RATED LIFTING CAPACITIES IN POUNDS

28 ft. - 70 ft. BOOM

Radius in Feet	OUTRIGGERS FULLY EXTENDED - 360° Boom Length in Feet								* ON RUBBER	
	28	34	40	46	52	58	64	70	Over Front	Over Side
10	36,000	34,000	31,900	29,800					30,000 (a)	19,500(b)
12	32,000	31,000	30,000	29,800	27,800				24,500 (b)	14,800(c)
15	27,500	27,500	27,500	27,500	27,000	25,750	23,700		16,600 (c)	9,800(d)
20	21,250	21,250	21,000	21,000	20,750	20,500	20,400	20,250	10,300 (e)	5,450 (e)
25		15,500	15,500	15,500	15,500	15,500	15,000	15,000	6,650	3,660
30			11,700	11,700	11,700	11,700	11,700	11,700	4,850	2,300
35				8,650	8,650	8,650	8,650	8,650	3,380	1,330
40				6,650	6,650	6,650	6,650	6,650	2,680	470
45					5,250	5,250	5,250	5,250	1,525	
50						4,250	4,250	4,250	950	
55							3,460	3,460	635	
60							2,760	2,760		
65								2,180		
66.5						A6-829-000196		1,970	A6-829-000197 Rev. 4	

Capacities appearing above bold line are based upon structural strength and not on machine stability. Capacities below bold line are based on stability and do not exceed 85% of tipping loads as determined by test in accordance with SAE Recommended Practice - Crane Load Stability Test Code - SAE J-765.

*Chart based on 16.00x24 tires at 80 psi or 20.5x25 (20 ply) at 65 psi cold inflation pressure. Loads must be reduced for lower inflation pressures.

MAXIMUM PERMISSIBLE BOOM LENGTH:
(a) 28 Feet
(b) 34 Feet
(c) 46 Feet
(d) 52 Feet
(e) 64 Feet

LINE PULLS & REEVING INFORMATION

HOISTS	CABLE SPECS.	PERMISSIBLE LINE PULLS
*MAIN Model 15A	1/2 in. 6x36G, EIPS, IWRC 1/2 in. 19x7, EIPS, Strand	7,200 lbs. 6,150 lbs.
AUXILIARY Model 15A	1/2 in. 19x7, EIPS, Strand	6,150 lbs.

*For multiple part reeving, use one line for each 6,000 lbs. of load or portion thereof.

19x7 is a non-spin rope intended for single line operation and is not recommended for multiple part reeving.

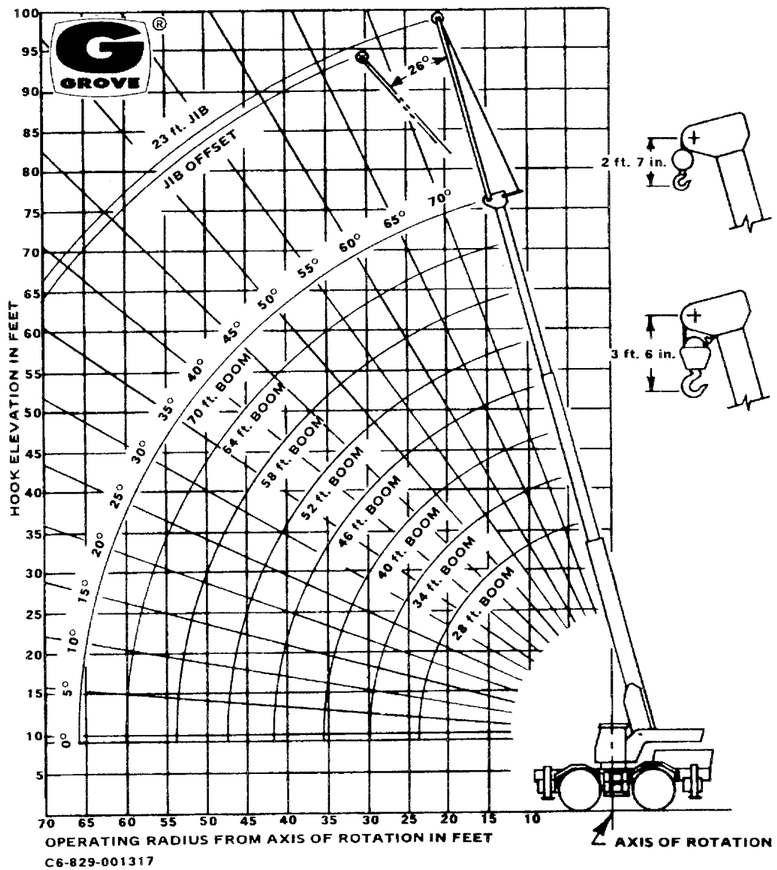
WEIGHT REDUCTION FOR LOAD HANDLING DEVICES

