

# HTC 86100

100-ton (85 mt) Hydraulic Truck Crane

# HTT 86100

100-ton (85 mt) Truck Terrain Crane

- 38-140 ft (11.6-42.7 m) five section, full power latching boom with no charted capacity deductions for telescoping loads
- 35-58 ft (10.7-17.7 m) two-piece, bi-fold, on-board lattice attachment with 2°, 15°, 30°, and 45° offsets - optional
- Two 16 ft (4.9 m) lattice inserts provide a total attachment length of 90 ft (27.4 m) - optional
- 237 ft (72.2 m) maximum tip height
- Modular style counterweights
- 16,880 lbs (7 656.6 kg) maximum winch line pull
- 480 fpm (146.3 m/min) maximum winch line speed
- Next generation operator's cab with improved visibility and ergonomics
- Automated Manual Transmission
- Front and rear air ride suspension
- Anti-lock (ABS) brakes
- Four lockable storage boxes available
- "Stow 'n Go" steel pontoons



The HTT's all-wheel steer provides outstanding on-site mobility.



**Link-Belt**  
CRANES



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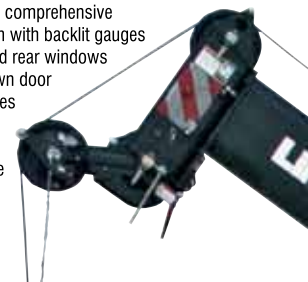
- 5-section full power latching boom with attachment flexibility
- Big, wide cab with outstanding visibility
- Winches deliver impressive numbers of line pull and line speed
- Counterweight flexibility, big engine and transmission power, along with air ride promise incredible mobility on the road or on the job

↓ All counterweight configurations can be raised and lowered by hydraulic cylinders from the comfort of the operator's cab for ease of installation and removal.



#### Comfortable carrier :

- Dash-mounted comprehensive instrumentation with backlit gauges
- Sliding side and rear windows and roll up/down door window provides excellent ventilation
- Fully adjustable air-ride fabric seat
- Suspended pedals



35-58 ft (10.7-17.7 m) two-piece bi-fold lattice attachment with 2°, 15°, 30° and 45° offsets



## Outstanding mobility on the road and on the job site

- Cruise control
- Three stage engine compression brake
- Ether injection system – optional
- Automated transmission (no clutch pedal) — 12 speeds forward, 2 speeds reverse with two modes of operation: fully automatic and semi-automatic
- Job site travel is permissible with all 39,500 lbs (17 917.2 kg) of counterweight for exceptional job site versatility:
  - HTC: 1.3 mph (2.1 km) job site travel
  - HTT: 1.2 mph (1.9 km) job site travel
- Highway speeds unmatched in the industry today:
  - HTC: up to 62.3 mph (100.3 km/hr)
  - HTT: up to 56.1 mph (90.2 km/hr)



↑ Boom dolly/trailer ready when equipped with optional boom float kit and rear electrical and air connections

→ Optional rear electrical and air connections



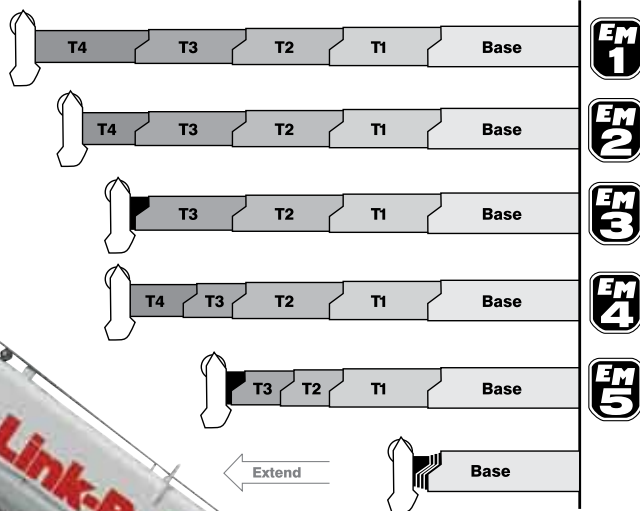
↓ There are two standard locking storage boxes with options for up to four boxes.



