LCD180 Terex

18 Ton Crane

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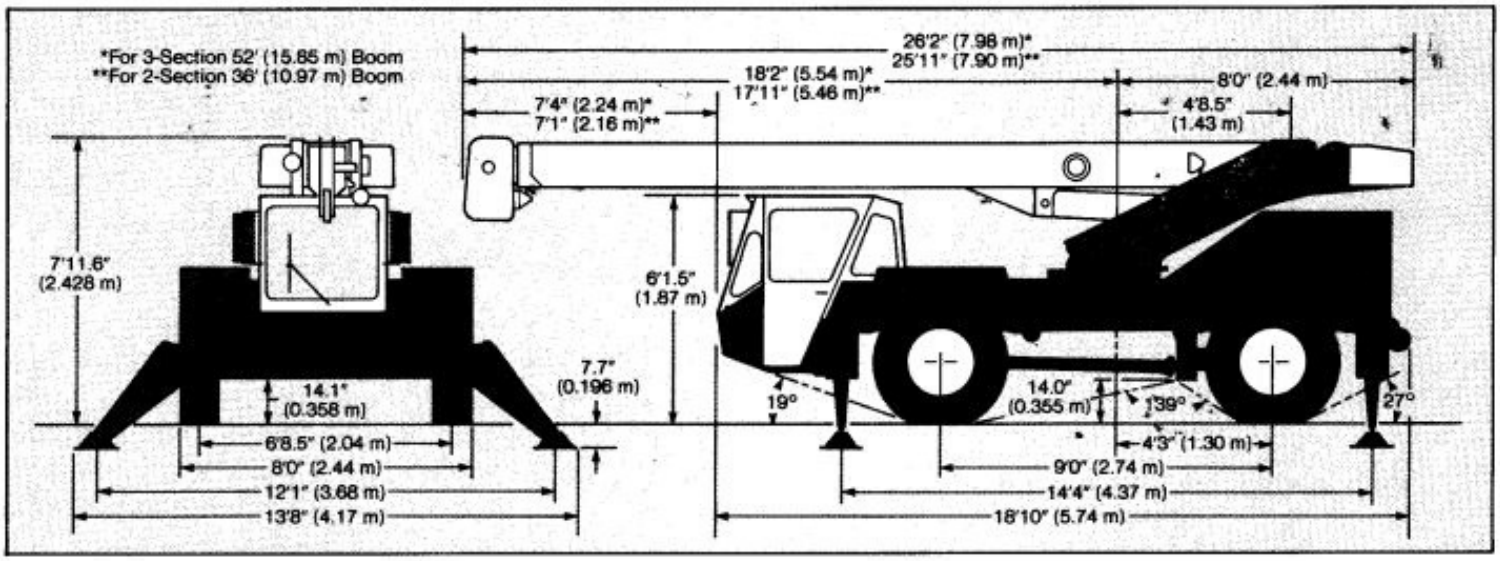
LORAIN® LCD SERIES—COMPACT, POWERFUL, VERSATILE

DIMENSIONS (standard-equipped)



SPECIFICATIONS (standard-equipped)

Swing Speed	2.9 rpm
Gross Vehicle Weight	24,725 lbs (11 215 kg)*
Engine	
Model	Cummins 4B3.9
Type	4-cylinder, water-cooled, nat. aspirated
Bore & Stroke	4.02 x 4.72 in. (102.1 x 119.9 mm)
Total Displacement	239 cu in (3917 cc)
Max. Gross H.P.	80 hp @ 2800 rpm
Net H.P.	62 hp @ 2800 rpm
Max. Gross Torque	184 lbs•ft/1200 rpm (25.4 kg•m/1200 rpm)
Starting System	24 volt
Fuel Tank Capacity	44 gallons (166 litres)

*Add 590 lbs. (268 kg) for optional 15 ft. (4.57 m) swing-on jib. Gross vehicle weight for LCD 150 with optional 52.3 ft (15.94 m) boom and 15 ft. (4.57 m) jib is 27,255 lbs. (12 363 kg).

ENGINE PERFORMANCE

Gear	Forward Drive	Maximum Speed	Maximum Tractive Effort	Gradeability @ Stall
1	2 or 4	3.5 mph (5.6 km/h)	19,469 lbs (8831 kg)	102.6%
2	2 or 4	6.7 mph (10.8 km/h)	10,267 lbs (4657 kg)	40.4%
3	2 or 4	12.2 mph (19.6 km/h)	5,590 lbs (2536 kg)	19.9%
4	2 or 4	20.7 mph (33.3 km/h)	3,008 lbs (1364 kg)	9.6%

HYDRAULIC EQUIPMENT

Pumps	Two gear type pumps in tandem, driven off transmission. Combined system capacity is 39 gpm (148 l/min). 1—21 gpm (80 l/min) @ 2750 lbs/in² (210 kg/cm²) for steer swing, boom hoist, telescope, outrigger, and winch boost. 1—18 gpm (68 l/min) @ 2650 lbs/in² (185 kg/cm²) for winch
Swing Motor	Geroler type
Boom Hoist Cylinder	8.5" (22 cm) bore x 3.5" (8.9 cm) rod x 39.3" (100 cm) stroke
Reservoir Capacity	24 gallons (91 litres)
System Capacity	43 gallons (163 litres)
Filtration	10 micron return line filter 140 micron suction element

WINCH PERFORMANCE

Max. Line Speed (no load)	
First Layer	177 fpm (54 m/min)
Fourth Layer	236 fpm (72 m/min)
Full Drum	275 fpm (84 m/min)
Max. Line Pull	
First Layer	7460 lbs (3384 kg)
Fourth Layer	5600 lbs (2540 kg)
Full Drum	4800 lbs (2177 kg)
Permissible Line Pull	6350 lbs (2880 kg)
Drum Dimensions	
Diameter	8.5 in (216 mm)
Length	12.2 in (311 mm)
Flange Diameter	14.6 in (370 mm)
Drum Capacity	
Max. Storage	439 ft (134 m)
Max. Useable	350 ft (107 m)*
Cable	0.50 in x 275 ft (12.7 mm x 84 m)

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