



RT620



# **SPECIFICATIONS**

## **ENGINE SPECIFICATIONS**

MAKE & MODEL TYPE **BORE & STROKE** 

DISPLACEMENT HORSEPOWER (NET) GOVERNED RPM TORQUE (NET)

ELECTRICAL SYSTEM COMBUSTION SYSTEM COOLING SYSTEM FUEL CAPACITY ALTERNATOR BATTERY AIR CLEANER AIR COMPRESSOR

HOURMETER

Cummins Diesel V-504C 8 Cylinder OHV 4.625 in. x 3.75 in. (117mm x 95mm) 504 cu. in. (8259cm3) 142 @ 2600 RPM 2600 RPM 303 lbs. ft. (42kg.m) @ 1800 RPM 12-volt, Negative Ground 4 Cycle, Naturally Aspirated

Liquid 50 Gallons (189 liters) 55 Amp, 12-volt (2) 12-volt 1500 CCA @ 0°F

Dry Type

13.2 CFM (374 lpm) Yes

\*Detroit Diesel 4-53N 4 Cylinder OHV 3.875 in. x 4.50 in. (98mm x 114mm) 212 cu. in. (3474cm3) 109 @ 2800 RPM 2800 RPM 236 lbs. ft. (33kg.m)

@ 1800 RPM 12-volt, Negative Ground 2 Cycle, w/blower Liquid

50 Gallons (189 liters) 65 Amp, 12-volt (1) 12-volt 825 CCA @ 0°F

Dry Type 7.25 CFM (205 lpm)

Yes

\*Caterpillar Diesel 3208 8 Cylinder OHV

4.5 in. x 5.0 in. (114mm x 130mm) 636 cu. in. (10 422cm3)

122 @ 2500 RPM 2500 RPM

344 lbs. ft. (48kg.m) @ 1100 RPM 12-volt, Negative Ground 4 Cycle, Naturally Aspirated

Liquid 50 Gallons (189 liters) 55 Amp, 12-volt

(2) 12-volt 1500 CCA @ 0°F Dry Type

12 CFM (340 lpm) Yes

\*Denotes optional equipment

### SPEED AND GRADEABILITY

| Forward Drive | Transmission<br>Range | Gear<br>Shift | Maximus<br>MPH | m Speed<br>KM/H | Max. Gradeability<br>@ Stall % | Max. Tractive<br>LB. | Effort At Stall<br>KG. |
|---------------|-----------------------|---------------|----------------|-----------------|--------------------------------|----------------------|------------------------|
| 4 Wheel Drive | Low                   | 1st           | 2.7            | 4.3             | 87.3                           | 32,515               | 14 749                 |
| 4 Wheel Drive | Low                   | 2nd           | 5.1            | 8.2             | 35.9                           | 17,176               | 7791                   |
| 4 Wheel Drive | Low                   | 3rd           | 13.8           | 22.2            | 11.2                           | 6,292                | 2854                   |
| 2 Wheel Drive | High                  | 1st           | 6.4            | 10.3            | 27.5                           | 13,672               | 6202                   |
| 2 Wheel Drive | High                  | 2nd           | 12.1           | 19.5            | 13.1                           | 7,210                | 3270                   |
| 2 Wheel Drive | High                  | 3rd           | 28.5           | 45.9            | 3.5                            | 2,652                | 1203                   |