↓ Raydan™ air-ride suspension front and rear provides a smooth ride and precise handling. Optional air-ride lift system holds the rear suspension retracted while the crane is on outriggers.







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

- 38-140 ft (11.6-42.7 m) latching boom with five boom modes for superior capacities throughout the extension range
- No charted capacity reductions for telescoping loads
- Boom requires no greasing because of ingenious Teflon wear pucks impregnated in the full contact wear pads
- No minimum boom angle for extending or retracting the boom sections
- 35-58 ft (10.7-17.7 m) two-piece, bi-fold, on board lattice attachment with 2°, 15°, 30°, and 45° offsets
- Two 16 ft (4.9 m) lattice inserts provide a total attachment length of 90 ft (27.4 m)
- 237 ft (72.2 m) maximum tip height



Optional hoist drum cable follower and optional third wrap indicators

Winch viewing mirror

Folding viewing mirror for travel

Optional integrated air conditioning

Pull-out CabWalk™ slides out from secured travel position underneath operator's cab

Mechanical boom angle indicator - standard

Standard 11,500 lbs (5 216 kg) counterweight

Stow 'n Go outrigger pontoons

Carrier-mounted outrigger controls located on each side of carrier, include an engine throttle-up switch for fast outrigger deployment. For fine level adjusting of the carrier, throttle can be taken down to idle.

## Powerful and responsive hydraulics

- Six pump, pressure compensated hydraulic system allows simultaneous and precise function of boom hoist, winch, and swing.
- Two-speed hydraulic piston motor hoist system delivers superior hoisting. Matched size optional front and rear winches provide equal max line pulls of 16,880 lbs (75.0 kn) and max line speeds of 480 fpm (143 m/min) on 16" (41 m) root diameter grooved drums.
- Drum rotation indicators - standard.
- Bi-directional hydraulic swing motor mounted to a planetary reduction unit for 360° continuous smooth swing. Spring applied hydraulic released 360° swing park brake provides infinite swing park positions as well as free swing when control is in neutral position.



Innovative two-part paint coating technology, coupled with pre-assembly paint process, provides the finest quality coating system available today.

Large engine doors allow for easy access

Non-slip surface strips on carrier deck

Optional daytime running lights

Self-storing fifth outrigger pontoon

Large west coast-style rear viewing mirrors

Integrated air conditioning (not a roof-mounted system)

Full air, S-cam anti-lock (ABS) brakes

Aluminum wheels and radial tires

**CALC** — Outrigger beams have three different stages (retracted, intermediate, and fully extended) providing lifting capacities in confined areas.

