

**MORE PROFITABLE
MORE VERSATILE**

**for a wider
variety of lifting
& handling jobs!**

THE PREFERENCE FOR GROVE CRANES among profit-minded users reflects the users need for the versatility and advanced design engineering offered in all Grove Hydraulic Cranes. They add up to profit-making performance... a measurable value that tells him he is getting his money's worth on his Grove Crane investment. That's why the smart crane buyers have made Grove their NUMBER ONE CHOICE.

A FULL LINE OF HYDRAULIC CRANES... in addition to a full line of rough terrain cranes, Grove also offers a complete line of carrier-mounted cranes including an 80-ton model with a boom tip height of 180'. Ask your Grove Distributor for details.



**HYDRAULIC
CRANES**

GROVE MANUFACTURING COMPANY
A Division of Walter Kidde & Company, Inc.
Shady Grove, Pa. 17256



MAXIMUM COUNTERWEIGHT EFFECTIVENESS
The fixed counterweight, an original Grove design concept now copied by many, not only improves the efficiency of the crane but also permits a full sized, comfortable operator's cab.

Grove RT58 self-propelled hydraulic cranes are equally at home on rough terrain construction jobs, in-plant rigging jobs, or on industrial material handling jobs. The low profile and compact design, high angle of boom elevation telescoping and swing action, plus 4-wheel drive and steer maneuverability permit safe, efficient crane operation in areas which would restrict the use of mechanical cranes.

Grove booms are of welded box design fabricated of high strength steel. Boom design is clean with all boom telescoping cylinders and hydraulic hoses totally enclosed. Telescoping action is always smooth and precise.



GROVE[®]

FULL HYDRAULIC
SELF-PROPELLED CRANE

**MODEL
RT58**
14-Ton Capacity

FEATURES

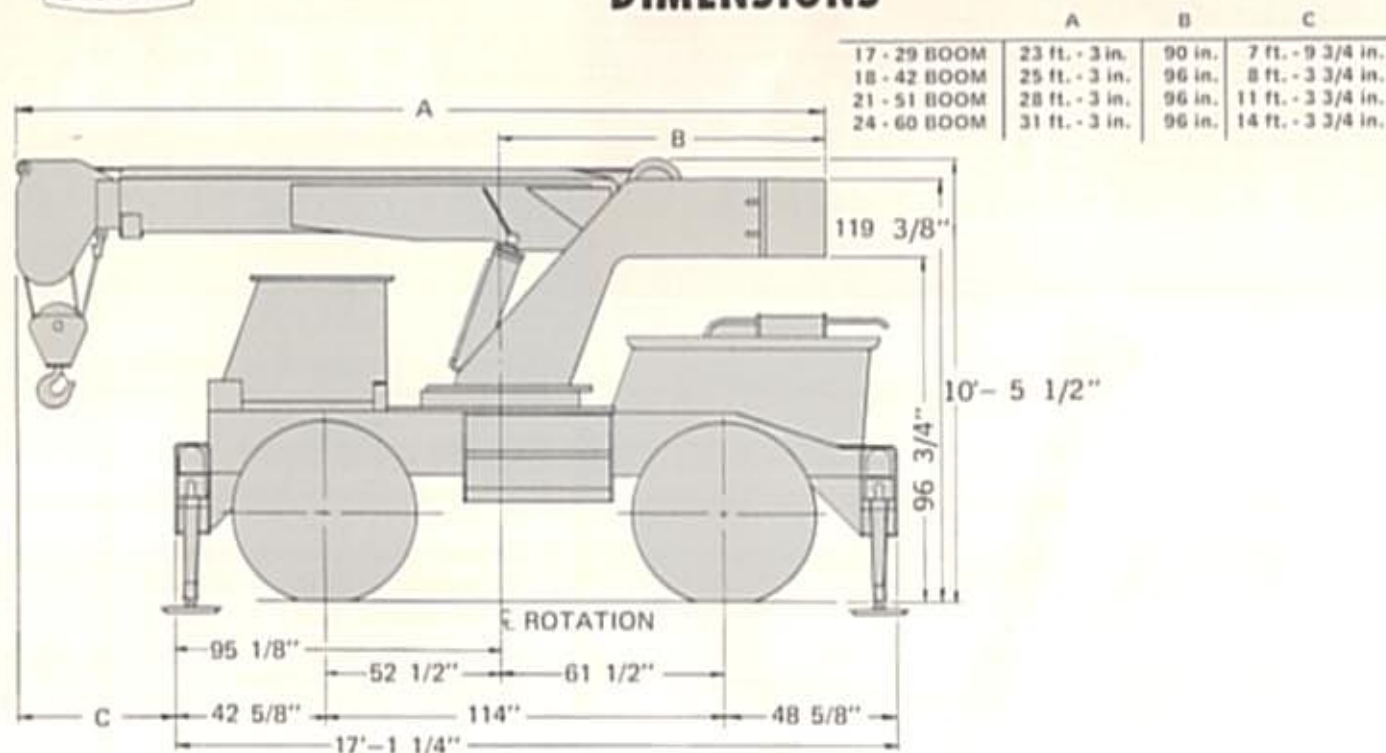
- 28,000 lbs. Capacity
- 24-60 ft. Power Telescoping Boom
- Power Shift Transmission—6 speeds forward & reverse
- Hi-Lo range selection automatically shifts 4-Wheel drive—2-Wheel drive
- 4-Wheel Hydraulic Power Assists Steering & Brakes
- 75° Maximum elevation
- 360° Continuous rotation
- Automatic Hydraulic Rear Axle Oscillation Lockouts
- Hydraulic pump disconnect