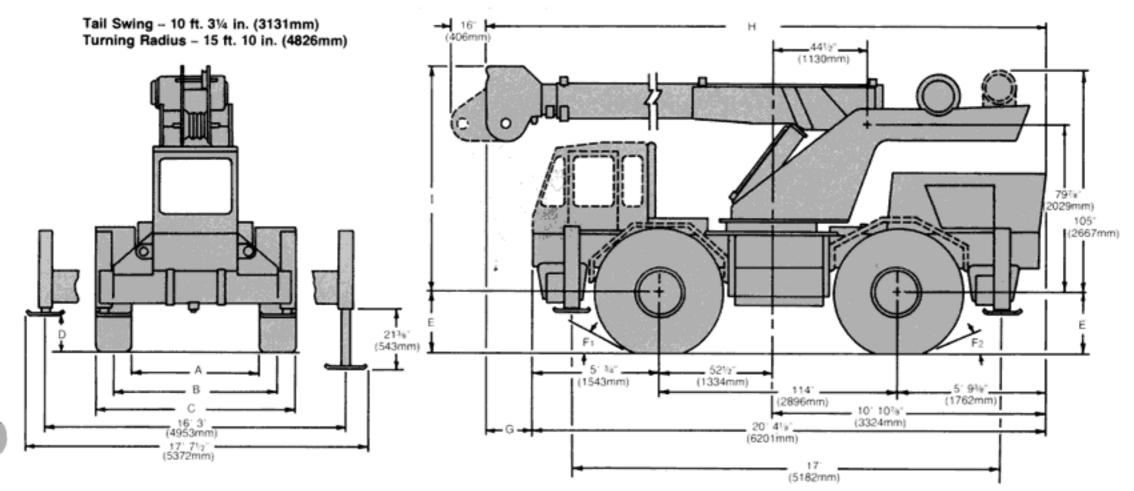
NOTE: All performance data is based on standard machine and may vary plus or minus 10% due to variations in engine performance and vehicle weight.

# MENSIONS

| TIRE<br>SIZE  | A | В                   | С                    | D                  | E | F1  | F2   |
|---------------|---|---------------------|----------------------|--------------------|---|-----|------|
| 16:00<br>x 24 |   | 77½ in.<br>(1969mm) | 95% in.<br>(2429mm)  | 13½ in.<br>(343mm) |   | 23° | 19°- |
| *20.5<br>x 25 |   |                     | 103% in.<br>(2619mm) |                    |   |     | 18°  |

| BOOM LENGTH    | G             | Н                | ı               |
|----------------|---------------|------------------|-----------------|
| *24-60 ft.     | 11 ft. 2½ in. | 31 ft. 6% in.    | 8 ft. 8¼ in.    |
| (7.3m – 18.3m) | (3416mm)      | (9617mm)         | (2648mm)        |
| 28-70 ft.      | 15 ft. 2½ in. | 35 ft. 6% in.    | 8 ft. 95/16 in. |
| (8.5m – 21.3m) | (4636mm)      | (10 836mm)       | (2675mm)        |
| *24-78 ft.     | 11 ft. ¼ in.  | 31 ft. 45/16 in. | 8 ft. 8¼ in.    |
| (7.3m – 23.7m) | (3359mm)      | (9558mm)         | (2648mm)        |

<sup>\*</sup>Denotes optional equipment



Constant improvement and engineering progress makes 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.



RT620

# **SPECIFICATIONS**

- BOOMS = 28 ft. = 70 ft. (8.5m = 21.3m), 3 section, full power telescoping. \*24 ft. = 60 ft. (7.3m = 18.3m), 3 section, full power telescoping. \*24 ft. = 78 ft. (7.3m = 23.8m), 4 section, power telescoping, 2 full power and 1 power pinned section. Boom telescoping sections are individually controlled and supported on graphite impregnated nylatron wear pads. Side adjusting pads. Pendulum boom angle indicators on both sides of boom. Integral holding valves on each telescope cylinder.
- BOOM NOSE Three 11¼" tread dia. (286mm) sheaves mounted on heavy duty needle bearings. Removable pin type rope guards allow easy reeving. Rope dead ends on one side of boom nose. \*(Single sheave 11¼" tread dia. (286mm) auxiliary boom nose mounted to main boom nose, with removable pin-type rope guard. For single part line work.)
- BOOM ELEVATION Dual 8¼" (210mm) bore double acting hydraulic cylinders with integral holding valves; elevation from 0° to 75°.
- \*JIBS 20 ft. (6.1m), "Stowaway" for 24 ft. 60 ft. (7.3m 18.3m) and 24 ft. 78 ft. (7.3m 23.8m) booms. 24 ft. (7.3m) "Stowaway" for 28 ft. 70 ft. (8.5m 21.3m) boom.