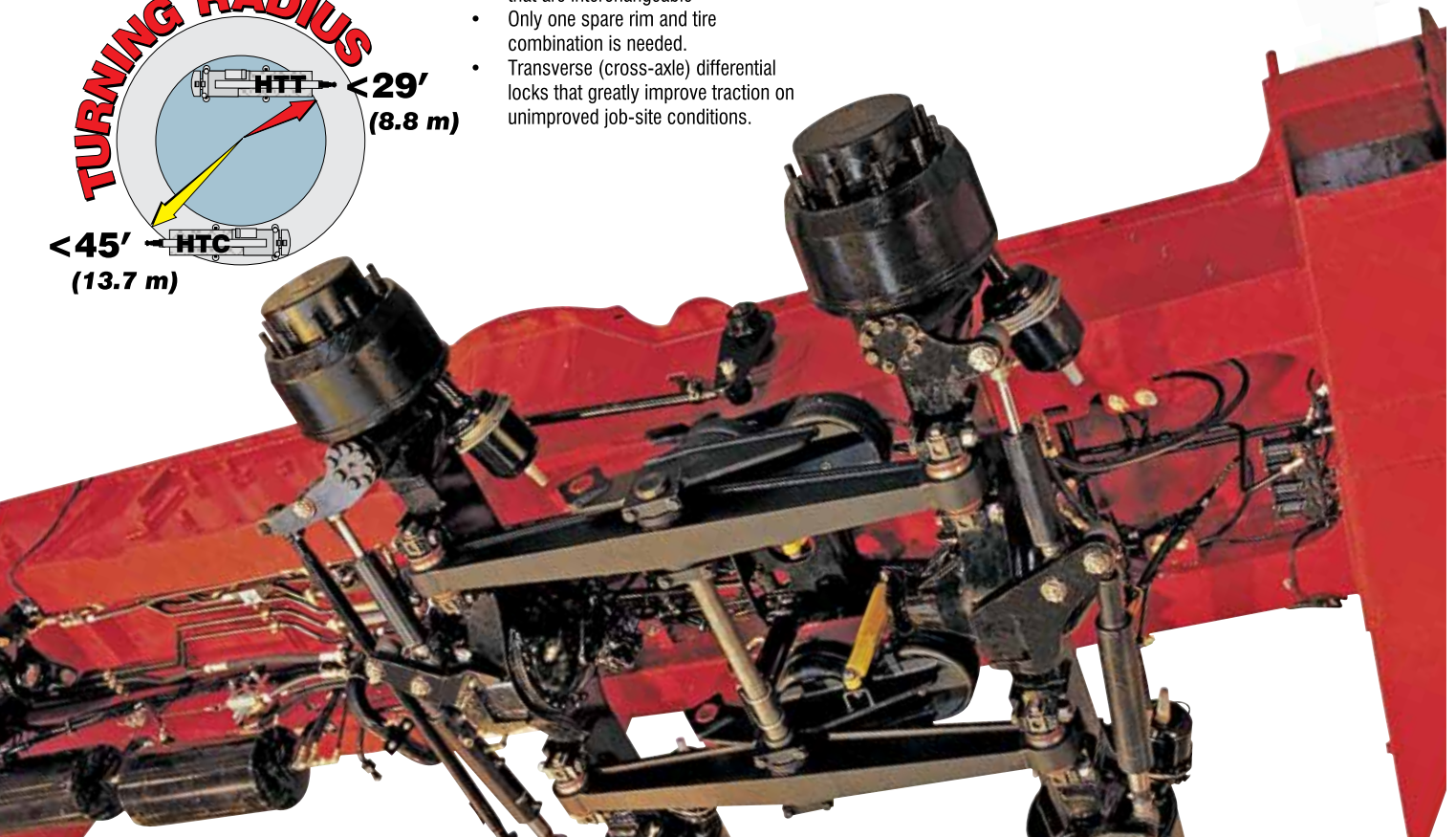
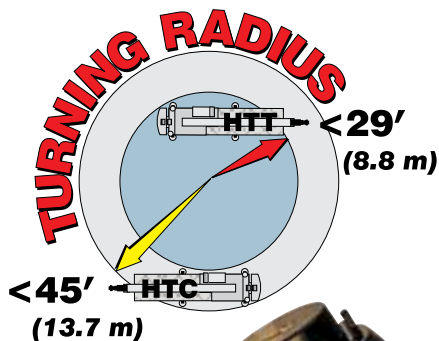
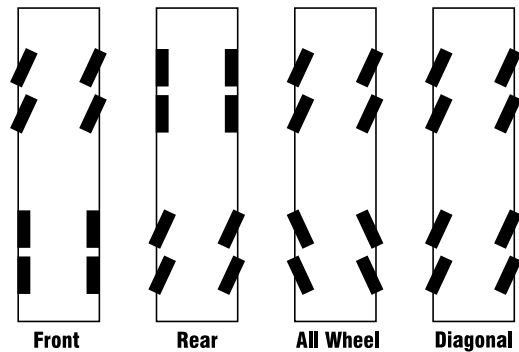






**Steerable all wheel axles, in conjunction with super single tires, makes the HTT even harder to beat on the job-site. And NO changes to the on-outrigger capacity charts.**

- Drive and steer capabilities for the rear axles
- Four steering modes:
  - Independent front
  - Independent rear
  - All Wheel
  - Diagonal
- Rear axles self-center and lock in the straight ahead position for high speed travel.
- Turning radius under 29 ft (8.8 m) at the edge of the tire
- 445/65R22.5 tires front and rear that are interchangeable
- Only one spare rim and tire combination is needed.
- Transverse (cross-axle) differential locks that greatly improve traction on unimproved job-site conditions.