HOOK BLOCKS	
8 Ton, 1 Sheave	180 lbs.
15 Ton, 2 Sheave	200 lbs.
15 Ton, 3 Sheave	260 lbs.
20 Ton, 3 Sheave	400 lbs.
Auxiliary Boom Head	105 lbs.
5 Ton Headache Ball	150 lbs.

23 ft. JIB WITH 28 ft. - 70 ft. BOOM	
JIB STOWED	360 lbs.
JIB ERECTED	1505 lbs.

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.

RANGE DIAGRAM



C6-829-001317

IDENTIFICATION

RT60S

23609
SERIAL NUMBER

JIB CAPACITIES IN POUNDS

23 ft. JIB

MIN. BOOM ANGLE	NO OFFSET	MAX. OFFSET 26°
75	6400	3100
70	5150	2850
65	4350	2650
60	3700	2450
55	3300	2275
50	2950	2170
45	2650	2125
40	2550	2085
35	2475	2040
30	2400	2000
26	2300	1950

A6-829-000583

NOTES TO LIFTING CAPACITIES

1. Rated lifting capacities are **based on freely suspended loads.** They are the maximum covered by **the manufacturer's warranty** with the machine leveled and standing **on a firm supporting surface.** Ratings with outriggers are based on **outriggers being extended** to their maximum positions.
2. Practical working loads for **each particular job shall be established by the user depending on operating conditions;** including the supporting surface, wind and other **factors** affecting stability, hazardous surroundings, experience of **personnel,** handling of load, etc.
3. Operating radius is the **horizontal** distance from the axis of rotation to the centerline of the **hoist line** or tackle with loads applied.
4. "On Rubber" lifting **(if permitted)** depends on proper **tire inflation,** capacity, and condition. "On Rubber" loads may **be transported at a** maximum vehicle **speed of 2.5 mi./hr. (4 km./hr.) on a smooth and** level surface only.
5. Jibs may be used for **single** line lifting **crane service only. Jib** capacities are based on structural strength of **jib or main boom.** Jib loads must not exceed main boom lifting **capacities** for the actual operating radius.
6. Operation is not intended or approved for any **conditions** outside of those shown hereon. Handling of personnel **from the boom** is not **authorized except with** equipment furnished **and installed** by Grove Manufacturing Company.
7. For clamshell or concrete bucket operation, **weight** of bucket and load must not exceed 90% of rated lifting **capacities.**
8. Power-telescoping boom sections must **be extended** equally at all times. Long cantilever booms can create **a tipping condition** when in extended and lowered position.
9. The maximum load which may be telescoped **is limited** by hydraulic pressure, boom angle, boom lubrication, etc. It is safe to attempt to telescope any load within the limits of rated lifting capacity chart.
10. With certain boom and hoist tackle combinations, maximum capacities may not be obtainable with standard cable lengths.
11. With certain boom and load combinations, raising of load with boom lift cylinders may not be possible. Operational safety is not affected by this condition.
12. Keep load handling devices a minimum of 12 inches (30 cm) below boom head when lowering or extending boom.
13. If actual boom length is between rated lengths shown, use lifting capacity for the next longer rated length.