Meets requirements of
P.C.S.A. Standard No. 2





DIMENSIONS



SPEED & GRADEABILITY

Transmission Range	Road Speed (MPH)	Drawbar Pull (lbs.)	Gradeability (%)
Low 1st	2.3	30,400*	78*
Low 2nd	4.4	16,159	42.5
Low 3rd	12.1	5,438	14.3
High 1st	5.5	12,708	33.4
High 2nd	10.5	6,343	16.6
High 3rd	28.7	1,846	4.8

*Limited by Rolling Resistance and Coefficient of Friction .8.

NOTE: All performance data is based on the standard machine and may vary plus or minus 10% due to variations in engine performance, vehicle and engine brake in, etc.
Road speeds are for the basic machine and may vary due to increased vehicle weight when optional equipment is installed.

SPECIFICATIONS

BOOMS - 17 ft. - 29 ft. 2 Section, Full Power Telescoping Boom
 *18 ft. - 42 ft. 3 Section, Full Power Telescoping Boom
 *21 ft. - 51 ft. 3 Section, Full Power Telescoping Boom
 *24 ft. - 60 ft. 3 Section, Full Power Telescoping Boom

BOOM NOSE - Fixed Boom Nose, 2 Sheave.

***JIBS** - 14 ft. "Stowaway" Type for 18 ft. - 42 ft. Boom
 17 ft. "Stowaway" Type for 21 ft. - 51 ft. Boom
 20 ft. "Stowaway" Type for 24 ft. - 60 ft. Boom

BOOM ELEVATION - Twin Double-acting Hydraulic Cylinders with Safety Holding Valves, 0° - 75° Elevation.

HYDRAULIC SYSTEM - 4 Pumps, Combined Capacity 128 GPM. Hyd. Pump Disconnect.

HYDRAULIC POWER DISTRIBUTION - [Main Hoist - Outriggers] [Swing - Telescope Mid and Fly - Rear Steer] [Boom Elevation - Auxiliary Hoist - Accessory] [Front Steer]

CONTROLS - Four-Way Double-acting Hydraulic Valves with Integral Load Check, Main and Circuit By-pass Relief Valves, Operating Pressure 2250 PSI (Max.)

HYDRAULIC RESERVOIR - 90 gallons, System Capacity 136 gallons.

WORKING WEIGHT
 Approximately 35,500 lbs.