### Roomier and quieter operator's cab

- 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 operators 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
- Available — Integrated air conditioning utilizes the same ventilation outlets as the standard heating system



Link-Belt Pulse is the Link-Belt-designed total crane operating system. It includes the rated capacity limiter, extend mode controller, diagnostic capabilities, and continuous monitoring of multiple crane functions and conditions. To aid operators in safe and efficient operation, its high-resolution, color-intense graphic display provides excellent contrast even in direct sunlight.



Access to the engine compartments and the operator's cab is superb with strategically-located ladders and steps.



### Multiple counterweight configurations give you capacities for any size job

- Standard – Total of 11,500 lbs (5 216 kg) of removable counterweights. Capacities for five different counterweight configurations.
- Optional – Up to 39,500 lbs (17 917.2 kg) of removable counterweights. Capacities for up to thirteen different counterweight configurations.
- All configurations can be raised and lowered by hydraulic cylinders from the comfort of the operator's cab for ease of installation and removal.

**Your crane investment is  
always protected ... with your  
Link-Belt distributor.**

When you invest in a Link-Belt crane, you invest in a legacy of outstanding customer support dating back to 1874. The ultimate value of a machine begins with state-of-the-art design and quality manufacturing, but it is the excellent Link-Belt distributor product support that determines its long term value. This philosophy has earned Link-Belt cranes the enviable position of traditionally commanding some of the highest resale prices in the industry.

*"... to be  
recognized  
as a*  
**leader in  
customer  
service &  
satisfaction."**  
*— The Link-Belt Vision*

**Link-Belt**  
*Preferred*

As a member of Link-Belt Cranes user's group, you will have access to:

- Online access to a comprehensive library of all parts, service and operator manuals for YOUR crane
- Interactive, live groundbearing calculations for YOUR crane
- Plus a vast array of information on new products, services and special offerings



Link-Belt Parts Distribution Center



Link-Belt headquarters - Lexington, Kentucky

## Master Technician TRAINING PROGRAM

Link-Belt's investment in the highly acclaimed Master Technician Training Program is further testimony to its commitment to highly trained, experienced service personnel.

Technical schools are specifically designed to establish proficiency in three phases: fundamentals, machine systems, and diagnostics/repair. To further support these highly trained distributor personnel, Link-Belt has dedicated, full time factory technical advisors available with comprehensive machine records, drawings and technical publications to quickly isolate and resolve service issues.



No one knows your Link-Belt crane better than our trained technical specialists and coupled with the energy of our customer parts representatives, no one in the crane industry provides faster, more efficient customer service.

With state of the art computer information systems, distributors order Genuine Link-Belt Parts 24 hours a day, 7 days a week.

Our dedicated 72,000 sq. ft. (6 689 m<sup>2</sup>) Parts Distribution Center is an integral part of our product support commitment where we invest in an extensive and well planned parts inventory. And all parts in stock ship the same business day.

Link-Belt Construction Equipment Company is a leader in the design, manufacture, and sales of telescopic and lattice boom cranes with headquarters and manufacturing facilities in Lexington, Kentucky, USA. Link-Belt is committed to the manufacture and service of high quality products that satisfy customers worldwide.

Towards that end, Link-Belt has pursued a strategy of growth and investment. It has moved aggressively to seize more global market share by producing a broader range of products and strengthening distribution and personnel around the globe.

Link-Belt is also home to a family of passionate professionals with a legacy of innovation and cutting-edge technology spanning over 135 years. These professionals, in a 740,000 sq. ft. (68 748 m<sup>2</sup>) manufacturing facility and with a culture of continuous innovation, have pushed Link-Belt to be the most modern crane manufacturer in North America.

# Link-Belt<sup>®</sup>

## C R A N E S

LINK-BELT CONSTRUCTION EQUIPMENT COMPANY

Lexington, Kentucky | [www.linkbelt.com](http://www.linkbelt.com)

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We are constantly improving our products and therefore reserve the right to change designs and specifications.

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