

RT522

20 METRIC TON CAPACITY 8.6m - 21.2m BOOM (28 - 70 ft.)

(FULL POWER)
85% and 75% OF TIPPING

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, 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.

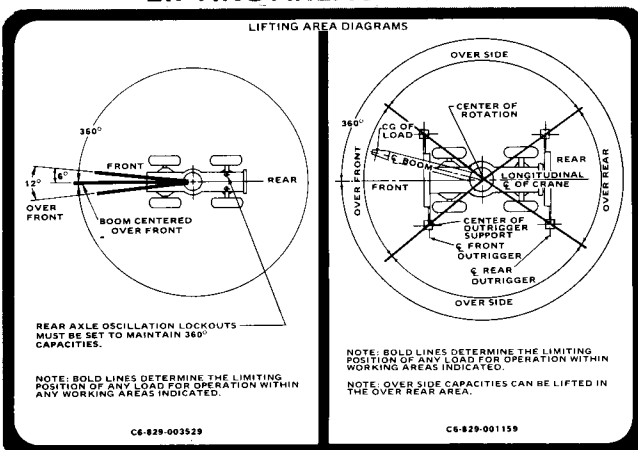
OPERATION:

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.
2. Rated loads do not exceed 85% or 75%, as applicable, 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 bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
16. Capacities for 28 ft. (8.6m) boom length shall be lifted with the boom fully retracted. If boom is not fully retracted, capacities shall not exceed those shown for the 34 ft. (10.4m) boom length.

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.

LIFTING AREA DIAGRAM



85% OF TIPPING

RATED LIFTING CAPACITIES

8.6m - 21.2m BOOM (2)

ON OUTRIGGERS FULLY EXTENDED -

360°

OVER FRONT

Radius in Meters	Boom Length in Meters							
	8.6	10.4	12.2	14.0	15.8	17.7	19.5	21.2
3	20,000 (64.5)	16,325 (69.5)	16,325 (73)					
3.5	18,140 (60.5)	16,325 (66.5)	16,325 (70.5)	15,875 (73.5)				
4	15,920 (56.5)	15,625 (63.5)	15,420 (68)	15,010 (71.5)				
4.5	14,285 (52.5)	14,240 (60)	14,105 (65.5)	13,695 (69.5)	13,220 (72.5)	12,970 (75)		
5	12,880 (48)	12,880 (57)	12,880 (63)	12,605 (67)	12,315 (70.5)	12,065 (73)		
6	10,700 (37.5)	10,700 (50)	10,700 (57.5)	10,700 (62.5)	10,590 (66.5)	10,385 (69.5)	10,045 (72)	9,295 (74)
7	9,025 (24)	9,025 (42)	9,025 (51.5)	9,025 (57.5)	9,025 (62.5)	8,980 (66)	8,750 (69)	8,480 (71.5)
8		7,515 (32.5)	7,515 (45)	7,515 (52.5)	7,515 (58)	7,515 (62.5)	7,515 (65.5)	7,515 (68.5)
9		6,275 (18.5)	6,275 (37.5)	6,275 (47)	6,275 (53.5)	6,275 (58.5)	6,275 (62.5)	6,275 (65.5)
10	See Warning Note 18		5,215 (28.5)	5,215 (41)	5,215 (49)	5,215 (54.5)	5,215 (59)	5,215 (62.5)
12			3,760 (25)	3,760 (38)	3,760 (45.5)	3,760 (51.5)	3,760 (55.5)	
14				2,855 (22)	2,855 (35)	2,855 (43)	2,855 (48.5)	
16					2,235 (19.5)	2,235 (33)	2,235 (40.5)	
18						1,705 (17)	1,705 (30)	
20							1,320 (13)	
Min. Boom Angle (deg.) for indicated length [No Load]								0
Max. Boom Length (m) at 0 degree boom angle [No Load]								21.2

