

# LS-308H II

## HYLAB Series

### Lattice Boom Crawler Crane 110-ton (99.79 mt)

- 110-ton (99.79 mt) at 12' (3.66 m) radius
- Powerhouse package:
  - 1-1/8" wire rope, front & rear drums
  - 37,100 lbs (16 828 kg) allowable line pull
  - 55,000 lbs (24 948 kg) available line pull
  - Automatic brake with true freefall
  - Attachments for lift crane, drag line and clam
  - 332 hp equipped with Power Load™
- Rugged angle boom attachment for severe duty applications
- Separate engine/hydraulic cooling
- Remote/dedicated hydraulic circuit\*
- 4th drum with freefall\*
- Remote hydraulic cooling for auxiliary attachment\*

\* optional

**Link-Belt**  
CONSTRUCTION EQUIPMENT



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# LS-308H II

## HYLAB Series

Lattice Boom Crawler Crane  
110-ton (99.80 mt)

Designed to meet the needs  
of both severe duty and  
general lift applications

- Robust boom, big rope, dedicated hydraulics
- Power Load pushes for optimal performance on the toughest jobs
- Awesome operator control and comfort

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Counterweight "biscuit" design allows for various configuration options.



Self-cleaning 36" (0.91 m) track shoes form a wide gauge of 17' 6" (5.33 m) when extended, and 11' 11.9" (3.65 m) when retracted. Lower structure ground clearance is 42" (1.07 m).



Attachable bridge guide arms are used fast, easy bridge-to-boom connection for assembly and transport.



Lightweight polymite sheaves reduce rope wear and are sealed and maintenance-free, giving HYLAB owners outstanding reliability.

Optional self-assembly lifting sheaves

Hydraulic counterweight removal cylinders

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

Two boom base sections are available. The optional dragline base section is designed to allow lowering of the boom to ground with fairlead in place.

Carbody jacks standard

Sealed (oil-filled) track rollers, idler and drive planetaries and compact hydrostatic drives add up to outstanding reliability and maintenance-free operation.

HYLAB hydraulic swing system smoothly rotates on turntable bearing with internal swing teeth. Upper secures into place with a four position positive house lock.

Hydraulic cylinder in carbody for effortless extend/retract

Automatic hydraulic track tension

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## Power your hydraulic impact/vibratory hammer/tools direct with the LS-308H II optional hydraulic power package

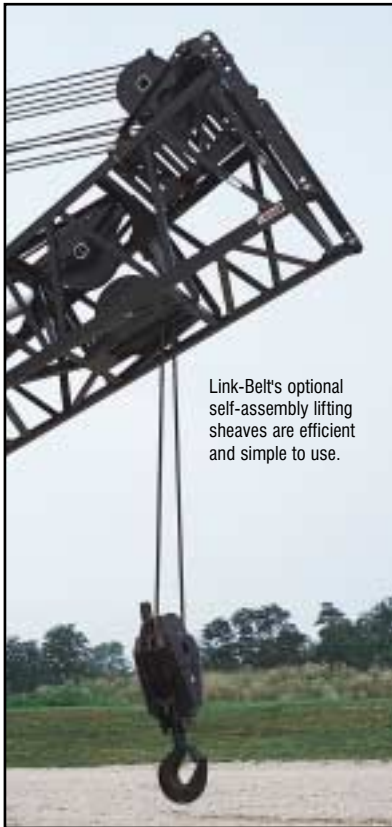
- NO requirement for auxiliary power unit
- NO extra manpower to maintain and operate power unit
- NO cumbersome relocation of auxiliary power unit as crane moves
- NO added maintenance and cost of power unit
- NO contamination of crane's hydraulic system due to noncompatible hammer flows/poor filtration

**Put this added value feature on your crane, which includes separate high pressure high flow piston-style pump with "Power Load."**

- Cab-controlled variable flow control valve with lock
- Boom foot-mounted manifold with main circuit and spotter and clamp circuits
- Separate oil cooler, separate sump tank with dedicated filtration



Main hydraulic system has separate cooler, hydraulically-driven fan. Cooler hydraulics — longer lasting, easy to clean (standard)



Link-Belt's optional self-assembly lifting sheaves are efficient and simple to use.

Plumbing for optional hydraulics includes manifold with spotter circuits, hook-up for auxiliary circuit, third drum connection and a "clamp" circuit for hammer application.



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Optional hydraulic package has separate reservoir and cooling.



## Heavy duty hydraulic power meets your most demanding hoist needs

- 1-1/8" rope - front and rear drums
- 37,100 lbs (16 828 kg) allowable line pull
- 55,000 lbs (24 948 kg) available line pull
- