

HC-238H II

HYLAB Series Lattice Boom Truck Crane 150-ton (136.08 mt)

- 150 tons (136.08 mt) at an 10' radius
- 50' to 260' (15.24 - 79.25 m) of tube boom
- Maximum boom & jib 230' + 75' (70.10m + 22.86m)
- 308' (93.88) maximum tip height
- 270' (82.30 m) maximum 360° working radius
- New luffer design:
 - 27-ton (24.5 mt) capacity
 - 347' (105.77 m) maximum luffing boom tip height
 - 240' (73.15 m) maximum 360° working radius
- 35,913 lb (16 290 kg) maximum winch line pull
- 557 fpm (169.77 m/min) maximum winch line speed
- Three-piece upper counterweights, one piece lower design, totals 76,940 lbs (34,899 kg)
- 85,334 lbs (38,796 kg) travel weight
- State of the art RCL with graphic display
- Simple, reliable hydraulic pilot-operated controls
- Air ride front suspension
- Jobsite travel with all counterweight is permitted



HC-238H II

HYLAB Lattice Boom Truck Crane
150-ton (136.08 mt)

- Bullet-proof HYLAB hydraulic system
- Outstanding features and lift capacity performance
- Industry's best carriers, PLUS
 - Pick & carry performance
 - Ability to walk with full counterweight and luffer attachment
 - Optimum transportability — fast outrigger box removal



Outstanding carrier features with solid, reliable performance

- **Carrier frame** — new, improved design provides solid lifting platform for luffer applications
- Comfortable **carrier cab** provides high visibility
- 430 hp (320 kw/h) Detroit Diesel Series 60 engine (lower)
- **Eaton RTO 14908LL transmission**
- **Jake brake** provides more braking power
- **Separate steering pump** allows operator to simultaneously drive and operate outriggers, providing smooth "floating" of outriggers.
- **Four Series 31 batteries** are durable and designed for cold weather use.
- Convenient **battery disconnects**
- **Easy access panels** allow full engine, battery & hydraulic filter access.
- **Fuel cooler** keeps fuel temperature constant so fuel injectors won't overheat.
- **Block heater** - standard

Link-Belt
CONSTRUCTION EQUIPMENT

Direct drive allows for simultaneous operation of outriggers and steering system for pick & carry operations



No need to remove bumper counterweight for job site travel, unlike competitors.

Partial counterweight charts available

Smooth highway travel with superior pick-and-carry capacities

- **Front air-ride suspension** (standard) provides a smooth ride for precise handling. For "pick-and-carry" operations, the air bags are deflated with a flick of a switch, allowing the suspension to rest solid.
- **Rack and pinion Sheppard steering system** is more responsive and has less play in the wheel.
- **Tubeless 25" on/off highway tires** are inherently balanced, giving you a smoother ride.
- **Spun disc rims** are truer with a tighter tolerance and greater capacities.
- **Interaxle differential** is permanently locked to allow for maximum traction.



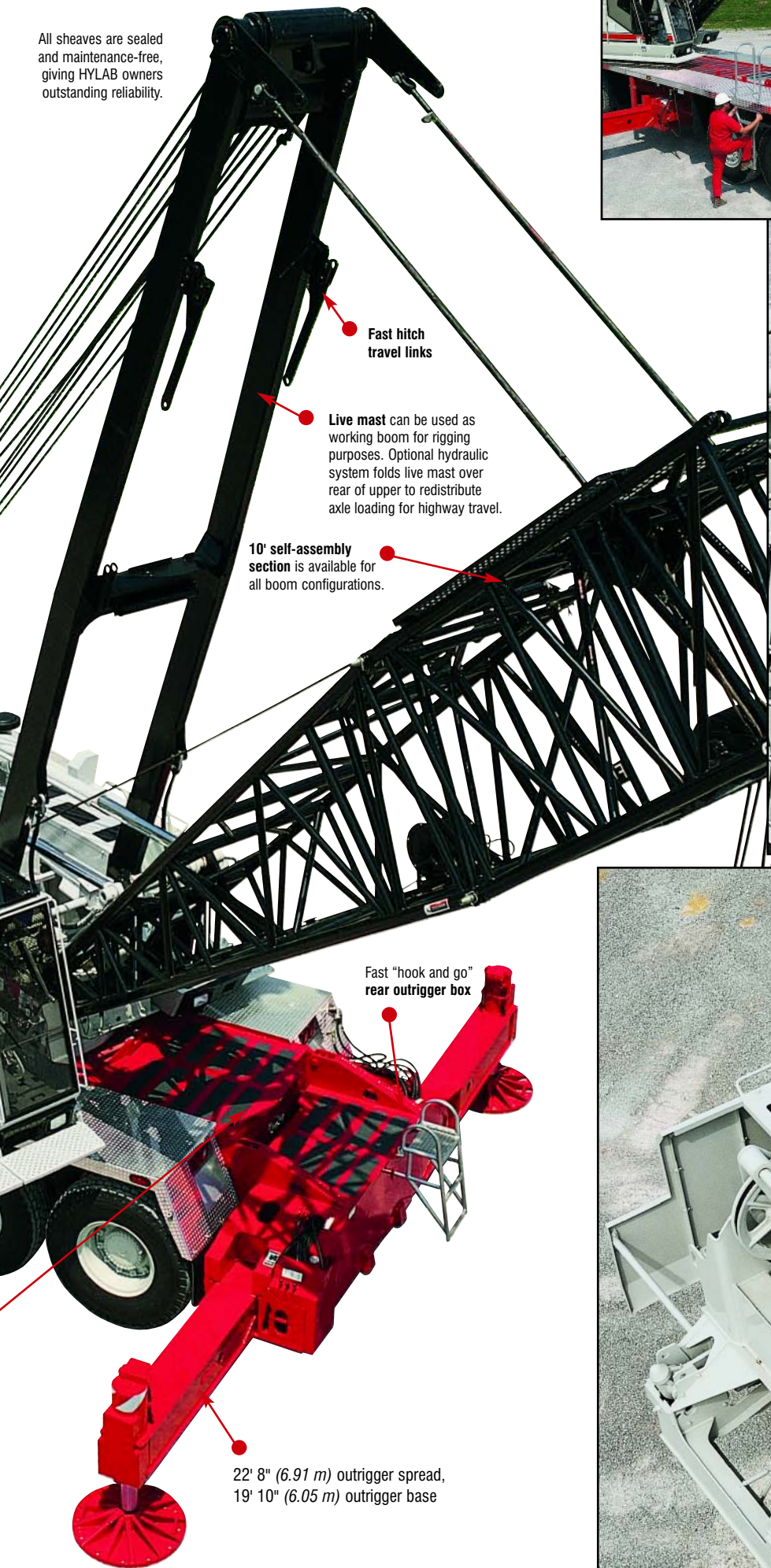
Five conveniently-located remote throttle controls allow a single operator to set the outriggers.

Aluminum fuel tank resists corrosion, reduces travel weight.

Non-slip safety strips and quick storage catwalks provide sure-footed access to the crane upper.



All sheaves are sealed and maintenance-free, giving HYLAB owners outstanding reliability.



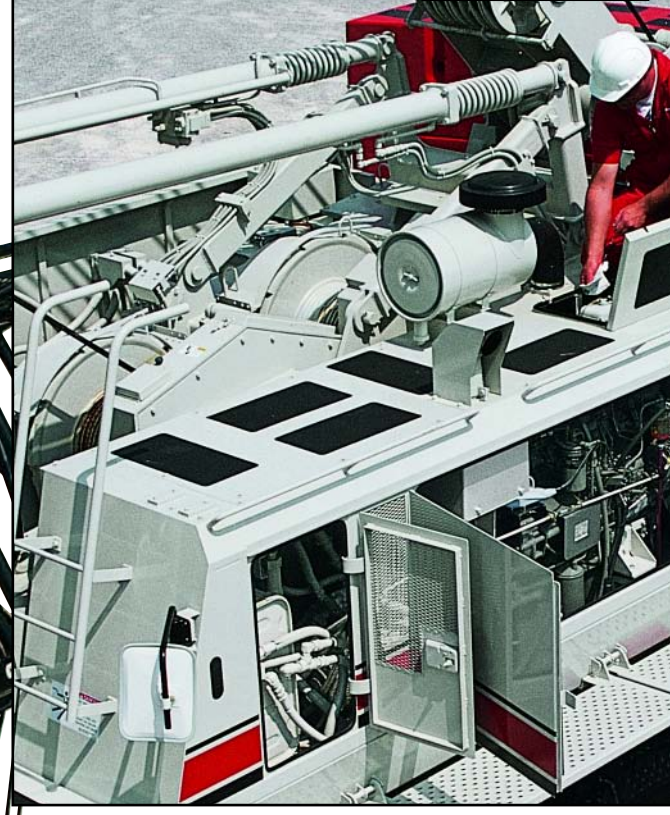
Fast hitch travel links

Live mast can be used as working boom for rigging purposes. Optional hydraulic system folds live mast over rear of upper to redistribute axle loading for highway travel.

10' self-assembly section is available for all boom configurations.

Fast "hook and go" rear outrigger box

22' 8" (6.91 m) outrigger spread,
19' 10" (6.05 m) outrigger base



Access ladders with hand-rails, removable right-side catwalks and a large flat deck are standard on Link-Belt cranes, providing superior operator accessibility.

Bullet-proof hydraulics and a strong power plant

QUALITY PROVEN FOR MANY YEARS IN QUALITY LINK-BELT PRODUCTS

Powered by the biggest and most quiet engine in its class, the **Isuzu engine** is fuel efficient and has proven to be very reliable. It has a high cooling capacity and provides high line speeds at higher line pulls.

Load control

The variable displacement system provides **infinite control of load speed** in hoist and lowering modes. Load speed is directly proportional to lever movement. This infinite control of drum speed allows the operator to choose the most efficient speed for each load.

Fine inching control

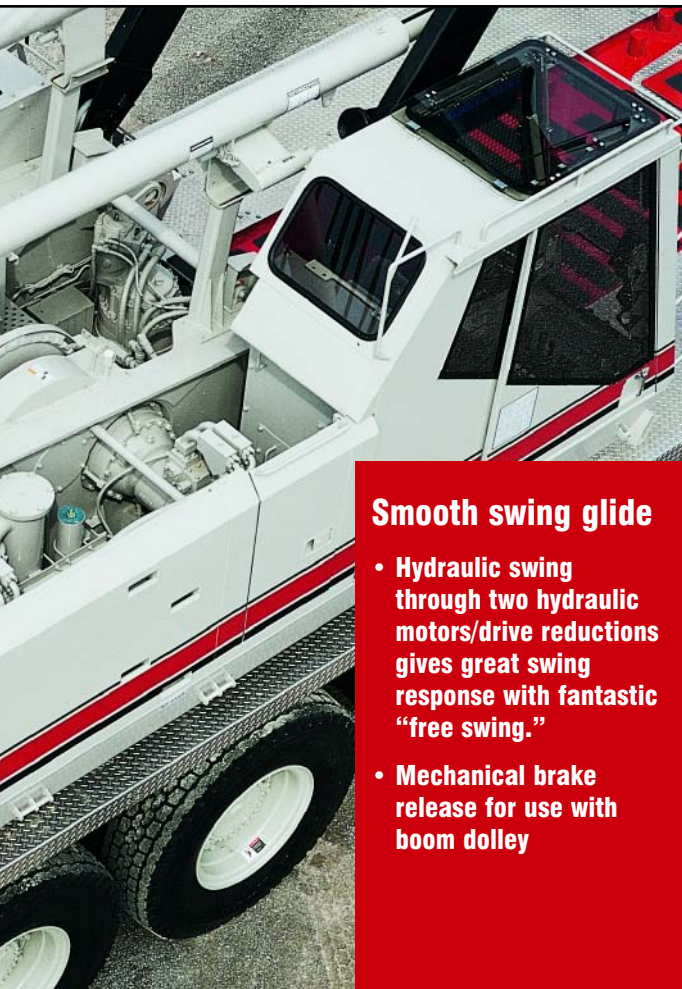
For **super precise control of load lowering/hoisting**, hydraulic pump flow can be minimized with the flip of a switch, allowing the operator to place loads with either the main or rear drums with extreme accuracy.

Boom hoist

Independent hydraulic boom hoist is driven by a variable displacement axial piston motor through a gear reduction system. This system features infinitely variable boom hoist speed, automatic boom hoist brake and a limiting device that restricts hoisting boom beyond recommended minimum radius.



Left-hand catwalks optional



Smooth swing glide

- Hydraulic swing through two hydraulic motors/drive reductions gives great swing response with fantastic "free swing."
- Mechanical brake release for use with boom dolly



Comfort and control at your fingertips

The **HYLAB crane operations control center** provides excellent visibility and is ergonomically designed for maximum operating comfort and control. Features include:

- Armchair mounted pilot-operated hydraulic controls
- Swing-up roof window with wiper
- Sliding front glass
- Engine instrumentation panel with backlit gauges
- Six-way adjustable seat
- Hand and foot throttle
- 18,500 BTU air conditioning
- 19,000 BTU heater

Operator's cab console features include:

- Free-fall mode indicator
- Load indicator
- Anti-two block override switch
- Boom hoist override switch
- Limit alarm indicator light
- System override switch and indicator light
- Front, rear and third drum lock switch
- Swing lever with swing brake and horn located on handle
- Mechanical drum rotation indicators in controller

Load moment indicator/limiter

The standard PAT DS-350G/1334 rated capacity limiter with graphic display includes two linersiders, angle sensor, computer and anti-two block equipment to provide:

- Representation of machine configuration
- Graphical step-by-step machine set-up
- Boom length & angle
- Jib length & angle
- Load on hook
- Rated load
- Load radius
- Tip height
- Anti-two block warning & function limiters
- Operation mode
- Audio/visual warning and limits functions when the load on hook is at 100% of the crane's rated load
- Operator-settable alarms



Moves in 8 loads with max boom, max jib and full counterweight

Link-Belt leads the way in designing roadable, big capacity truck cranes and nowhere is this more evident than with the HYLAB Series. The weight efficient design and built-in stripdown features of the HC-238H II will get your big capacity crane to the next job site quicker and at less cost.

No helper crane required

The HC-238H II is designed to be self-erecting and self-stripping. The optional 10' extension with lifting sheaves is used to assemble/disassemble, or the live mast can be used as a short boom for loading and handling counterweight, outrigger boxes and boom sections — eliminating the need for a helper crane.



Hydraulic cylinders pull/extend bottom pins and rear outrigger box is simply slipped off of hooks.



The front outrigger box can be easily removed for transport in locations with severe weight restrictions.



HC-238H II base machine travels at under 85,000 lbs (38 555 kg).

Air and electrical hook-ups on the rear of the carrier for boom dolly, trailer or tag axle — standard



Pusher axle mount option allows more weight to be carried on the machine during transport.



Available attachments provide strength and versatility

Conventional open throat boom

- 50' - 260' (15.24 - 79.25 m) conventional boom
- Using pin-connected sections and open throat top section, the HC-238H II provides the longest boom lengths in this machine class.
- Main chord members are made with 100,000 psi yield material with high strength lattice.
- Boom suspension is achieved through 18-part boom hoist reeving with dual pendant ropes.
- Standard equipment deflector rollers protect lattice sections from wire rope scuffing.

Auxiliary 5' (1.5 m) tip extension

- Optional — designed to provide clearance between two working hoist lines

Boom and jib — open throat

- 230' + 75' (70.10 m + 22.86 m) boom + fixed jib
- Jib is common to other Link-Belt models.