Radius in Meters	Boom Length in Meters							
	8.6	10.4	12.2	14.0	15.8	17.7	19.5	21.2
3	20,000 (64.5)	16,325 (69.5)	16,325 (73)					
3.5	18,140 (60.5)	16,325 (66.5)	16,325 (70.5)	15,875 (73.5)				
4	15,920 (56.5)	15,625 (63.5)	15,420 (68)	15,010 (71.5)				
4.5	14,285 (52.5)	14,240 (60)	14,105 (65.5)	13,695 (69.5)	13,220 (72.5)	12,970 (75)		
5	12,880 (48)	12,880 (57)	12,880 (63)	12,605 (67)	12,315 (70.5)	12,065 (73)		
6	10,700 (37.5)	10,700 (50)	10,700 (57.5)	10,700 (62.5)	10,590 (66.5)	10,385 (69.5)	10,045 (72)	9,295 (74)
7	9,025 (24)	9,025 (42)	9,025 (51.5)	9,025 (57.5)	9,025 (62.5)	8,980 (66)	8,750 (69)	8,480 (71.5)
8		7,845 (32.5)	7,845 (45)	7,845 (52.5)	7,845 (58)	7,845 (62.5)	7,845 (65.5)	7,775 (68.5)
9		7,095 (18.5)	7,095 (37.5)	7,095 (47)	7,095 (53.5)	6,985 (58.5)	6,890 (62.5)	6,800 (65.5)
10	See Warning Note 18		5,990 (28.5)	5,990 (41)	5,990 (49)	5,990 (54.5)	5,990 (59)	5,990 (62.5)
12				4,430 (25)	4,430 (38)	4,430 (45.5)	4,430 (51.5)	4,430 (55.5)
14					3,370 (22)	3,370 (35)	3,370 (43)	3,370 (48.5)
16						2,660 (19.5)	2,660 (33)	2,660 (40.5)
18							2,125 (17)	2,125 (30)
20								1,675 (13)
Min. Boom Angle (deg.) for indicated length [No Load]								0
Max. Boom Length (m) at 0 degree boom angle [No Load]								21.2

NOTE: Boom Angles are in degrees.

A6-829-003712 & -003717A

NOTE: Boom Angles are in degrees.

A6-829-003706 & -003717A

75% OF TIPPING

ON OUTRIGGERS FULLY EXTENDED -

360°

OVER FRONT

Radius in Meters	Main Boom Length in Meters							
	8.6	10.4	12.2	14.0	15.8	17.7	19.5	21.2
3	20,000 (64.5)	16,325 (69.5)	16,325 (73)					
3.5	18,140 (60.5)	16,325 (66.5)	16,325 (70.5)	15,875 (73.5)				
4	15,920 (56.5)	15,625 (63.5)	15,420 (68)	15,010 (71.5)				
4.5	14,285 (52.5)	14,240 (60)	14,105 (65.5)	13,695 (69.5)	13,220 (72.5)	12,970 (75)		
5	12,880 (48)	12,880 (57)	12,880 (63)	12,605 (67)	12,315 (70.5)	12,065 (73)		
6	10,700 (37.5)	10,700 (50)	10,700 (57.5)	10,700 (62.5)	10,590 (66.5)	10,385 (69.5)	10,045 (72)	9,295 (74)
7	8,465 (24)	8,465 (42)	8,465 (51.5)	8,465 (57.5)	8,465 (62.5)	8,465 (66)	8,465 (69)	8,465 (71.5)
8		6,630 (32.5)	6,630 (45)	6,630 (52.5)	6,630 (58)	6,630 (62.5)	6,630 (65.5)	6,630 (68.5)
9		5,535 (18.5)	5,535 (37.5)	5,535 (47)	5,535 (53.5)	5,535 (58.5)	5,535 (62.5)	5,535 (65.5)
10	See Warning Note 18		4,600 (28.5)	4,600 (41)	4,600 (49)	4,600 (54.5)	4,600 (59)	4,600 (62.5)
12				3,315 (25)	3,315 (38)	3,315 (45.5)	3,315 (51.5)	3,315 (55.5)
14					2,520 (22)	2,520 (35)	2,520 (43)	2,520 (48.5)
16						1,970 (19.5)	1,970 (33)	1,970 (40.5)
18							1,505 (17)	1,505 (30)
20								1,165 (13)
Min. Boom Angle (deg.) for indicated length [No Load]								0
Max. Boom Length (m) at 0 degree boom angle [No Load]								21.2

NOTE: Boom Angles are in degrees.

