33 FT. LENGTH EXTENSION ON OUTRIGGERS - 360°

Main Boom Angle (deg.)	#0051 or #51	#0052 or #52	#0053 or #53
	2° OFFSET	15° OFFSET	30° OFFSET
80	25,000 (27.3)	17,150 (33.2)	12,550 (39.9)
75	20,100 (39.2)	13,300 (45.0)	10,350 (51.2)
70	17,200 (50.9)	10,750 (56.4)	8,760 (62.2)
65	13,300 (62.2)	8,970 (67.5)	7,560 (72.7)
60	10,650 (73.0)	7,640 (78.0)	6,630 (82.7)
55	8,830 (83.2)	6,630 (87.9)	5,890 (92.0)
50	7,480 (92.9)	5,850 (97.1)	5,310 (100.6)
45	6,440 (101.8)	5,220 (105.6)	4,850 (108.3)
40	5,160 (109.9)	4,600 (113.2)	4,280 (115.2)
35	4,010 (117.2)	3,600 (120.0)	3,420 (121.3)

A6-829-007752

NOTE: () Reference radii in feet.

#LMI operating code. Two or four digit code depends on LMI sytem. Refer to LMI manual for operating instructions.

1. All capacities above the bold line are based on structural strength of boom extension.
2. 33 ft. boom extension length 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 114 ft. boom length only).
WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and with out advance warning.
4. Capacities listed are with outriggers fully extended.
5. **BOOM EXTENSION WARNING:** For main boom length greater than 96 ft. with 33 ft. fixed length boom extension in working position, the boom angle must not be less than 29° 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 96 ft. This warning also applies for boom extension erection purposes.

LINE PULLS AND REEVING INFORMATION

HOISTS	CABLE SPECS.	PERMISSIBLE LINE PULLS
Main & Aux. Model 30	3/4" (19 mm) 18x19 Class or 35x7 Rotation Resistant Min. Breaking Str. 64,600 lb.	12,920 lb.

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

WEIGHT REDUCTIONS FOR LOAD HANDLING DEVICES

33 FT. BOOM EXTENSION WITH 36 FT.-114 FT. BOOM	
*Stowed -	787 lbs.
*Erected -	6,267 lbs.

33 FT. - 58 FT. BOOM EXTENSION	
*Stowed -	1,087 lbs.
*Erected (Retracted) -	9,322 lbs.
*Erected (Extended) -	12,860 lbs.

*Reduction of main boom capacities

AUXILIARY BOOM HEAD	312 lbs.
HOOKBLOCKS and HEADACHE BALLS:	
90 Ton, 7 Sheave	2,060 lbs.+
15 Ton, 1 Sheave	650 lbs.+
5 Ton Headache Ball	172 lbs.+
7 1/2 Ton Headache Ball	338 lbs.+
10 Ton Headache Ball	560 lbs.+

+Refer to rating plate for actual weight.

When lifting over swingaway and/or jib combinations, deduct total weight of all load handling devices reeved over main boom nose directly from swingaway or jib 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.

33 FT. - 58 FT. TELE EXTENSION ON OUTRIGGERS FULLY EXTENDED - 360°

Main Boom Angle (deg.)	33 ft. LENGTH			48 ft. LENGTH			58 ft. LENGTH		
	#0021 or #21	#0022 or #22	#0023 or #23	#0031 or #31	#0032 or #32	#0033 or #33	#0041 or #41	#0042 or #42	#0043 or #43
	2° OFFSET	15° OFFSET	30° OFFSET	2° OFFSET	15° OFFSET	30° OFFSET	2° OFFSET	15° OFFSET	30° OFFSET
80	24,500 (27.3)	16,600 (33.2)	12,000 (39.9)	16,900 (31.5)	11,000 (40.7)	7,890 (50.1)	11,000 (33.6)	8,580 (46.1)	6,140 (57.7)
75	19,550 (39.2)	12,750 (45.0)	9,820 (51.2)	12,400 (44.7)	8,670 (53.6)	6,550 (62.4)	9,770 (47.7)	6,820 (59.7)	5,140 (70.4)
70	16,650 (50.9)	10,200 (56.4)	8,220 (62.2)	9,460 (57.6)	7,030 (66.0)	5,550 (74.2)	7,530 (51.6)	5,570 (72.8)	4,370 (82.7)
65	12,750 (62.2)	8,430 (67.5)	7,020 (72.7)	7,510 (70.0)	5,830 (77.9)	4,770 (85.5)	6,020 (74.9)	4,640 (85.5)	3,770 (94.3)
60	10,100 (73.0)	7,100 (78.0)	6,090 (82.7)	6,130 (81.9)	4,930 (89.2)	4,160 (96.1)	4,930 (37.7)	3,930 (97.5)	3,290 (105.2)
55	8,290 (83.2)	6,090 (87.9)	5,350 (92.0)	5,120 (93.2)	4,240 (99.9)	3,670 (106.0)	4,120 (39.8)	3,380 (108.7)	2,910 (115.4)
50	6,940 (92.9)	5,310 (97.1)	4,770 (100.6)	4,360 (103.7)	3,700 (109.8)	3,280 (115.0)	5,500 (111.2)	2,950 (119.2)	2,610 (124.6)
45	5,880 (101.8)	4,680 (105.6)	4,310 (108.3)	3,770 (113.6)	3,270 (118.8)	2,980 (123.2)	3,030 (121.7)	2,610 (128.6)	2,370 (132.8)
40	4,380 (109.8)	3,840 (113.2)	3,520 (115.2)	3,310 (122.5)	2,930 (126.9)	2,730 (130.3)	2,650 (131.3)	2,340 (137.1)	2,180 (140.1)
35	3,230 (117.2)	2,830 (120.0)	2,650 (121.3)	2,790 (130.4)	2,370 (134.1)	2,120 (136.4)	2,330 (140.0)	1,860 (144.6)	1,700 (146.2)

