

RTG 8050

II
SERIES
II

50-ton (45.36 mt) Rough Terrain Crane

- 50 tons (45.36 mt) at 10 ft (3.05 m) radius
- 35.5-110 ft (10.82-33.53 m) 4-section boom with quick-reeve boom head
- Two boom extend modes – A-max and standard lifting capacities
- 28-5-51 ft (8.69-15.54 m) two piece, on-board fly with 2°, 20°, and 40° offsets
- No deducts for stowed attachments
- 168 ft (51.21 m) maximum tip height
- 15,390 lbs (6 980 kg) maximum winch line pull
- 455 fpm (139 m/min) maximum winch line speed
- Next generation operator's cab with improved visibility and ergonomics
- 165 hp (123.0 kW) Cummins engine with 440 ft-lbs (597 J) of torque
- Funk 8 speed automatic transmission
- 4x2 and 4x4 drive with 23.5x25-20PR tires
- Four steering modes: independent front, combination, crab, and independent rear
- 4 link rear suspension with optional hydro-gas suspension
- Travel/working weight under 78,000 lbs (35 380.2 kg)



RTC 8050 SERIES II

50-ton (45.36 mt)
Rough Terrain Crane

Remarkable control, reliability and capacity performance

- Cummins 6BT electronic engine with 165 hp (123 kW) provides 440 lb-ft (597 Nm) of torque
- Electronic throttle for improved throttle response
- Two automotive-style batteries linked in parallel and 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.

4-section full power boom with attachment flexibility

- Full power 35.5 ft to 110 ft (10.8 m to 33.5 m) four-section boom with two extend modes: A-max and fully synchronized
- Maximum tip height is 168 ft (51.2 m) with the attachment and main boom used in combination
- Optional 28.5 ft (8.7 m) one-piece lattice fly and optional 28.5 ft to 51 ft (8.7 m to 15.5 m) two-piece bi-fold lattice fly are offsettable to 2°, 20°, and 40°.



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 four-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 15,390 lbs (6 980 kg) and maximum line speeds of 455 fpm (138.7 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.

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