With 24 ft. - 60 ft. Boom,
 20 ft. "Stowaway" Jib,
 Hook Block and Enclosed Cab.



SPECIFICATIONS

MAIN HOIST - Power Up and Dwn, Equal Speed Planetary Reduction with Integral Automatic Brake.

MODEL - 40 SECR

DRUM 9 in. diameter
 8 in. length
 17 1/2 in. diameter flange

DRUM CAPACITY 400 ft. of 1/2 in. cable
 250 ft. furnished with hoist

PERFORMANCE - Single Line Speed - 290 FPM (max.)
 125 FPM - Full Load (bare drum)
 Single Line Pull - 9,000 lbs. (max.)
 Permissible Line Pull - 7,200 lbs.

***AUXILIARY HOIST** - 40 SECR (less Cable).

ENGINE SPECIFICATIONS -

MAKE	GAS	*GAS	*DIESEL	*DIESEL
Ford 300	Ford 300	Ford 300	GM453N	Cummins V-352-C130 (HT)
6 Cylinder O.H.V.	6 Cylinder O.H.V.	6 Cylinder O.H.V.	4 Cylinder O.H.V.	V6 Cylinder O.H.V.
4.00 in. x 3.98 in.	4.00 in. x 3.98 in.	4.05 in. x 3.79 in.	3.875 in. x 4.50 in.	4.625 in. x 3.50 in.
300 cu. in.	300 cu. in.	391 cu. in.	212 cu. in.	352 cu. in.
123 @ 2800 RPM	171 @ 2800 RPM	171 @ 2800 RPM	112 @ 2800 RPM	114 @ 300 RPM
2800 RPM	2800 RPM	2800 RPM	2800 RPM	3000 RPM
253 lbs.ft. @ 1800 RPM	346 lbs.ft. @ 2100 RPM	257 lbs.ft. @ 1800 RPM	225 lbs.ft. @ 1800 RPM	225 lbs.ft. @ 1800 RPM
12 volt	12 volt	12 volt	12 volt	12 volt
4 cycle, naturally aspirated	4 cycle, naturally aspirated	4 cycle, naturally aspirated	2 cycle, with blower	4 cycle, naturally aspirated
Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled

FUEL CAPACITY - 49 gallons

SWING - 360° Continuous Rotation, Ball Bearing Swing Circle with External Gear, Gear Reducer driven by Hydraulic Motor Automatic Swing Brake.

***CAB** - All steel fully enclosed, skylight, safety glass windows, weather stripped, electric windshield wiper and heater. Left and right hand doors.

MAIN FRAME - 18 in. rectangular box section; all welded and reinforced.

TRANSMISSION and TORQUE CONVERTER - Clark Powershift, 2 Wheel - 4 Wheel Drive integral with Range Shift. (Low Range 4 Wheel) (High Range 2 Wheel).

SPEEDS - 6 forward and 6 reverse.

OVERALL WIDTH - 8 ft.

TURNING RADIUS - 19 ft.

FRONT AXLE - Planetary drive. (Does not oscillate).

REAR AXLE - Planetary drive, with 0 in. to 12 in. oscillation.

OSCILLATION LOCKOUTS - Hydraulic automatically controlled.

SERVICE BRAKES - Type - Power assist hydraulic, activated on all four wheels.
 Size - 17 in. x 4 in.

PARKING BRAKES - Mechanical, on Front Axle.
 Size - 13-3/8 in. x 2 in.

STEERING - Front - Power assist hydraulic, wheel control.

Rear - Full hydraulic, tiller bar control located on control console.

TIRES - 17.5x25 - 14 ply Power Grader Lug (nylon) tubeless.

*14.00x24 - 16 ply Power Grader Lug (nylon) tubeless.

*20.5x25 - 14 ply.

OUTRIGGERS - Four, one at each corner, individually and independently controlled from operator's position. Hydraulic, with integral safety check valves. Width from centerline to centerline of outrigger pads - 12 ft. - 6 in. extended.

***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.