Patented boom design

Embosed Sidewall Stiffeners With No-Weld Corners

**Boom Concept**
The arrangement of high strength angle chords (corners) with high formability steel sidewall (embossments) places the most steel at corners where maximum stress is concentrated. The result: maximum strength with minimum weight.

**Embosed Sidewall Stiffeners**
Increases sidewall stiffness.

**Sidewall Design Concept**
Not only do the embossments increase sidewall stiffness, but because of their placement they naturally transfer stresses uniformly to the high strength angle chords (corners) — a concept derived from Link-Belt lattice boom technology.

**Boom Wear Shoes**
Boom wear shoes are replaceable without boom disassembly and utilize simple, fast external adjusters.

**Attachment Flexibility**
- Full power, fully synchronized 35° 6" — 110° 0" (10.82 — 33.53 m)
- Four-section boom
- Stowable, 34° (10.36 m) offsettable (1°, 15°, or 30° offset), one piece lattice type fly. Available with legs to allow addition of second section.
- Stowable, 34°—56° (10.36 m—17.07 m) offsettable (1°, 15°, or 30° offset) 2 piece, double swing-around, lattice type fly.

**Added Value Attachment Features**
- **Hammerhead Boom Base** Allows the operator to work at high boom angles without touting wire rope.
- **Deflector Rollers** Prevent premature wire rope wear when working at low boom angles.
- **Lightweight Nylon Head Sheaves** Reduce overall machine weight and increase lift capacities.
- **Available Auxiliary Lifting Sheave** Can be used for quick lifts with one or two parts of line when the boom head has multiple reeving. And it does not have to be removed when fly is erected in working position.

**RTC-8060**

Rough Terrain Telescopic Boom Crane
60-tons (54.43 mt)

- 60-ton (54.43 mt) at 105 (31.0 m) radius
- 69,301 lbs (31,006 kg) GWM — fully loaded
- 35° 6” — 110° 0” (10.36 m — 33.53 m) four-section, full-power telescopic boom with quick move boom head
- A-max capacities
  - 34° one-piece or 34°—56° (10.36 m—17.07 m) twin-section, offsettable to 1°, 15°, and 30° (optional)
  - 172° (22.43 m) maximum tip height
  - Combined area lifting capacities (CALC™)
  - Environmental cab
  - Rated Capacity Limit Micropump 84A
  - Cummins 6CT 8.3L
  - 210 hp engine
  - Clark powervift transmission
  - Pre-painted

Link-Belt Construction Equipment Company | Lexington, Kentucky

© Link-Belt is a registered trademark. We are currently improving our products and therefore reserve the right to change designs and specifications. Visit us in U.S.A. @HC500
Introducing the new RTC-8060

Featuring unmatched customer benefits such as the Confined Area Lifting Capacities (CALC™) System, Full Power Four-Section Boom, and Integral Rated Capacity Limiter (RCL).

Operator Control Center
Designed for maximum operator comfort and control with these features:
- Drum Rotation Indicators – Inform operator of drum rotation at all times.
- Tilt/Telescoping Steering Wheel
- Foot Control – For engine throttle, swing brake and travel brake. Optional foot control for boom hoist available.

Low Effort Control Levers
- Foot Control – For engine throttle, swing brake and travel brake. Optional foot control for boom hoist available.

Additional Cab Features Include:
- Sound suppressed environmental cab.
- Large front and door windows for excellent visibility.
- Tinted glass.
- Sliding right side and rear windows and swing-up top window provide excellent ventilation.

Integral Rated Capacity Limiter
This “RCL” system aids the operator in safe and efficient operation by continuously monitoring boom length, boom angle, head height, radius of load, machine configuration, allowed load, actual load, and percent of allowed load. This Micoguard 434 graphic audio-visual system features improved access time, improved radio frequency shielding, a new display panel with large liquid crystal alphanumeric display, fully system override capabilities to provide for rigging requirements and an expanded memory which provides capacity information on all possible lift configurations.

An exclusive new feature available on the RTC-8060 is the Operator Defined Area Alarm. By setting two points, the operator creates an imaginary vertical plane to maintain a safe working distance from nearby obstacles. Should the operator attempt to operate the crane beyond the plane, the RCL will sound an alarm.

An optional graphic display bar, positioned near the top of the windshield for optimum viewing during crane operation, is available. This bar constantly alerts the operator of the current lift capacity situation through a series of green (within capacity range), yellow (approaching 90% chart limit), and red (100% of chart limit) lights.

State-of-the-Art Wire Harness
The RTC-8060 has automotive-type wire harnesses with sealed relays and connectors throughout for outstanding long term reliability. In addition, all wires have a flame retardant, polyethylene insulation, resulting in a higher heat resistant wiring system.

Industry first innovations...

Confined Area Lifting Capacities (CALC™) System

The RTC-8060 rough terrain crane is specifically designed to allow contractors to work in confined work areas where full extension is not possible. The CALC™ system provides the operator with three outrigger positions (full extension, intermediate, and fully retracted). Outriggers may be extended to an intermediate position where working area is limited or, in extremely tight quarters, lifts can be made with outriggers fully retracted. In the fully retracted outrigger mode, lift capacities are significantly improved over the full first configuration because of the ability to fully load the machine, no matter the ground conditions.

