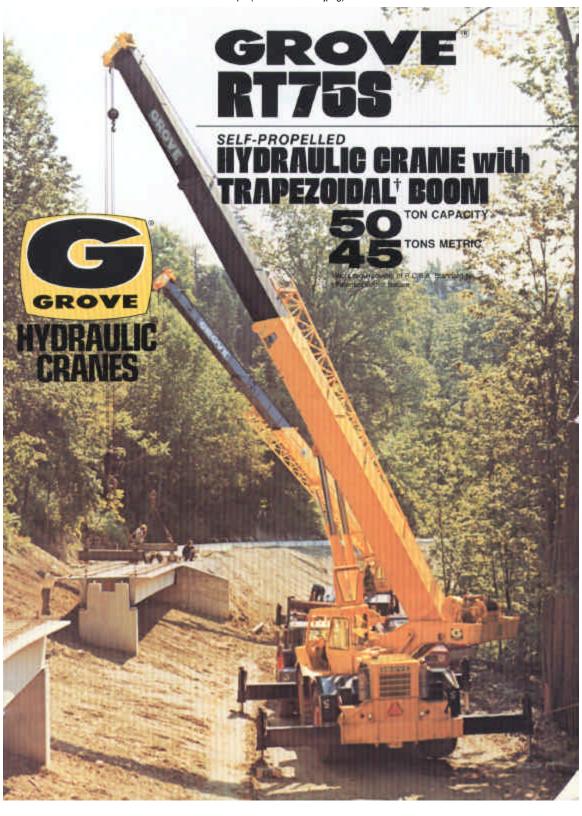
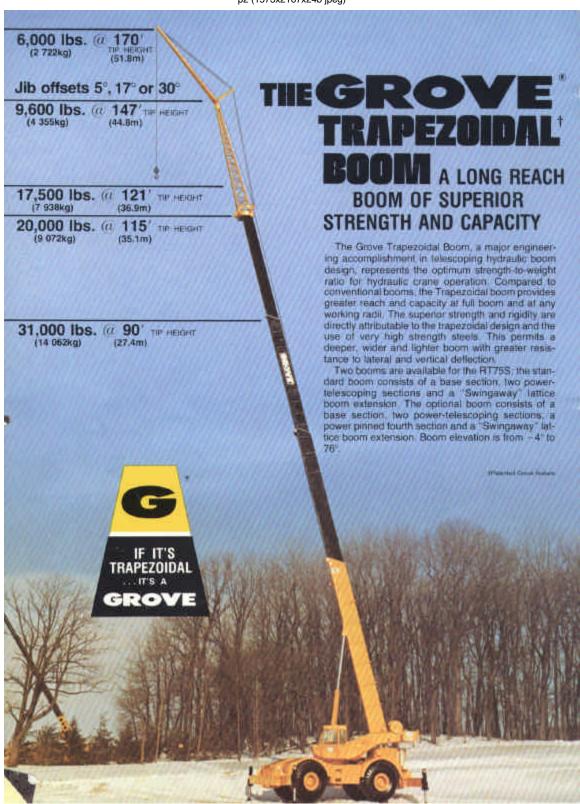


p1 (1573x2167x24b jpeg)





p2 (1573x2167x24b jpeg)





p3 (2240x3235x2 bmp)



SPECIFICATIONS

- BOOM 34 ft. 116 ft. (10.4m 35.4m), 4-section boom; 2 full power trapezoidal sections to 84 ft. (25.6m) plus a 32 ft. (9.7m) "Swingaway" lattice extension. Integral check valves on each telescoping cylinder. "35 ft. 142 ft. (10.7m 43.3m), 5-section boom, 2 full power and 1 power prinned trapezoidal sections to 110 ft. (33.5m) plus a 32 ft. (9.7m) "Swingaway" lattice extension. Integral check valves on each telescoping cylinder. Boom telescope sections are individually controlled. Each boom section is supported on graphite impregnated nylatron wear pads.