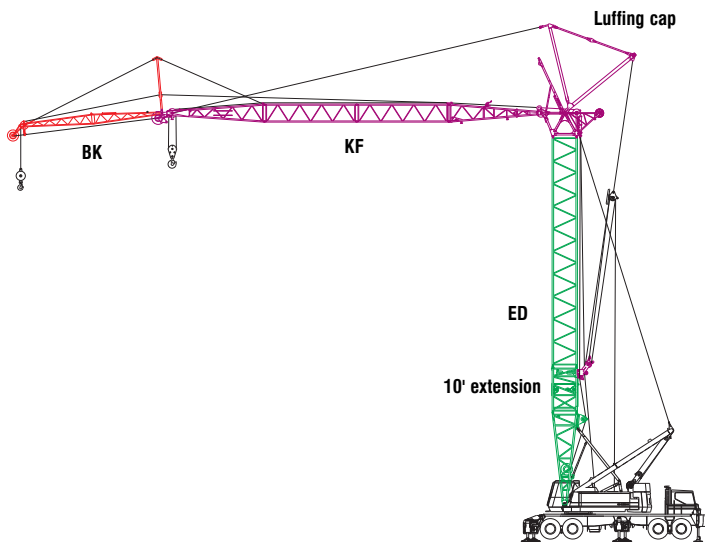
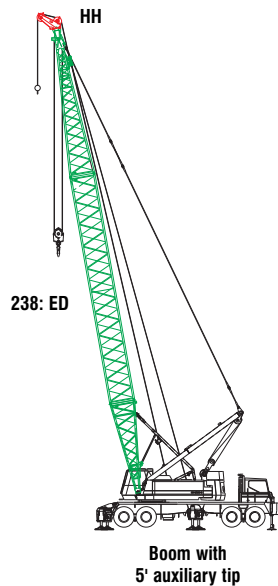
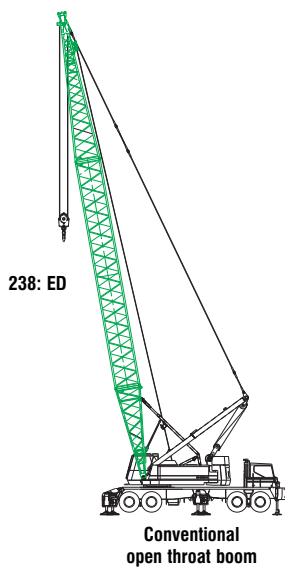
Luffing boom attachment

- 165' + 160' + 30' (50.29 + 48.77 + 9.14 m) luffing boom + luffing jib + fixed jib
- Luffing attachment for the HC-238H II is designed with luffing jib reeving anchored off the luffing boom to keep reeving down low within operator's view — easy to assemble.
- Top section assembly of luffer transports as one piece and makes for fast, easy assembly to the luffing jib.
- Conventional boom also serves as luffing boom.
- This attachment flexibility and simplicity makes the HC-238H II - conventional or with luffing boom attachment - the first machine to go out of the yard and to the job.
- Hydraulic third drum mounted in boom base to provide two working lines with luffing also available.

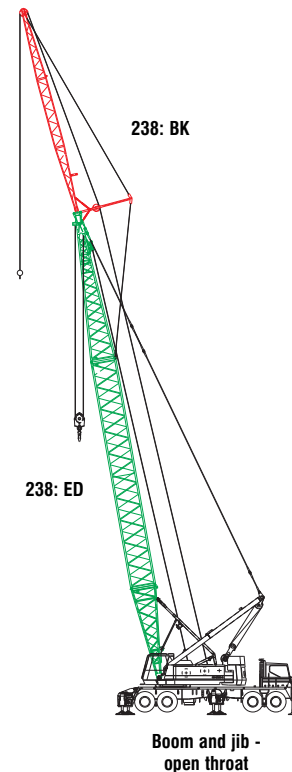
10' (3.05 m) self-assembly section

- Shown on luffing boom — is available for all configurations.
- Required on the HC-238H II luffing boom make-up

All boom sections are manufactured in Lexington, Kentucky for fast, easy service, parts and replacement.



HC-238H II:
Luffing boom,
luffing jib and fixed jib



Link-Belt
CONSTRUCTION EQUIPMENT

Lexington, Kentucky
www.linkbelt.com

© Link-Belt is a registered trademark. Copyright 2001. All rights reserved. We are constantly improving our products and therefore reserve the right to change designs and specifications.

Litho in U.S.A. 07/07 #4335