Operator Cab Dash
Dash panel provides easy control access for the operator. Convenitely located, this panel houses control levers and switches for wiper, fan, lights, steering mode select, ignition, throttle lock, and outrigger functions. Mechanical controls are provided for 360° swing lock and travel swing lock. Toggle switches are rubber encased for protection against dust and moisture. Comprehensive and easy to read gauges monitor hydraulic oil temperature, battery, charge, fuel level, water temperature, engine oil pressure, air pressure and transmission temperature. And a standard sight level bubble aid in machine setup.

Full Power Boom With Exclusive A-max Mode

A customer benefit which enhances the 8060’s performance and provides the operator the capability to match the crane’s configuration to specific job conditions. For maximum lift height the basic boom extension mode offers a full power, synchronized mode of telescoping all sections proportionally 110’ 0” (33.53 m). To enhance performance, the exclusive A-max mode (or mode A) extends only the inner mid section to 60’ 3” (18.30 m) offering substantially increased capacities for in-close, maximum capacity picks.
Superior controllability, performance, and reliability...it’s a Link-Belt!

Power Train
Utilizing a standard Cummins engine and Clark transmission translates to maximum parts availability as these components are common to many drive trains used in the construction industry. The Cummins 210 horsepower (156.6 kW) engine is coupled to a Clark 9-speed forward, 2-speed reverse transmission. This electric over hydraulic transmission is far superior to air shift which have the potential to freeze up in cold weather conditions.

Jobsite Maneuverability
Maneuvering the RTC-8060 on the job site is made easier with independent controls for steering. Steering modes include independent front steer, four wheel coordinated steer and "on/off" steering for tight job site situations. All steering wheel controlled.

Superior Hydraulics
Multi-Function Control for greater productivity and control, the three pump hydraulic circuit allows simultaneous function of boom hoist, winch and swing...setting the standard in the 60-ton class.

Simplified Routings
The RTC-8060 incorporates simplified hydraulic routings for easy access. Fittings and connections are staggered where necessary for quick and easy servicing.

Serviceability
Standard quick disconnects installed at various locations in the hydraulic system allow the hydraulic pressure to be quickly and easily checked with Link-Belt’s exclusive diagnostic gauge kit (optional).

State-of-the-Art Oil Seal Technology
The RTC-8060 features improved seals on boom hoist, boom extend retract, and outrigger jack cylinders. This new “redundant” oil seal technology incorporates 3 rod sealing surfaces versus one or two found on competitive models. This new seal design is highly resistant to side loading and pressure spikes for outstanding sealing performance and, incorporated with full o-ring face seal “ORFS” technology when used throughout the machine, leads to an environmentally dry system.

Hoist System
Delivers superior hoisting to the 60-ton rough terrain class. Model 2M main winch with two speed motor and automatic brake; power up/down mode of operation. Bi-directional gear-type hydraulic motor, driven through a double planetary reduction unit provides precise, smooth load control with minimal engine rpm. Matched sizes of main and auxiliary winches provide equal maximum available line pull of 16,200 lbs. (7348 kg) and maximum line speeds of 474 fpm (144 m/min) on 17” (43 cm) radius grooved drums.

State-of-the-Art Oil Seal Technology
The RTC-8060 features improved seals on boom hoist, boom extend retract, and outrigger jack cylinders. This new “redundant” oil seal technology incorporates 3 rod sealing surfaces versus one or two found on competitive models. This new seal design is highly resistant to side loading and pressure spikes for outstanding sealing performance and, incorporated with full o-ring face seal “ORFS” technology when used throughout the machine, leads to an environmentally dry system.

Superior Hydraulics
Multi-Function Control for greater productivity and control, the three pump hydraulic circuit allows simultaneous function of boom hoist, winch and swing...setting the standard in the 60-ton class.

Simplified Routings
The RTC-8060 incorporates simplified hydraulic routings for easy access. Fittings and connections are staggered where necessary for quick and easy servicing.

Serviceability
Standard quick disconnects installed at various locations in the hydraulic system allow the hydraulic pressure to be quickly and easily checked with Link-Belt’s exclusive diagnostic gauge kit (optional).

State-of-the-Art Oil Seal Technology
The RTC-8060 features improved seals on boom hoist, boom extend retract, and outrigger jack cylinders. This new “redundant” oil seal technology incorporates 3 rod sealing surfaces versus one or two found on competitive models. This new seal design is highly resistant to side loading and pressure spikes for outstanding sealing performance and, incorporated with full o-ring face seal “ORFS” technology when used throughout the machine, leads to an environmentally dry system.

Computer-Aided Design
Link-Belt has pursued a course of continuous innovation to set new standards for hydraulic crane design. Design originates that improve reliability and performance.

Advanced, high speed computer-aided, state-of-the-art designs are measured by their reliable performance through extensive testing and re-testing before Link-Belt endorses a new idea, assuring the customer of real user value...maximum on-the-job performance.