  All jibs have self-equalizing suspension and jib backstops.
- SWING Ball bearing swing circle, 360° continuous rotation. "Grove planetary swing" with automatic disc swing brake. Manual plunger type travel lock. Swing speed 3.0 RPM.
- \*ENCLOSED CAB Frame mounted, all steel, full vision, fully enclosed with tinted, tempered glass throughout and fixed skylight: (Windshield laminated), electric windshield wiper, hot water heater (12,000 BTU/hr.), defroster fan, domelight, left and right hand doors with locks. Right and left side sliding vent windows with locks.
- OPEN CAB Frame mounted, all steel, full vision with fixed tinted skylight, laminated safety glass windows, electric windshield wiper, and domelight.
- CAB INSTRUMENTATION Engine oil pressure gauge, engine water temperature gauge, electric fuel gauge, transmission and torque converter, oil temperature gauge, engine hourmeter, voltmeter, air pressure gauge.
- OUTRIGGERS Hydraulic, double-box integral with main frame; telescoping beams, enclosed vertical jacks with integral check valves and mechanical pin locks. Beams extend to 16 ft. 3 in. (5.0m) centerline to centerline of pad. Independent or simultaneous control in-out-up-and-down. Outrigger controls in operator's cab. Sequence control arrangement eliminates accidental outrigger actuation.
- MAIN FRAME All-welded construction with full depth longitudinals braced by crossmembers. Frame is reinforced at critical points to insure a rigid turntable mounting.

- TRANSMISSION AND TORQUE CONVERTER Engine mounted converter, 2.812:1 stall ratio with PTO for hydraulic pumps. Remote mounted full powershift transmission with rear axle disconnect.
- SPEEDS 6 forward and 6 reverse.
- AXLES Front: Planetary drive/steer type mounted rigid to the frame.

  Rear: Planetary drive/steer type mounted to allow 0 in. to 9½ in. (0-241mm)

  oscillation
- OSCILLATION LOCKOUTS Automatic hydraulic on rear axle. Allows oscillation only with boom over front.
- SERVICE BRAKES Full air on all wheels. Size: 20¼ in. x 4 in. (514mm x 102mm) with 24 sq. in. (155cm²) chambers. Total lining area: 644 sq. in. (4155cm²).
- PARKING BRAKES Front and rear axles equipped with "Fail Safe" spring set emergency and parking brakes.
- STEERING Front: Full power assist hydraulic control.
  - Rear: Full hydraulic tiller bar control. Independent front and rear steer control allows maximum maneuverability.
- TIRES 16:00 x 24 16 ply tubeless, heavy duty grader. \*20.5 x 25 20 ply tubeless, Hi flotation.

### HYDRAULIC SYSTEM:

- RESERVOIR 82.6 gallon (312.6 liters) capacity, all-steel welded construction with integral baffles, clean out access and sight level gauge.
- FILTER Return line type, replaceable cartridge with bypass protection. 10 micron rating.
- PUMPS 3 main gear pumps 112.5 GPM (426 LPM) combined capacity. Separate pump for front steer – 18.7 GPM (71 LPM). Pump disconnect lever operated from carrier deck.
- CONTROL VALVES Precision four-way double-acting with integral load check, main and circuit relief valves. Three individual valve banks permitting simultaneous independent control of three crane functions. Maximum operating pressure 2500 PSI (175.8kg/cm²).
- OIL COOLER Full flow, fin and tube, oil to air.
- POWER DISTRIBUTION [Main hoist, 'auxiliary hoist, 46.5 GPM (176 LPM)]; [Boom elevation, rear steer, mid telescope, main hoist boost, 39.5 GPM (149.5 LPM)]; [Fly telescope, outrigger, swing, 26.5 GPM (100.3 LPM)]; [Front steer, 18.7 GPM (70.8 LPM)].
- MISCELLANEOUS STANDARD EQUIPMENT Cab guard, hydraulic and fuel step tanks, 3¾ lb. (1.7kg) dry type fire extinguisher, protecto seal fuel cap, electric horn, full engine hood.

