

# ML8090

II  
SERIES  
II

## 90-ton (80.0 mt) Rough Terrain Crane

- Full power latching boom with quick reeve boom head
- 38-140 ft (11.6-42.7 m) five section, full power latching boom with quick reeve boom head
- Boom wear pads have Teflon pucks that lubricate the boom sections (no grease)
- Three boom extend modes.
- No charted capacity reductions for telescoping loads.
- 35-58 ft (10.7-17.7 m) two piece, on-board lattice fly with 2°, 15°, 30°, and 45° offsets
- One 16 ft (4.9 m) lattice insert plus 58 ft (17.7 m) two-piece offsettable fly option
- Two 16 ft (4.9 m) lattice inserts plus 58 ft (17.7 m) two-piece offsettable fly option
- No deducts for stowed attachments
- 238 ft (72.5 m) maximum tip height
- 16,880 lbs (7 656.6 kg) maximum winch line pull
- 459 fpm (139.9 m/min) maximum winch line speed
- Next generation operator's cab with improved visibility and ergonomics
- 225 hp (168kW) Caterpillar engine with 724 ft-lbs (981J) of torque
- Spicer 6-speed power shift transmission
- 4x2 and 4x4 drive with 29.5x25-28PR tires
- Four steering modes: independent front, combination, crab, and independent rear
- 4 link rear suspension with optional hydro-gas suspension
- Modular counterweight design for multiple transport and lift scenarios



# RTC 8090



## 90-ton (80.0 mt) Rough Terrain Crane

### Remarkable control, reliability and capacity performance

- **Caterpillar C6.6 electronic engine** with 225 hp (168 kW) provides 724 lb-ft (981 Nm) of torque
- Electronic throttle for improved throttle response
- **Two automotive-style batteries** linked in parallel provide 700 cold cranking amps each for cold weather starting
- Rugged, lightweight **steel pontoons**
- Hydraulic disc brakes for both service brakes and parking brake
- **Metri-Pak wire harnesses** have sealed relays and connectors throughout for outstanding long-term reliability. All wires have flame retardant polyethylene insulation, resulting in a higher heat resistant wiring system.

### 5-section full power latching boom with attachment flexibility

- 38-140 ft (11.6-42.7 m) **five-section boom** with three extend modes.
- No charted capacity reductions for telescoping loads.
- **Boom wear pads** have Teflon pucks that lubricate the boom sections (no grease)
- **Maximum tip height** is 238 ft with the attachment and main boom used in combination
- Optional 35 ft (10.7 m) **one-piece lattice fly** and optional 35 ft to 58 ft (10.7 m to 17.7 m) **two-piece bi-fold lattice fly** are offsettable to 2°, 15°, 30° and 45°.
- Optional 16 ft (4.9 m) lattice insert used alone or with 58 ft (17.7 m) two-piece offsettable fly
- Optional two 16 ft (4.9 m) lattice inserts plus 58 ft (17.7 m) two-piece offsettable fly



### Operator cab features

- **Extra large front window** almost seamlessly merges into the roof window
- **Sliding left side door**, right and rear windows, and swing up top window provide excellent ventilation
- **All gauges, switches, indicators, and controls** are placed in the operator's forward line of sight for excellent ergonomics
- **All gauges and switches are backlit** for excellent visibility when the cab working lights are switched to the on position
- **Integral rated capacity limiter** aids operator in safe and efficient operation by continuously monitoring boom length, boom angle, head height, radius of load, machine configuration, allowed load, and percent of allowed load.
- Available — **Integrated air conditioning** utilizes the same ventilation outlets as the standard heating system



### Powerful hydraulics

- For greater productivity and control, the **five-pump hydraulic circuit** allows simultaneous function of boom hoist, winch and swing.
- Piston motor hydraulic hoist system delivers **superior hoisting**. Matched sizes of main and auxiliary winches provide equal maximum available line pulls of 16,880 lbs (7 656.6 kg) and maximum line speeds of 459 fpm (140 m/min) on 16" (40.6 cm) root diameter drums.



### Job site maneuverability

- **CALC** — Outrigger beams have three different stages (retracted, intermediate, and fully extended) providing lifting capacities in confined areas.
- **Steering modes** are chosen and performed with the steering wheel and include independent front steer, independent rear, four wheel steer, and "crab" steering.

Link-Belt Construction Equipment Company - Lexington, Kentucky  
www.linkbelt.com

© Link-Belt is a registered trademark. Copyright 2006. All rights reserved.  
We reserve the right to change designs and specifications at any time.  
Litho in U.S.A. 10/06 474 #4328