A6-829-003714 & -003717A

Radius in Meters	Main Boom Length in Meters							
	8.6	10.4	12.2	14.0	15.8	17.7	19.5	21.2
3	20,000 (64.5)	16,325 (69.5)	16,325 (73)					
3.5	18,140 (60.5)	16,325 (66.5)	16,325 (70.5)	15,875 (73.5)				
4	15,920 (56.5)	15,625 (63.5)	15,420 (68)	15,010 (71.5)				
4.5	14,285 (52.5)	14,240 (60)	14,105 (65.5)	13,695 (69.5)	13,220 (72.5)	12,970 (75)		
5	12,880 (48)	12,880 (57)	12,880 (63)	12,605 (67)	12,315 (70.5)	12,065 (73)		
6	10,700 (37.5)	10,700 (50)	10,700 (57.5)	10,700 (62.5)	10,590 (66.5)	10,385 (69.5)	10,045 (72)	9,295 (74)
7	9,025 (24)	9,025 (42)	9,025 (51.5)	9,025 (57.5)	9,025 (62.5)	8,980 (66)	8,750 (69)	8,480 (71.5)
8		7,845 (32.5)	7,845 (45)	7,845 (52.5)	7,845 (58)	7,845 (62.5)	7,845 (65.5)	7,775 (68.5)
9		6,335 (18.5)	6,335 (37.5)	6,335 (47)	6,335 (53.5)	6,335 (58.5)	6,335 (62.5)	6,335 (65.5)
10	See Warning Note 18		5,285 (28.5)	5,285 (41)	5,285 (49)	5,285 (54.5)	5,285 (59)	5,285 (62.5)
12				3,910 (25)	3,910 (38)	3,910 (45.5)	3,910 (51.5)	3,910 (55.5)
14					2,970 (22)	2,970 (35)	2,970 (43)	2,970 (48.5)
16						2,345 (19.5)	2,345 (33)	2,345 (40.5)
18							1,875 (17)	1,875 (30)
20								1,480 (13)
Min. Boom Angle (deg.) for indicated length [No Load]								0
Max. Boom Length (m) at 0 degree boom angle [No Load]								21.2

NOTE: Boom Angles are in degrees.

A6-829-003708 & -003717A

ON RUBBER CAPACITIES - 85% OF TIPPING

20.5x25 TIRES

Radius in Meters	Stationary Capacity		Pick & Carry Capacity Up to 4.0 KPH Boom Centered Over Front (7)
	Defined Arc Over Front (3)	360° Arc	
3	12,925 (a)	12,745 (a)	11,955 (a)
3.5	11,555 (a)	9,705 (a)	10,555 (a)
4	10,050 (a)	7,380 (a)	9,410 (a)
4.5	9,040 (a)	6,200 (b)	8,480 (a)
5	8,255 (a)	5,275 (b)	7,725 (a)
6	7,085 (b)	3,830 (c)	6,550 (a)
7	5,555 (b)	2,710 (c)	5,520 (b)
8	4,340 (b)	2,000 (c)	4,340 (b)
9	3,505 (c)	1,560 (d)	2,240 (b)
10	2,920 (c)	1,215 (d)	1,900 (c)
12	2,125 (e)	750 (e)	1,405 (d)
14	1,540 (f)		995 (e)
16	1,095 (g)		655 (f)
18	780 (h)		
20	530 (h)		