 BOOM NOSE Four 15 in. (381mm) tread diameter sheaves mounted on heavy duty tapered roller bearings. Removable pin type rope guards permit
- heavy duty tapered roller bearings. Removable pin type rope guards permit easy reeving. Rope dead ends on each side of the boom nose. '(Single sheave (15 in. or 381 mm tread dia), auxiliary boom nose mounted to main boom nose with removable pin type rope guard for single part line
- BOOM ELEVATION Dual double-acting hydraulic cylinders with integral holding valves; elevation from 4° to 76°. Combination controls provided for
- *LOAD MOMENT AND ANTI-TWO BLOCK SYSTEM (KRUGER) -
- *LOAD MOMENT AND ANTI-TWO BLOCK SYSTEM (KRUGER) Audiovisual warning in combination with Grove control lever lockout of: hoist up, boom telescope out, and boom down functions.
 *JIB A 24 ft. (7.3m) A-frame section which attaches to the sheave shaft of the 32 ft. (9.7m) swingaway lattice boom extension. The jib can be offset from a minimum of 5° to a maximum of 30° and includes mast, pendant lines, single-rope self-equalizing suspension; no stowable.
 SWING Ball bearing swing circle, 360° continuous rotation. Grove Planetary "Gilde Swing" with foot operated disc swing brake, hand operated plunger type turntable lock. ("Non-free swing optional) swing speed 2.6 RPM.

- type turnlable lock. (*Non-free swing optional) swing speed 2.6 RPM.

 COUNTERWEIGHT Removable, bolted to turntable mast, stationary, Weight varies with hoist configurations . . . 5,300 lb. (2404kg) with no auxiliary, 4,500 lb. (2041kg) with model 15S or 11 SGECR auxiliary, 3,700 lb. (1678kg) with model 32S auxiliary hoist.

 CAB Turntable-mounted on vibration and sound-absorbing rubber grommets, full vision, all steel, fully enclosed, acoustically treated with tinted tempered safety glass, stinged skylight are tinted laminated safety glass), stiding left side door and sliding right side window for ventilation. Full length control levers, fully adjustable operator's seat. Complete engine instrumentation and operating controls. Combination hand and foot controls for engine throttle and boom elevation. All-crane superstructure and outrigger controls, outrigger sight leveling bubble, electronic boom angle indicator with high and low angle presets and audio-visual warning, 20,000 BTU diesel fuel heater, forced hot air defroster, electric windshield wiper, domelight, dashlight, air horn, front cab mounted worklights, door and window locks, 3¾ lb. (1.7kg) dry type fire extinguisher.
- 334 lb. (1.7kg) dry type fire extinguisher.

 CAB INSTRUMENTATION Engine oil pressure gauge, engine water temperature gauge, voltmeter, electric fuel gauge, electric tachometer, air pressure gauge, transmission and torque converter oil temperature gauge.
- OUTRIGGERS Hydraulic double-box integral with main frame; telescoping beams, vertical jacks with integral check valves and mechanical spin locks on each vertical jack to secure outrigger jacks at any level. Beams extend to

- 21 ft. (6.4m) centerline-to-centerline, retract to 9 ft. 5 in. (2.9m). Independent or simultaneous control in-out-up-and-down. Outrigger controls in operator's cab. Sequence control arrangement eliminates accidental actuation. 24 in. dia. (610mm) high-strength steel floats with storage racks.
- MAIN FRAME All-welded construction with full depth longitudinals braced by cross-members. Frame reinforced at critical points to insure a rigid turntable mounting. Front and rear lifting, towing and tie down lugs are integral with the main frame.
- TRANSMISSION AND TORQUE CONVERTER Engine-mounted converter 1.82:1 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 mounted rigid to frame. Rear: Planetary drive/steer pivot mounted to allow 0 in. to 10 in. (254mm) oscillation (no-spin
- OSCILLATION LOCKOUTS Automatic hydraulic on rear axle. Allows oscilla-
- OSCILLATION LOCKOUTS Automatic hydraulic on rear axie. Allows oscillation only with boom over front.

 SERVICE BRAKES Full air on all four wheels.

 Size: 204 in. x 4 in. (514mm x 102mm) with 36 sq. in. (232cm²) chambers.

 PARKING BRAKES Front and rear axles equipped with spring set air-released emergency/parking chambers.

 STEERING Front: Power assist hydraulic control.

 Rear: Full hydraulic, tiller bar control. Independent front and rear steer control. allows maximum meneuvershility.