## HOIST SPECIFICATIONS

| HOIST DATA  | MAIN HOIST<br>Grove Model 15H-16B  | *AUXILIARY HOIST<br>Grove Model 15S-11B  | *MAIN OR AUXILIARY HOIST<br>Gearmatic Model 11<br>SGECR<br>(Controlled Free Fall)                  |
|---|--|--|--|
| Drum Dimensions   | 12 in. dia. (305mm)<br>16 in. length (406mm)<br>17.5 in. dia. flange<br>(445mm)                    | 12 in. dia. (305mm)<br>11 in. length (279mm)<br>17.5 in. dia. flange<br>(445mm)                    | 9 in. dia. (229mm)<br>13 in. length (330mm)<br>17.5 in. dia. flange<br>(445mm)                     |
| Performance:<br>Max. Single Line Speed<br>Max. Single Line Pull | 355 FPM (108m/min)<br>9,165 lb. (4157kg)   | 200 FPM (61m/min)<br>9,165 lb. (4157kg)  | 290 FPM (88m/min)<br>9,145 lb. (4148kg)  |
| Drum Rope<br>Storage Capacity                                   | **720 ft. of ½ in. dia. rope<br>(219.5m of 13mm)   | 489 ft. of ½ in. dia. rope<br>(149.1m of 13mm)   | 675 ft. of ½ in. dia. rope<br>(206m of 13mm)   |
| Permissible Single Line<br>Rope Pull                            | ½ in. (13mm) 6x37 class –<br>7,200 lb. (3266kg)<br>½ in. (13mm) 19x7 class –<br>6,150 lb. (2790kg) | ½ in. (13mm) 6x37 class –<br>7,200 lb. (3266kg)<br>½ in. (13mm) 19x7 class –<br>6,150 lb. (2790kg) | ½ in. (13mm) 6x37 class –<br>7,200 lb. (3266kg)<br>½ in. (13mm) 19x7 class –<br>6,150 lb. (2790kg) |

<sup>\*</sup>Denotes optional equipment

# **WORKING WEIGHTS**

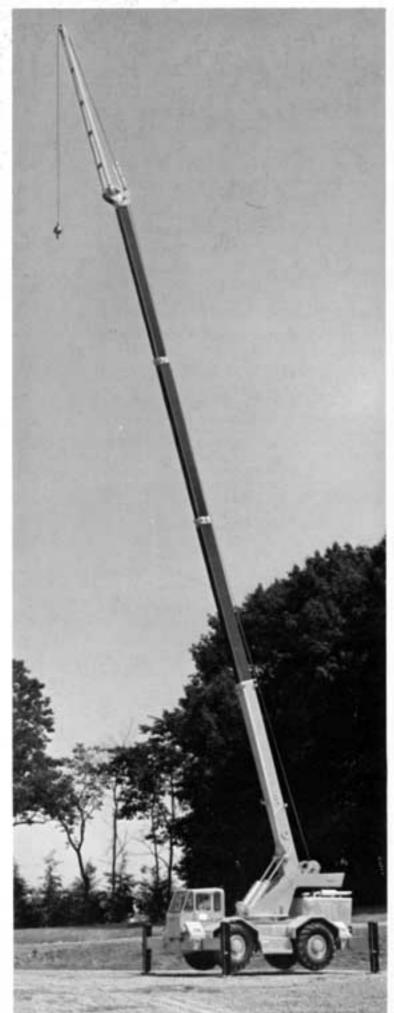
| Standard Machine               | Total Weight |        | Axle Weight Distribution |        |        |        |
|--------------------------------|--------------|--------|--------------------------|--------|--------|--------|
| With                           | Lbs.         | Kg.    | Fr                       | ont    | l R    | ear    |
|                                |              |        | Lbs.                     | Kg.    | Lbs.   | Kg.    |
| 28-70 ft. (8.5m - 22.3m) boom  | 47,980       | 21 764 | 28,620                   | 12 982 | 19,360 | 8782   |
| *24-60 ft. (7.3m - 18.3m) boom | 46,820       | 21 238 | 24,160                   | 10 959 | 22,660 | 10 279 |
| *24-78 ft. (7.3m - 23.7m) boom | 48,425       | 21 966 | 27,400                   | 12 429 | 21,025 | 9537   |

NOTE: Weights may vary plus or minus 3% due to manufacturing tolerances.

<sup>&</sup>quot;6th layer of rope not recommended for hoisting operations.

<sup>\*</sup>Denotes optional equipment.





# RIGID BOOMS

. . . are of welded-box design, fabricated of high strength steel purchased to Grove specifications. Boom design is clean with all boom telescoping cylinders and hydraulic hoses totally enclosed. Side adjustable, boommounted wear pads prevent metalto-metal contact of the inner telescoping boom sections thus boom telescoping action is always smooth and precise during extension and retraction. Integral holding valves are standard on all telescoping cylinders. Illustrated is the optional 78' (23.8m) 4-section boom with 20' (6.1m) jib providing a tip height of 104' (31.7m) with a capacity of 6,200 lbs. (2812kg).