A6-829-003764

16:00x25 TIRES

Radius in Meters	Stationary Capacity		Pick & Carry Capacity Up to 4.0 KPH Boom Centered Over Front (7)
	Defined Arc Over Front (3)	360° Arc	
3	13,635 (a)	10,395 (a)	13,985 (a)
3.5	11,310 (a)	8,195 (a)	12,380 (a)
4	10,210 (a)	6,705 (a)	11,065 (a)
4.5	9,340 (a)	5,545 (b)	9,970 (a)
5	8,335 (a)	4,535 (b)	9,425 (a)
6	6,780 (b)	3,185 (c)	7,140 (a)
7	5,245 (b)	2,245 (c)	4,265 (b)
8	4,110 (b)	1,585 (c)	3,565 (b)
9	3,345 (c)	1,165 (d)	3,050 (b)
10	2,720 (c)	855 (d)	2,590 (c)
12	1,915 (e)	450 (e)	1,915 (d)
14	1,365 (f)		1,365 (e)
16	955 (g)		955 (f)
18	675 (h)		
20	450 (h)		

A6-829-003758

14:00x24 TIRES

Radius in Meters	Stationary Capacity		Pick & Carry Capacity Up to 4.0 KPH Boom Centered Over Front (7)
	Defined Arc Over Front (3)	360° Arc	
3	11,975 (a)	10,240 (a)	13,985 (a)
3.5	10,270 (a)	8,160 (a)	12,380 (a)
4	9,025 (a)	6,925 (a)	11,065 (a)
4.5	8,240 (a)	5,430 (b)	9,970 (a)
5	7,340 (a)	4,430 (b)	9,425 (a)
6	5,945 (b)	3,160 (c)	7,140 (a)
7	4,895 (b)	2,245 (c)	4,265 (b)
8	4,005 (b)	1,625 (c)	3,565 (b)
9	3,315 (c)	1,245 (d)	3,050 (b)
10	2,685 (c)	925 (d)	2,590 (c)
12	1,880 (e)	505 (e)	1,915 (d)
14	1,295 (f)		1,365 (e)
16	910 (g)		955 (f)
18	615 (h)		

A6-829-003764

Maximum Permissible Boom Length:

- (a) 8.6m (e) 15.8m
 (b) 10.4m (f) 17.7m
 (c) 12.2m (g) 19.5m
 (d) 14.0m (h) 21.2m

Front (No Load)	Min. boom angle (deg.) for indicated length	Main Boom 21.2m	Main Boom w/7.1m Jib
		360° (No Load)	Max. boom length (m) at 0 degree boom angle
	Min. boom angle (deg.) for indicated length	21.2	28.3
	Max. boom length (m) at 0 degree boom angle	42	51
		15.8	17.4

NOTES FOR RUBBER CAPACITIES

- Rated loads do not exceed 85% or 75%, as applicable, of the tipping load as determined by SAE Crane Stability Test Code J-765a.
- Capacities are applicable to machines equipped with:

14:00x24 (20 ply)	Cold Inflation	2.5 MPH
16:00x25 (20 ply)	115 PSI	110 PSI
20.5x25 (20 ply)	95 PSI	80 PSI
	80 PSI	65 PSI
- Defined Arc - Over front includes $\pm 6^\circ$ on either side of longitudinal centerline of machine.
- Capacities appearing above bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
- Capacities are applicable only with machine on a firm level surface.
- On rubber lifting with jib not permitted.
- For pick and carry operation, boom must be centered over front of machine and mechanical swing lock engaged. When handling loads in the structural range with capacities close to maximum ratings, travel should be reduced to creep speed.
- 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).
- 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.