- Rear: Full hydraulic, tiller bar control. Independent front and rear steer control allows maximum maneuverability.

 TIRES 29.5 x 25 22 ply wide base; earth-mover type, tubeless. *26.5 x 25 26 ply and 29.5 x 25 28 ply wide base; earth-mover type, tubeless.

 *TOW WINCH. Braden PD 15 planetary, front-mounted, cat-controlled, 15,000 lb. (6804kg) single line pull and 59 ft./min. (18m/min.) single line speed. Drum rope storage capacity is 340 ft. (103.6m) of % in. (16mm) dia. rope (less rope and hook).

 HYDRAULIC SYSTEM:

- DRAULIĆ SYSTEM: RESERVOIR 154 gallon (583 liter) capacity, all-steel welded construction with integral baffles, clean-out access and exterior oil level gauge. FILTER Full flow return line replaceable cartridge with by-pass protection and filter by-pass indicator. 25 Micron rating. PUMPS 4 main gear pumps. 146 GPM capacity (553 LPM). Power steering pump 18.7 GPM capacity (71 LPM). Pump disconnect level operated from carrier deck. CONTROL VALVES Precision four-way double-acting with integral load check, main and circuit relief valves. Four individual valve banks permitting simultaneous independent control of four crane functions. Maximum operating pressure 2500 PSI (17.58kg/cm²).
- permitting simultaneous independent control of four crane functions.

 Maximum operating pressure 2500 PSI (17.58kg/cm²).

 OIL COOLER Full flow, fin and tube, oil to air.

 POWER DISTRIBUTION (Main hoist, "auxiliary hoist boost) (Boom elevation, mid telescope, main hoist boost, "auxiliary hoist) (Fly telescope, rear steer, boom elevation boost) (Swing) "Model 32S-1716A
- MISCELLANEOUS STANDARD EQUIPMENT Complete light package, tool box and storage well, fenders, hook-block tie down, ether injection cold starting aid, chassis mounted rear view mirrow, asbestos wrapped mufflers.

*Denotes optional equipment

HOIST SPECIFICATIONS

| HOIST DATA MAIN and/or *AUXILIARY HOIST GROVE MODEL 32S-1716A Drum Dimensions 16 in. diameter (406mm) 16 in. length (406mm) 24 in. flange dia. (610mm) | | *AUXILIARY HOIST Grove Model 158-16B | *AUXILIARY HOIST (CONTROLLED FREE FALL) MODEL 11 SECR 9 in. diameter (229mm) 13 in. length (330mm) 17.5 in. flange dia. (445mm) | |
|---|---|--|--|--|
| | | 12 in. diameter (305mm) 16 in. length (406mm) 17.5 in. flange dia. (445mm) | | |
| Performance | High Speed Range Single line speed 525 FPM (160m/min) Single line pull 8,400 lbs. (3810kg) Low Speed Range Single line speed 265 FPM (80.8m/min) Single line pull 16,800 lbs. (7620kg) | Single line speed Single line pull 206 FPM 9,165 lbs: (63m/min) (4157kg) | Single line speed Single line pu 290 FPM 9,145 lbs. (88.4m/min) (4148kg) | |
| Drum Rope Storage Capacity | **650 Ft. of ¾ in. dia. rope (198.1m of 19mm) | 720 ft. of ½ in. dia. rope (219.5m of 13mm) 480 ft. of % in. dia. rope (146.3m of 16mm) | 675 ft. of ½ in. dia. rope (205.7m of 13mm) | |
| Permissible Single Line Rope Pull | % in. (19mm) 6 x 41 class – 14.605 lbs. (6625kg) % in. (19mm) 19 x 7 class – 13,700 lbs. (6214kg) | ½ in. (13mm) 19 x 7 class – 6,150 lbs. (2790kg) ½ in. (13mm) 6 x 37 class – 7,200 lbs. (3266kg) ¾ in. (16mm) 19 x 7 or 6 x 41 class – 7,926 lbs. (3595kg) | ½ in. (13mm) 19 x 7 class – 6,150 ibs. (2790kg) ½ in. (13mm) 6 x 37 class – 7,200 ibs. (3266kg) | |



p4 (2240x3227x2 bmp)