# OUTSTANDING MANEUVERABILITY!

. . . Tight quarter operation is a common occurrence for RT Cranes and that's why Grove RT Cranes offer the ultimate in maneuverability with full-power hydraulic steering on both axles. This permits 4-wheel coordinated, 4-wheel crabbing, 2-wheel (front or rear) steering for better maneuverability. Grove's system of independent control for each axle permits a greater degree of maneuverability with greater ease for the operator.



# OPTIMUM STABILITY FOR 360° LIFTING CAPABILITY!

riggers in a nearly square configuration provide the necessary stability for high capacity lifting in a 360° arc. Outriggers are independently set or retracted by a control arrangement which makes it virtually impossible to accidentally retract the outriggers once set. Double-box sliding beam outriggers and box-type vertical jacks protect the hydraulic cylinders from the elements and job-site damage. Mechanical pin locks and check valves are standard features.



# HYDRAULIC CRANES

**GROVE MANUFACTURING COMPANY** 

KIDDE

SHADY GROVE, PA 17256 U.S.A.



# **FULL HYDRAULIC**

# SELF-PROPELLED CRANE

# RATED LIFTING CAPACITIES

ON OUTRIGGERS FULLY EXTENDED - 360°

24 ft. - 60 ft. BOOM

PCSA CLASS (10-71)

| Radius |        | В      | om Len | gth in Fe | et     |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Feet   | 24     | 30     | 36     | 42        | 48     | 54     | 60     |
| 10     | 40,000 | 34,500 | 32,700 | 30,800    |        |        |        |
| 12     | 32,000 | 32,000 | 31,000 | 30,000    | 28,000 |        |        |
| 15     | 26,000 | 26,000 | 26,000 | 26,000    | 24,000 | 22,000 | 20,000 |
| 20     |        |        |        | 20,000    |        |        |        |
| 25     |        | 15,000 |        | 15,000    |        |        | 15,000 |
| 30     |        |        | 11,800 | 11,800    | 11,800 | 11,800 | 11,800 |
| 35     |        |        |        | 9,100     | 9,100  | 9,100  | 9,100  |
| 40     |        |        |        |           | 7,100  | 7,100  | 7,100  |
| 45     |        |        |        |           |        | 5,300  | 5,300  |
| 50     |        |        |        |           | -      | 4,100  | 4,100  |
| 55     |        |        |        |           |        |        | 3,650  |

ON RUBBER

| Radius<br>in Feet | Over<br>Front | Over<br>Side             |
|-------------------|---------------|--------------------------|
| 10                | *30,000       | 19,500                   |
| 12                | 24,600        | 14,800                   |
| 15                | 16,500        | 9,800                    |
| 20                | 11,200        | 6,350                    |
| 25                | 7,200         | 3,860                    |
| 30                | 5,250         | 2,680                    |
| 35                | 3,660         | 1,650                    |
| 40                | 2,780         | 550                      |
| 45                | 2,100         |                          |
| 50                | 1,420         |                          |
| 55                | 940           |                          |
|                   |               | The second second second |

A6-829-000193A

Over

Side

All On Rubber Capacities are 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.

28 ft. - 70 ft. BOOM

PCS.

|      | L '    |        | Boom Le | ngth in I | Feet   |        |        |        |
|------|--------|--------|---------|-----------|--------|--------|--------|--------|
| Feet | 28     | 34     | 40      | 46        | 52     | 58     | 64     | 70     |
| 10   | 40,000 | 34,000 | 31,900  | 29,800    |        |        |        |        |
| 12   | 32,000 | 31,000 | 30,000  | 29,800    | 27,800 |        |        |        |
| 15   | 27,500 | 27,500 | 27,500  | 27,500    | 27,000 | 25,750 | 23,700 |        |
| 20   |        |        |         | 21,000    |        |        |        | 20,250 |
| 25   |        | 15,500 | 15,500  | 15,500    | 15,500 | 15,500 | 15,000 | 15,000 |
| 30   |        | 11,700 | 11,700  | 11,700    | 11,700 | 11,700 | 11,700 | 11,700 |
| 35   |        |        | 8,650   |           |        |        |        |        |
| 40   |        |        |         | 6,650     | 6,650  | 6,650  | 6,650  | 6,650  |
| 45   | L      |        |         |           | 5,250  | 5,250  | 5,250  | 5,250  |
| 50   |        |        |         |           |        | 4,250  | 4,250  | 4,250  |
| 55   |        |        |         | ĺ         |        |        | 3,460  | 3,460  |
| 60   |        |        |         |           |        |        | 2,760  | 2,760  |
| 65   |        |        |         |           |        |        |        | 2,180  |
| 66.5 |        |        |         |           |        |        |        | 1,970  |