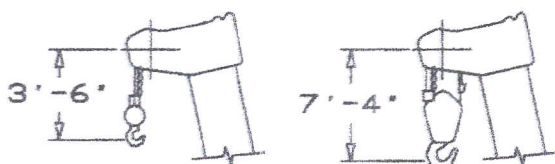
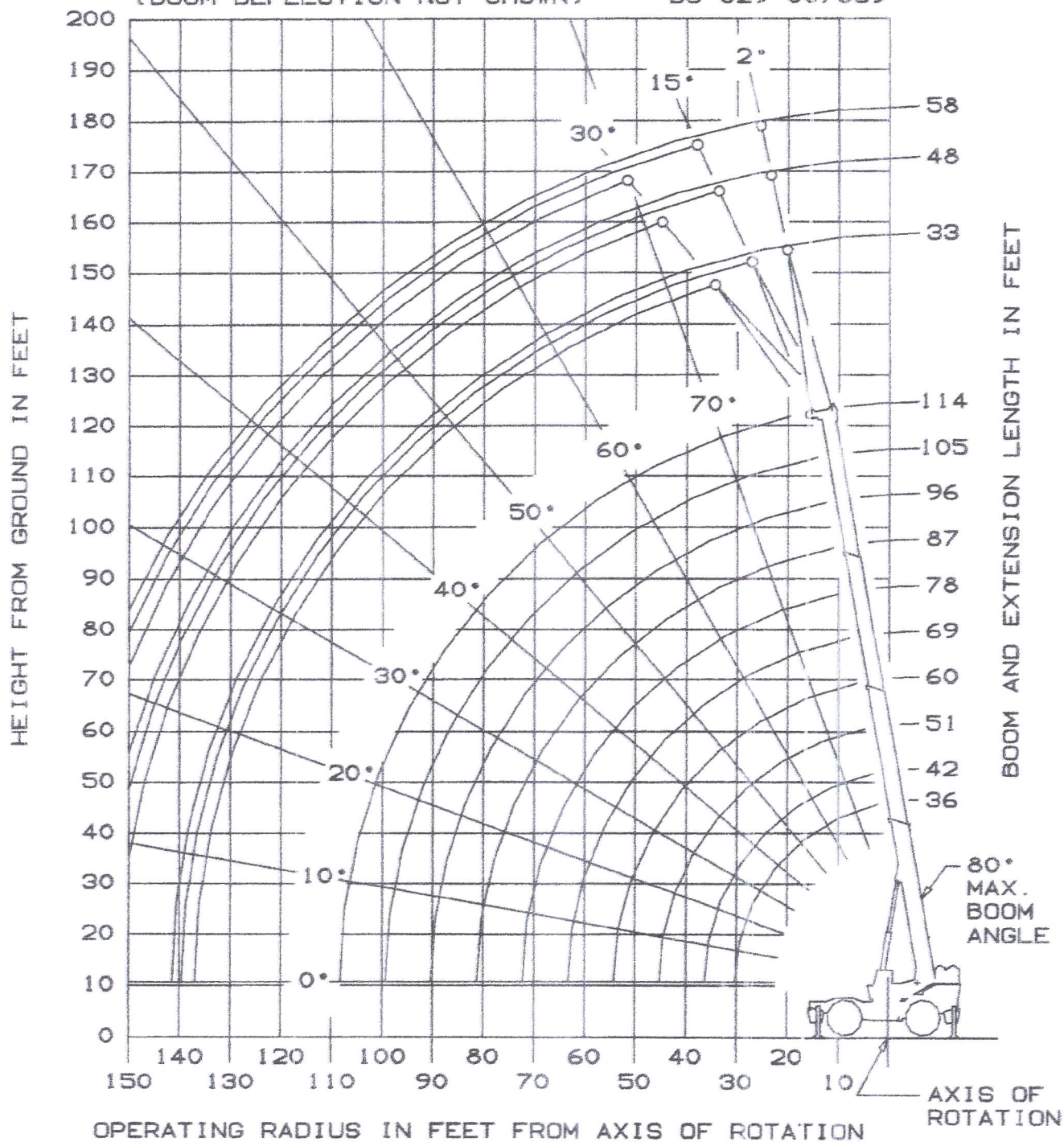
NOTE: () Ref. radii are in feet.