ON RUBBER CAPACITIES - 75 % OF TIPPING

20.5x25 TIRES

Radius in Meters	Stationary Capacity		Pick & Carry Capacity Up to 4.0 Km/h Boom Centered (7) Over Front
	Defined Arc (3) Over Front	360°	
3	12,925 (a)	11,385 (a)	11,955 (a)
3.5	11,555 (a)	9,000 (a)	10,555 (a)
4	10,050 (a)	6,515 (a)	9,410 (a)
4.5	9,040 (a)	5,470 (b)	8,480 (a)
5	8,255 (a)	4,655 (b)	7,725 (a)
6	6,515 (b)	3,380 (c)	6,515 (a)
7	5,000 (b)	2,390 (c)	5,000 (b)
8	3,830 (b)	1,760 (c)	3,830 (b)
9	3,090 (c)	1,375 (d)	2,240 (b)
10	2,575 (c)	1,070 (d)	1,900 (c)
12	1,875 (e)	660 (e)	1,405 (d)
14	1,360 (f)		995 (e)
16	965 (g)		655 (f)
18	685 (h)		
20	465 (h)		

A6-829-003748

16:00x25 TIRES

Radius in Meters	Stationary Capacity		Pick & Carry Capacity Up to 4.0 Km/h Boom Centered (7) Over Front
	Defined Arc (3) Over Front	360°	
3	13,635 (a)	9,170 (a)	13,985 (a)
3.5	11,310 (a)	7,230 (a)	12,380 (a)
4	10,210 (a)	5,915 (a)	11,065 (a)
4.5	9,340 (a)	4,895 (b)	9,970 (a)
5	8,335 (a)	4,000 (b)	9,030 (a)
6	6,300 (b)	2,810 (c)	6,300 (a)
7	4,630 (b)	1,985 (c)	4,265 (b)
8	3,630 (b)	1,400 (c)	3,565 (b)
9	2,950 (c)	1,025 (d)	2,950 (b)
10	2,400 (c)	755 (d)	2,400 (c)
12	1,690 (e)	400 (e)	1,690 (d)
14	1,205 (f)		1,205 (e)
16	840 (g)		840 (f)
18	595 (h)		
20	395 (h)		