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|          | 10 | 30,000 (a) | 19,500 (b) |
|----------|----|------------|------------|
|          | 12 | 24,500 (b) | 14,800 (c) |
| A CI ACC | 15 | 16,600 (c) | 9,800 (d)  |
| A CLASS  | 20 | 10,300 (e) | 5,450 (e)  |
| 10-67)   | 25 | 6,650      | 3,660      |
|          | 30 | 4,850      | 2,300      |
|          | 35 | 3,380      | 1,330      |
|          | 40 | 2,680      | 470        |
|          | 45 | 1,525      |            |

Over

Front

950

635

Radius

in Feet

50

55

A6-829-000197(4)

Maximum Permissible Boom Length:

28 ft.

34 ft. (b)

46 ft. (c)

(d) 52 ft.

64 ft.

24 ft. - 78 ft. BOOM

| Radius |        |        | Boo    | m Lengt | h in Fee | t      |        |        |
|--------|--------|--------|--------|---------|----------|--------|--------|--------|
| Feet   | 24     | 30     | 36     | 42      | 48       | 54     | 60     | **78   |
| 10     | 40,000 | 34,500 | 32,700 | 30,800  |          |        |        |        |
| 12     | 32,000 | 32,000 | 31,000 | 29,900  | 28,000   |        |        |        |
| 15     | 26,000 | 26,000 | 26,000 | 25,500  | 24,000   | 22,000 | 20,000 | 1000   |
| 20     |        |        | 20,000 |         |          |        |        |        |
| 25     |        |        | 13,000 |         |          | 13,000 | 13,000 | 13,000 |
| 30     |        |        | 10,800 | 10,800  | 10,800   | 10,800 | 10,800 | 10,800 |
| 35     |        |        |        | 8,200   | 8,200    | 8,200  | 8,200  | 8,200  |
| 40     | ł      |        |        |         | 6,100    | 6,100  | 6,100  | 6,400  |
| 45     |        |        |        |         |          | 4,300  | 4,300  | 4,500  |
| -      | 2      |        |        |         |          | 2,800  | 2,800  | 3,200  |
| _ /    | 1      |        |        |         |          |        | 1,600  | 2,500  |
|        |        |        |        |         | l        |        | ,      | 2,200  |
| 65     |        |        |        |         |          |        |        | 1,600  |
| 70     | l      | ļ      | l      |         |          |        |        | 1,300  |
| 74.8   |        |        | ĺ      | 1       |          | 4      |        | 1,175  |

A6-829-002163A

PCSA CLASS (10-61)

| Radius . | Over<br>Front | Over<br>Side |
|----------|---------------|--------------|
| Feet     |               |              |
| 10       | 30,000 (a)    | 18,000 (c)   |
| 12       | 24,500 (b)    | 13,500 (d)   |
| 15       | 16,500 (d)    | 8,000        |
| 20       | 9,500         | 4,500        |
| 25       | 6,400         | 2,900        |
| 30       | 4,250         | 1,200        |
| 35       | 2,675         | 600          |
| 40       | 1,500         | 350          |
| 45       | 950           |              |
| 50       | 560           |              |

(c)

Maximum Permissible Boom Length: 24 ft. (a)

30 ft. (b)

36 ft.

(d) 48 ft.

A6-829-000201B Use of manual fly section not recommended for on rubber lifting.

NOTE: 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.

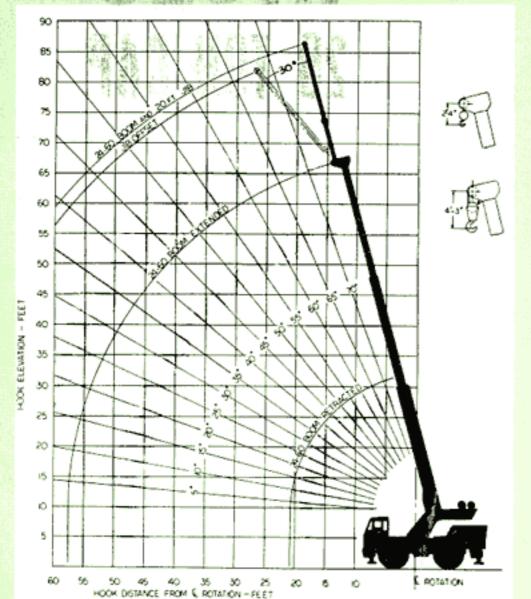
NOTES TO LIFTING CAPACITIES, SEE REVERSE SIDE

Capacities appearing in shaded area 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.