SPECIFICATIONS



ENGINE SPECIFICATIONS

*Cummins Diesel V555-C200 8 Cylinder O.H.V. 4.625 in. x 4.125 in. (117mm x 105mm) 555 cu.in. (9096cm³) *Caterpillar 3208 Diesel 8 Cylinder O.H.V. 4.5 in. x 5.0 in. (114mm x 127mm) 636 cu.in. (10 424cm³) MAKE & MODEL Detroit Diesel 6V-53N 6 Cylinder O.H.V. 3.875 in. x 4.50 in. (98mm x 114mm) 318 cu.in. (5212cm³) BORE & STROKE HORSEPOWER (NET) 170 @ 2500 RPM 176 @ 2600 RPM 178 @ 2600 RPM 2600 2500 2600 2600 380 lbs. ft. (54kg.m) @ 1850 RPM 12-Volt, Negative Ground 4 Cycle, Naturally Aspirated 392 lbs. ft. (55kg.m) @ 1500 RPM 12-Volt, Negative Ground 2 Cycle with blower 468 lbs. ft. (65kg.m) @ 1200 RPM 12-Volt, Negative Ground 4 Cycle, Naturally Aspirated ELECTRICAL SYSTEM
COMBUSTION SYSTEM
COOLING SYSTEM
FUEL CAPACITY
ALTERNATOR
BATTERY
AIR CLEANER
AIR COMPRESSOR 4 Cycle, Naturally Asp Liquid 60 Gallon (227 liters) 55 Amp, 12-volt (2) 204 A.H., 12-volt Dry Type 12 CFM Liquid 60 Gallon (227 liters) Liquid 60 Gallon (227 liters) 65 Amp, 12-volt (2) 204 A.H., 12-volt Dry Type 7.25 CFM 58 Amp, 12-volt (2) 204 A.H., 12-volt Dry Type 13.2 CFM AIR COMPRESSOR HOURMETER

*Denotes Optional Equipment

SPEED AND GRADEABILITY

| Forward Drive | Transmission Range | Gear Shift | Maximum Speed MPH KM/H | | Gradeability @ Stall (%) | Tractive Effort At Stall LBS. KG. | |
|---------------|-----------------------|---------------|---------------------------|----|-----------------------------|-----------------------------------|--------|
| 4 Wheel Drive | Low | 1st | 2.1 | 3 | 74.8 | 44,311 | 20 099 |
| 4 Wheel Drive | Low | 2nd | 3.9 | 6 | 32.3 | 23,407 | 10 617 |
| 4 Wheel Drive | Low | 3rd | 10.0 | 16 | 10.0 | 8,574 | 3889 |
| 2 Wheel Drive | High | 1st | 4.8 | 8 | 24.8 | 18,633 | 8551 |
| 2 Wheel Drive | High | 2nd | 8.8 | 14 | 11.8 | 9,826 | 4457 |
| 2 Wheel Drive | High | 3rd | 21.8 | 35 | 3.1 | 3.615 | 1639 |

NOTE: All performance data is based on standard machine and may vary plus or minus 10% due to variations in engine performance. Gradeability values above 45% are theoretical. Machine should be operated within limits of engine crank case design, 15° (GM), 30° (Cat), 40° (Cummins).

| Standard Machine | Total Weight | | Axle Weigh Front | | t Distribution | |
|--|------------------|------------------|---------------------|------------------|------------------|------------------|
| With | Lbs. | Kg | Lbs. | Kg | Lbs. | Kg |
| 34-116 ft. (10.4-35.4m) Boom 35-142 ft. (10.7-4.33m) Boom | 73,689 76,145 | 33 425 34 539 | 39,566 43,808 | 17 947 19 871 | 34,123 32,337 | 15 478 14 668 |

