

Lorain RT 350 D- Specifications

STANDARD CARRIER EQUIPMENT

OUTRIGGERS

POWRSPAN® out and down fully independent hydraulic outriggers extend 20 ft 3 in. centerline to centerline. Easily removable steel floats, each with an area of 254 in² (1639 cm²), stow on the carrier frame. Complete controls and sight leveling bubble are located in the operator's cab.

WHEELS & TIRES

Disc type wheels with full tapered bead seat rim, 137 in. (348 m) wheelbase with full width fenders standard.

Tires

16.00 x 25, 28 P.R. (standard) 18.00 x 25, 28 P.R. (optional) 23.50 x 25, 20 P.R. (optional).

BRAKES

Air/hydraulic disc brakes on each wheel. Total brake area: 1300 in.² (8387 cm²). The combination parking brake and emergency brake is a spring-applied, air released disc operating brake on the transmission output shaft. Parking brake automatically engages when ignition is switched off or switch in cab is manually actuated.

HYDRAULIC SYSTEM

HYDRAULIC PUMPS

Three gear type pumps, one single and two in tandem, driven off the transmission. Combined system capability is 119 gpm (450 lpm). Includes pump disconnect.

Main and Auxiliary Winch Pump

59.5 gpm (225.2 lpm) @ 3,500 psi (246.1 kg/cm²)

Boom Hoist, Telescope Pump

38.5 gpm (145.7 lpm) @ 2750 psi (193.3 kg/cm²)

Power Steering, Outrigger and Swing Pump

21 gpm (79.5 lpm) @ 2500 psi (175 kg/cm²)

FILTRATION

Full flow oil filtration system with bypass protection includes a removable 100 mesh (140 micron) suction screen-type filter and 5 micron replaceable return line filter.

HYDRAULIC RESERVOIR

All steel, welded construction with internal baffles and diffuser. Provides easy access to filters and is equipped with an external sight level gauge. The hydraulic tank is pressurized to aid in keeping out contaminants and in reducing potential pump cavitation. Capacity is 112 gal (424 liters). Swing-away hydraulic oil cooler is standard.

OPTIONAL EQUIPMENT

Cold Weather Starting Aid • Immersion Heater • Rear Axle Centering Light • Pintle Hook • Air Dryer • Fuel Water Separator • Clearance Lights

MAIN WINCH SPECIFICATIONS

Lorain built hydraulic winch with planetary reduction gearing provides two-speed operation with equal speeds for power up and down. Winch is equipped with an integral automatic brake.

PERFORMANCE

Max. line speed (no load)

First layer

Fifth layer

LO-RANGE

177 fpm (54 m/min)

257 fpm (79 m/min)

HI-RANGE

293 fpm (89 m/min)

428 fpm (130 m/min)

Max. line pull — First layer

Permissible line pull

14,000 lbs (6350 kg)

9,500 lbs (4309 kg)

DRUM DIMENSIONS

10.5 in (267 mm) drum diameter

20.9 in (531 mm) length

19.8 in (503 mm) flange dia

Cable: 1/2 in x 500 ft (15.9 mm x 137.2 m)

Cable type: 6 x 19 IWRC-XIPS regular lay preformed

DRUM CAPACITY

Max. Storage: 899 ft (274 m)

7th layer not working layer

Max Useable: 738 ft (225 m)*

*Based on minimum flange height above top layer to comply with ANSI B30.5.

OPTIONAL AUXILIARY WINCH

Lorain hydraulic winch, power up and down, equal speed, planetary reduction with integral automatic brake.

PERFORMANCE

Max. line speed (no load)

Fifth layer

Max. line pull

First layer

338 fpm (103 m/min)

10,100 lbs (4582 kg)

DRUM DIMENSIONS

10.5 in (267 mm) drum diameter

16.1 in (409 mm) length

17.8 in (452 mm) flange diameter

Cable: 1/2 in x 500 ft (12.7 mm x 152.4 m)

Cable type: 6 x 19 IWRC-XIPS regular lay preformed

DRUM CAPACITY

Max. storage: 815 ft (248 m)

ENGINE SPECIFICATIONS

Make and Model	Cummins 6BT5.9
Type	6 cylinder
Bore and Stroke	4.02 x 4.72 in (102 x 120 mm)
Displacement	359 cu in (5.9 l)
Max. Gross Horsepower	160 hp (118 kw) @ 2500 rpm
Max. Gross Torque	396 lbs-ft/1700 rpm
Net Horsepower	144 hp (107 kw) @ 2500 rpm
Aspiration	turbocharged
Air Filter	dry type
Electrical System	12 volt
Alternator	102 amp
Battery	(2) 12V-1250 C.C.A.
Fuel Capacity	50 gal (189 l)

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