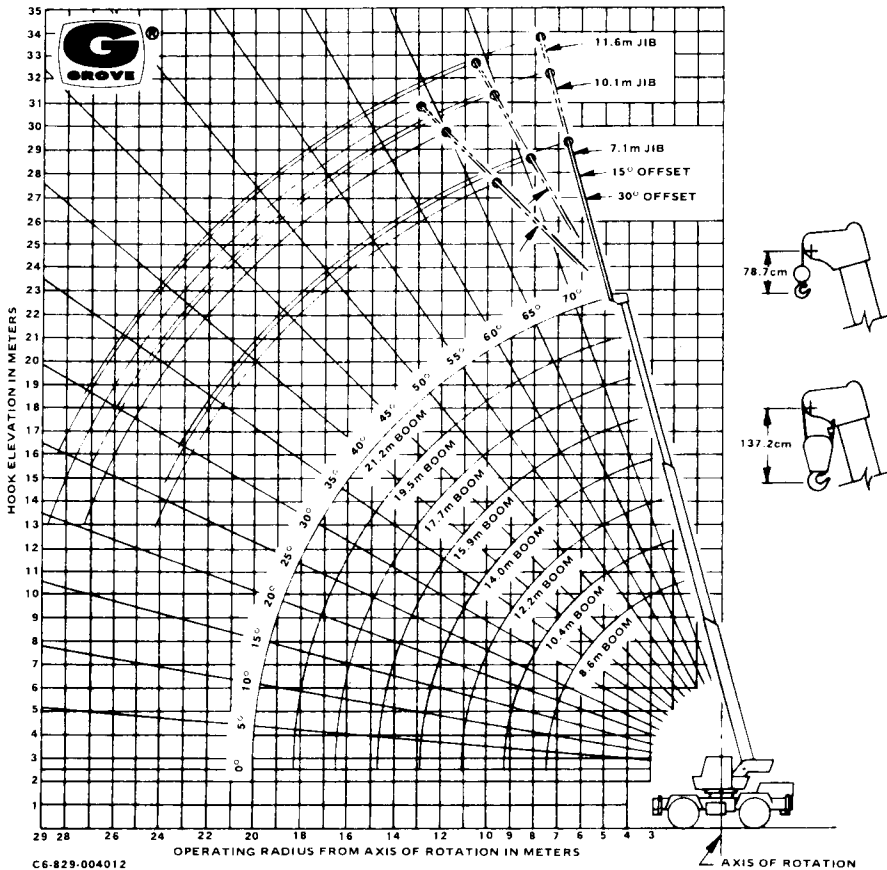
A6-829-003760

14:00x24 TIRES

Radius in Meters	Stationary Capacity		Pick & Carry Capacity Up to 4.0 Km/h Boom Centered (7) Over Front
	Defined Arc (3) Over Front	360°	
3	11,975 (a)	9,870 (a)	9,925 (a)
3.5	10,270 (a)	7,820 (a)	8,730 (a)
4	9,025 (a)	6,110 (a)	7,750 (a)
4.5	8,240 (a)	4,795 (b)	6,935 (a)
5	7,340 (a)	3,910 (b)	6,475 (a)
6	5,945 (b)	2,790 (c)	5,620 (a)
7	4,600 (b)	1,980 (c)	4,520 (b)
8	3,530 (b)	1,435 (c)	3,530 (b)
9	2,925 (c)	1,100 (d)	2,925 (b)
10	2,370 (c)	820 (d)	1,975 (c)
12	1,660 (e)	445 (e)	1,415 (d)
14	1,145 (f)		970 (e)
16	800 (g)		655 (f)
18	540 (h)		

A6-829-003766

RANGE DIAGRAM



C6-829-004012

JIB CAPACITIES IN KILOGRAMS

7.1m "A" FRAME JIB

MAIN BOOM ANGLE	0° OFFSET		15° OFFSET		30° OFFSET	
	Radius (Ref.) M	Cap. Kgs.	Radius (Ref.) M	Cap. Kgs.	Radius (Ref.) M	Cap. Kgs.
75°	8.2	5,440	9.9	3,490	10.9	2,300
70	10.2	4,715	11.6	3,175	12.5	2,175
65	12.3	3,765	13.7	2,855	14.6	2,040
60	14.3	2,660	15.6	2,470	16.5	1,950
55	16.2	2,015	17.5	1,850	18.2	1,670
50	18.0	1,615	19.2	1,435	19.8	1,370
45	19.7	1,320	20.7	1,180	21.3	1,175
40	21.2	1,085	22.1	1,010	22.6	980
35	22.6	915	23.3	870	23.7	850
30	23.7	785	24.4	760	24.7	755

A6-829-003754C

NOTES FOR JIB CAPACITIES

- All capacities are in kilograms. 23 ft. (7.1 m) jib may be used for double line lifting service. Capacities are based on structural strength of 23 ft. (7.1 m) jib at a given main boom angle regardless of main boom length.
- WARNING:** Operation of machine with heavier loads than the capacities listed strictly prohibited. Machine tipping with jib occurs rapidly and without advance warning.
- Capacities listed are with fully extended outriggers only.
- WARNING:** Lifting on rubber with jib is prohibited.
- Reference radii listed are for fully extended main boom only.
- No load stability on outriggers with 23 ft. (7.1 m) jib installed.
 - Minimum boom angle for fully extended main boom = 0°.
 - Maximum boom length at 0° main boom angle = 93 ft. (28.3 m).