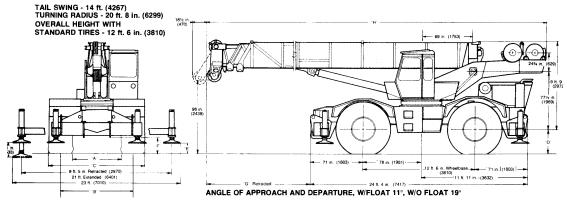
DIMENSIONS

| TIRE SIZE | "A" | "B" | "C" | "D" | "E" | "F" |
|-----------|--------|---------|-------------------------|-----------------|------------------|-----------------|
| 29.5 x 25 | | | 10 ft. 11 in. (3327) | 33 in. (838) | 14¼ in. (362) | 21 in. (533) |
| 26.5 x 25 | 67 in. | 97½ in. | | | 12¼ in. (311) | |

| "G" | , "H" |
|---------------|------------------------|
| 16 ft. 11 in. | 43 ft. 21/4 in. |
| (5156) | (13 164) |
| 18 ft. 1 in. | 44 ft. 4 in. |
| (5512) | (13 513) |
| | (5156) 18 ft. 1 in. |

Fender Width - 10 ft. 11 in. (3327)

• 32 ft. (9754) extension stowed



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.

Note: Figures in parentheses () are metric equivalents expressed in millimeters.



p5 (1497x2108x24b jpeg)













FEATURES

an important factor in Grove cab design, is illustrated at left. Notice the operator's unobstructed view of the load when the skylight is raised and the windshield is removed. There is no overhead cross-member to interfere with visibility. Also, the turntable mounting faces the operator towards the load at all times. Controls are conveniently arranged to assure maximum ease in performing all crane functions. Cab is mounted on vibration and sound absorbing rubber grommets and interior is acoustically treated.

ALL-WELDED FRAME of box-beam construction with full depth longitudinals, braced by cross-members and with integral outrigger boxes assures a strong rigid lifting piatform.

- LEVEL OUICKLY ON ANY TERRAIN with the long threat vertical jacks which are fitted with integral check valves to retain the jacks in their extended position. In addition to the integral check valve and for added safety, each vertical jack cylinder incorporates the exclusive Grove screw-lock which permits the outrigger jacks to be mechanically secured in any position throughout its stroke. Outriggers are of the double-box beam type and provide a spread of 21 ft. (6.4m). Durable, but lightweight high-strength steel floats are stored in compartments on each side of the machine.
- * TWO SPEED HOIST* ___ a Grove innovation which permits both high line pull and high line speed without changes in lagging or gearing. At the flick of the electropneumatic speedshift, the operator can change from maximum line pull (16,800 lbs.) (7 620kg) to top line speed (525 fpm) (160m/min.) On the RT7SS, the optional auxiliary hoist can be the same model as the main hoist providing dual capability.
- TOOL STORAGE is provided in a large storage compartment located forward on the chassis.

EASY MANEUVERABILITY is provided by 4-wheel steering and 4-wheel drive. To enhance flotation and traction characteristics for rough terrain operation, the HT75S has wide base lug-type earthmover tires.

 EASIER REEVING... removable pin-type-rope guards and negative boom angle permit quick and easy ground level reeving and work on hock block.

THE KRUGER LOAD MOMENT AND ANTI-TWO BLOCK SYSTEM (Optional) measures critical operational factors relative to rated capacity and provides a continuous visual display of conditions for the load. An easy-to-read color coded instrument indicates the approach of an overload or two-block condition and should overload or two-block occur, an audio-visual warning alerts the operator; the Grove "control lever lockout system" returns the control levers to neutral and permits the use of only those crane functions that will correct the condition.

OTHER FEATURES Include: integral check valves or holding valves on all load-bearing cylinders ... power-shift transmission with 6 speeds forward and raverse ... automatic oscillation lock-out, and to isolate and reduce operating noise levels, the control cab, engine-transmission package, and engine hood are all rubber shock-mounted.

The Projection Boom, Two Queen Horse, and Versical Jack Lock are personnel Gross Wateres.



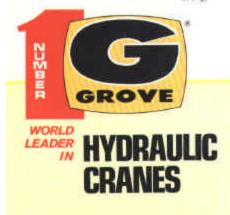
p6 (1481x2108x24b jpeg)



The "SwingAway" lattice boom extension stows laterally along side the boombase section and swings easily into working position to provide 121 (36.9m) tip height with the standard boom and 147' (44.8m) tip height with the optional boom.



In addition to excellent mobility on all types of fermin, the RT75S leatures low overall height, low center of gravity, excellent ground clearance and a GVW of approximately 74,000 bs. [33 566kg]



GROVE
Division of Walter Kode & Company, Invidence

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