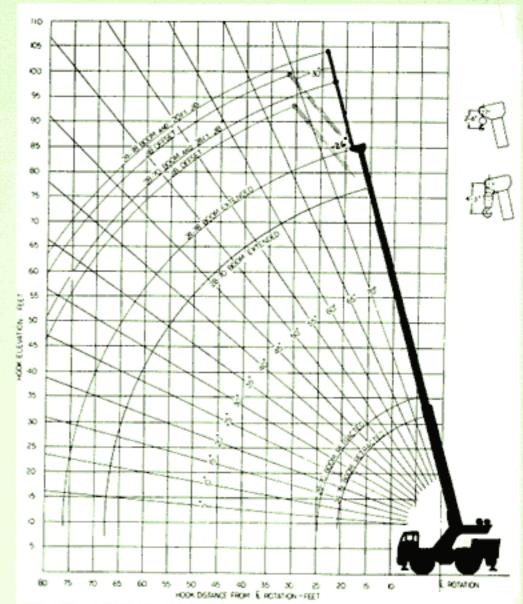


RANGE DIAGRAM 24 ft. - 60 ft, BOOM



# RT620

# RANGE DIAGRAM 28 ft. - 70 ft. and 24 ft. - 78 ft. BOOMS



# JIB CAPACITIES

20 ft. JIB

|                       |        | -5-3-27-39-39           |
|-----------------------|--------|-------------------------|
| MIN.<br>BOOM<br>ANGLE | OFFSET | MAX.<br>OFFSET<br>(30°) |
| 75                    | 6200   | 2600                    |
| 70                    | 5000   | 2400                    |
| 65                    | 4300   | 2300                    |
| 60                    | 3700   | 2150                    |
| 55                    | 3300   | 2100                    |
| 50                    | 2600   | 1650                    |
| 45                    | 2400   | 1500                    |
| 40                    | 2200   | 1460                    |
| 30                    | 1900   | 1200                    |

A6-829-000194B

# NOTES TO LIFTING CAPACITIES

26 2300 1950

 Do not exceed any rated lifting capacity. Rated lifting capacities are based on freely suspended loads with the machine leveled and standing on a firm supporting surface. Ratings with outriggers are based on outriggers being extended to their maximum position and tires raised free of crane weight before extending the boom or lifting loads.

2. Practical working loads for each particular job shall be established by the user depending on operating condition to include: the supporting surface, wind and other factors affecting stability, hazardous surroundings, experience of personnel, handling of load, etc. No attempt must be made to move a load horizontally on the ground in any direction.

to move a load horizontally on the ground in any direction.

3. Operating radius is the horizontal distance from the axis of rotation before loading to the centerline of the vertical hoist line or tackle with

loads applied.
"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 firm and level surface

under conditions specified.

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.

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

A6-829-000583C

MIN.

BOOM

ANGLE

75

70

65

60

55

50

45

40

35

30

For clamshell or concrete bucket operation, weight of bucket and load must not exceed 80% of rated lifting capacities.
 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.

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.
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

12. Reep load handling devices a minimum of 12 inches (30 cm) below boom head when lowering or extending boom.
13. If actual boom length and/or radius is between values listed, use lifting capacity for the next longer rated length and/or radius.
14. All load handling devices and boom attachments are considered part of the load and suitable allowances must be made for their combined weights.

15. Operation of this equipment in excess of rating charts or disregard of the instructions is hazardous and voids the warranty and manufacturer's



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Form 1199876-10M

PRINTED IN U.S.A.

Distributed by:

24 ft. JIB

NO

OFFSET

6400

5150

4350

3700

3300

2950

2650

2550

2475

2400

MAX.

OFFSET

(26°)

3100

2850

2650

2450

2275

2170

2125

2085

2040

2000