7.1-11.6m TELE. JIB

Boom Angle	7.1m Jib Length (Fully Retracted)						10.1m Jib Length						11.6m Jib Length (Fully Extended)					
	0° Offset		15° Offset		30° Offset		0° Offset		15° Offset		30° Offset		0° Offset		15° Offset		30° Offset	
	Radius (Ref.) m	Cap. kg	Radius (Ref.) m	Cap. kg	Radius (Ref.) m	Cap. kg	Radius (Ref.) m	Cap. kg	Radius (Ref.) m	Cap. kg	Radius (Ref.) m	Cap. kg	Radius (Ref.) m	Cap. kg	Radius (Ref.) m	Cap. kg	Radius (Ref.) m	Cap. kg
75°	8.4	5,670	9.6	3,310	10.7	2,040	8.8	3,445	10.8	2,220	12.6	1,315	9.4	2,265	11.9	1,700	13.8	1,010
70	10.2	4,255	11.5	2,895	12.4	1,880	10.9	2,945	13.0	1,935	14.9	1,200	11.6	2,105	13.9	1,495	15.8	900
65	12.3	3,025	13.6	2,605	14.4	1,765	13.4	2,400	15.3	1,730	17.1	1,105	14.1	2,025	16.4	1,335	18.1	845
60	14.3	2,275	15.6	2,100	16.3	1,685	15.7	1,950	17.5	1,560	19.2	1,055	16.6	1,610	18.7	1,195	20.2	800
55	16.2	1,750	17.5	1,550	18.1	1,415	17.9	1,505	19.6	1,255	20.1	1,010	18.9	1,315	20.9	1,110	22.2	760
50	18.0	1,395	19.2	1,265	19.8	1,200	20.0	1,170	21.5	950	22.8	865	21.1	1,100	22.9	920	24.1	730
45	19.7	1,110	20.7	1,030	21.3	985	21.9	930	23.3	780	24.4	725	23.1	870	24.7	750	25.7	680
40	21.2	895	22.1	845	22.6	790	23.7	740	24.9	635	25.8	615	24.9	670	26.3	615	27.1	560
35	22.6	715	23.3	690	23.7	650	25.2	585	26.3	520	27.0	510	26.6	485	27.8	460	28.3	440
30	23.7	585	24.4	575	24.7	555	26.6	460	27.5	425	28.0	415	28.0	390	29.0	380	29.4	375

A6-829-003908B

No load stability on outriggers 360° with 7.1 - 11.6m tele-jib installed:

	Tele-jib fully Retracted 28.3 m	10.1m Tele-jib Length 31.3 m	Tele-jib fully Extended 32.8 m
Minimum boom angle for indicated boom length	0°	0°	0°
Maximum boom length including jib for 0° boom angle	28.3 m	31.3 m	32.8 m

NOTES FOR TELE. JIB CAPACITIES

- 23 ft. (7.1 m) tele jib length may be used for double line lifting service. 33 ft. (10.1m) and 38 ft. (11.6m) jib lengths may be used for single line lifting service only. Capacities are based on structural strength of 23 ft. - 38 ft. (7.1 - 11.6m) tele jib at a given main boom angle regardless of main boom length.
- WARNING:** Operation of machine with heavier loads than the capacities listed strictly prohibited. Machine tipping with jib occurs rapidly and without advance warning.
- Capacities listed are with fully extended outriggers only.
- WARNING:** Lifting on rubber with jib is prohibited.
- Reference radii listed are for fully extended main boom only 70 ft. (21.2m).

WEIGHT REDUCTIONS FOR LOAD HANDLING DEVICES

7.1 m JIB
with 8.6-21.2m BOOM
*Stowed - 173 kg
*Erected - 885 kg

7.1-11.6m TELE. JIB
with 8.6-21.2m BOOM
*Stowed - 274 kg
*Erected (Retracted) - 1,660 kg
*Erected (Extended) - 2,079 kg
*Reduction of main boom capacities.

HOOKBLOCKS

20MT, 3 sheave (40.3cm)	.206 kg
20MT, 3 sheave (30.8cm)	.145 kg
15MT, 2 sheave	.135 kg
10.9MT, 1 sheave (40.3cm)	.181 kg
10.9MT, 1 sheave (30.8cm)	.129 kg
Aux. Boom Head	45 kg
4.5MT Headache Ball.	68 kg

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.