

Grove RT59S





RATED LIFTING CAPACITIES IN POUNDS

24 ft. - 78 ft. BOOM

Radius in Feet	OUTRIGGERS FULLY EXTENDED - 360°								*ON RUBBER	
	Boom Length in Feet								Over Side	Over Front
	24	30	36	42	48	54	60	**78		
10										
12	30,000	30,000	30,000	29,900	28,000				18,000	30,000
15	26,000	26,000	26,000	25,500	24,000	22,000	20,000		13,500	24,500
20	20,000	20,000	20,000	20,000	20,000	19,000	17,500		8,000	16,500
25		13,000	13,000	13,000	13,000	13,000	13,000		4,500	9,500
30			10,800	10,800	10,800	10,800	10,800		2,900	6,400
35				8,200	8,200	8,200	8,200	8,200	1,200	4,250
40					6,100	6,100	6,100	6,400	600	2,675
45						4,300	4,300	4,500	350	1,500
50							2,800	2,800	3,200	560
55								1,600	2,500	
60									2,200	
65									1,600	
70									1,300	
74.8									1,175	

Capacities appearing above bold line are based upon structural strength and machine stability should not be relied upon as the capacity limitation.

**Indicates maximum capacity of Extended Fly Section, regardless of boom length. Capacities 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.

LINE PULLS & REEVING INFORMATION

HOISTS	CABLE SPECS.	PERMISSIBLE LINE PULLS
MAIN* Model 15	1/2 in. - 6x37G, EIPS, IWRC	7,200 lbs.
	1/2 in. - 19x7, EIPS, 5strand	6,150 lbs.
AUXILIARY Model 15	1/2 in. - 6x37G, EIPS, IWRC	7,200 lbs.
	1/2 in. - 19x7, EIPS, 5strand	6,150 lbs.

*For multiple part reeving, use one line for each 5,000 lbs. of load or portion thereof.

WEIGHT REDUCTION FOR LOAD HANDLING DEVICES

HOOK BLOCKS	Weight
8 Ton, 1 Sheave	180 lbs.
15 Ton, 2 Sheave	200 lbs.
15 Ton, 3 Sheave	260 lbs.
Auxiliary Boom Head	105 lbs.
5 Ton, 9 in. dia. Headache Ball	100 lbs.
5 Ton, 11 1/4 in. dia. Headache Ball	200 lbs.

19 ft. JIB WITH 24 ft. - 78 ft. BOOM	
JIB STOWED	100 lbs.
JIB ERECTED	1020 lbs.

NOTE: All Load Handling Devices and Boom Attachments are Considered Part of the Load and Suitable Allowances MUST BE MADE for Their Combined Weight.

Weights are for Grove furnished equipment.

- Use of Manual Fly Section Not Recommended on Rubber.
- Chart based on 16.00 x 24 tires and 80 PSI inflation pressure. Loads must be reduced for lower inflation pressures.
- *For 30,000 lb. lifting capacity, maximum boom length is 42 ft.



- Do not use hoist and supporting structure extended beyond rated capacity.
- Prohibit all personnel in the area of the crane during operation.
- Operating radius is limited to the rated capacity of the crane.
- Do not exceed the rated capacity of the crane.
- Jib may be used in conjunction with boom lifting.
- Operation is limited to the rated capacity of the crane.
- For diameter of cables, refer to the crane manual.
- Prohibit all personnel in the area of the crane during operation.
- The maximum boom angle, within the rated capacity, is 75 degrees.
- With certain configurations, the crane may be used in the extended position.
- Keep load as close to the crane as possible.
- All load handling devices and attachments must be suitable for the crane.
- Operation of the crane is limited to the rated capacity of the crane.

33337
SERIAL NUMBER

RT59S
IDENTIFICATION

PCSA CLASS 12-61