A6-829-007744

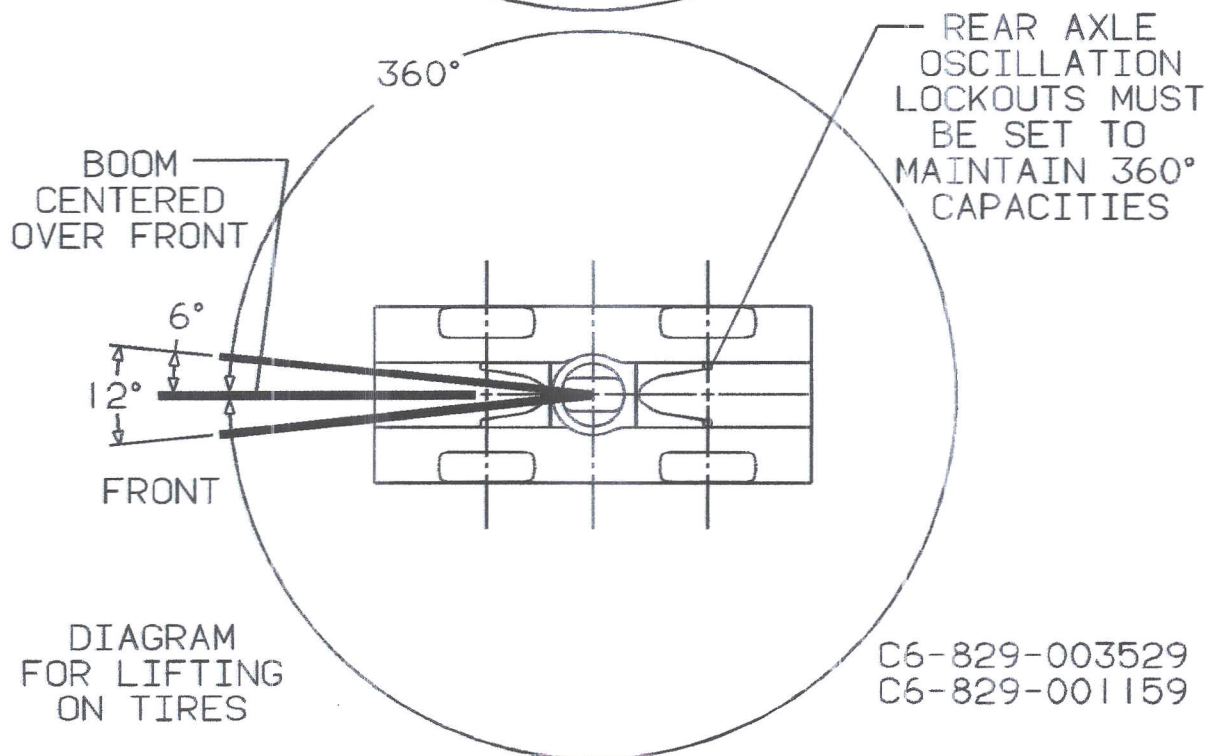
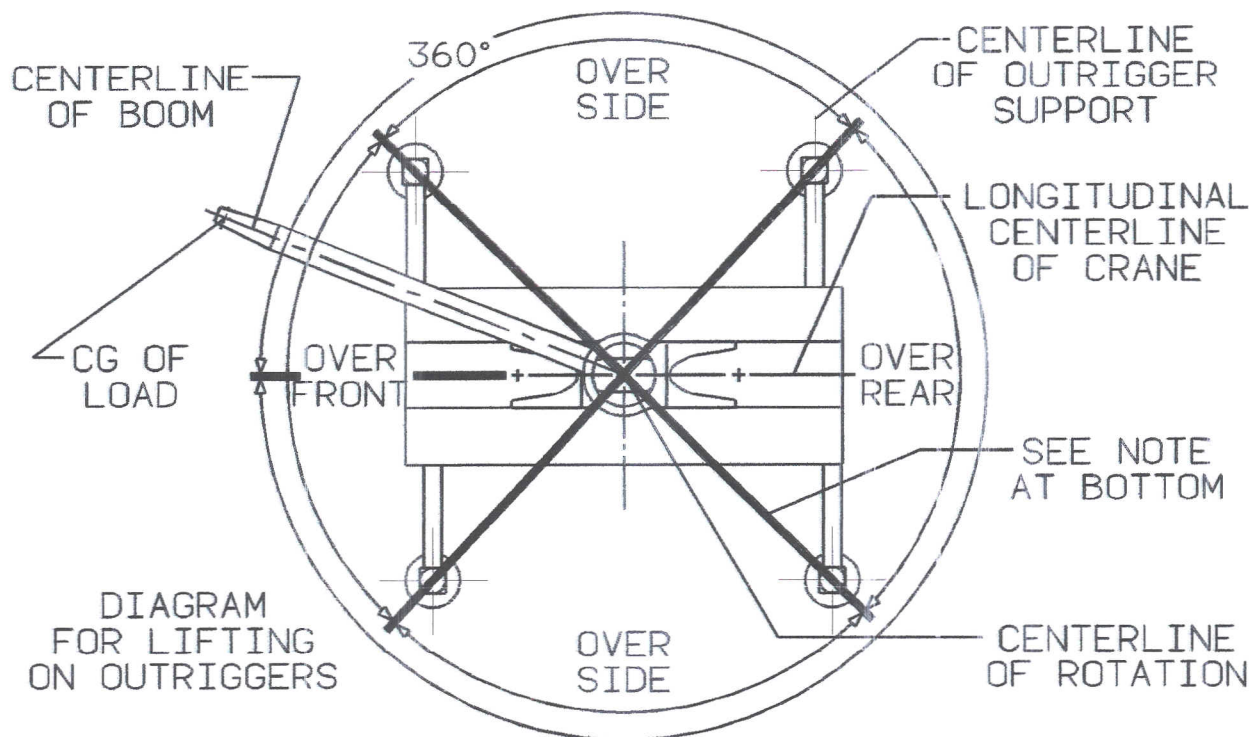
#LMI operating code. Two or four digit code depends on LMI system. Refer to LMI manual for instructions.

1. All capacities above the bold line are based on structural strength of boom extension.
2. 33 ft., 48 ft. and 58 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 114 ft. boom length only). **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. Capacities listed are with outriggers fully extended.
5. **BOOM EXTENSION WARNING:** For main boom length greater than 96 ft. with 33 ft. - 58 ft. tele. boom extension in working position, the boom angle must not be less than 29° 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 96 ft. This warning also applies for boom extension erection purposes.

WORKING RANGE DIAGRAM
(BOOM DEFLECTION NOT SHOWN) D6-829-007869



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



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

WORKING AREA DIAGRAM

ZERO DEGREE BOOM ANGLE CHARTS

ON OUTRIGGERS FULLY EXTENDED - 360° AND OVER FRONT

Boom Angle	Main Boom Length in Feet									
	36	42	51	60	69	78	87	96	105	114
0°	31,400 (30.2)	25,200 (36.3)	18,750 (45.3)	14,200 (54.3)	10,850 (63.3)	8,300 (72.3)	6,250 (81.3)	4,570 (90.3)	3,180 (99.3)	2,060 (107.8)

ON RUBBER 33.25 x 35 TIRES

Stationary Capacity Defined Arc Over Front									
Boom Angle	Main Boom Length in Feet								
	36	42	51	60	69	78	87	96	105
0°	31,400 (30.2)	25,200 (36.3)	17,700 (45.3)	12,250 (54.3)	8,600 (63.3)	5,970 (72.3)	3,980 (81.3)	2,440 (90.3)	1,210 (99.3)

Stationary Capacity 360° Arc				
Boom Angle	Main Boom Length in Feet			
	36	42	51	60
0°	14,850 (30.2)	10,100 (36.3)	5,720 (45.3)	2,935 (54.3)

Pick & Carry Capacities Up to 2.5 mph Boom Centered Over Front							
Boom Angle	Main Boom Length in Feet						
	36	42	51	60	69	78	87
0°	31,400 (30.2)	25,200 (36.3)	16,550 (45.3)	12,100 (54.3)	8,600 (63.3)	5,970 (72.3)	3,980 (81.3)

A6-8.29-009507A

Note: () Reference radii in feet.

TIRE INFLATION - PSI (BAR)

SIZE (FRONT & REAR)	LOAD RANGE	TRA CODE	LIFTING SERVICE AND GENERAL TRAVEL	EXTENDED TRAVEL
			STATIC, CREEP & 2.5 MPH (4.0 KPH)	
33.25 - 35	32 PR	E-3	80 (5.5)	55 (3.8)
33.25 - 35	50 PR	L-4	100 (6.9)	100 (6.9)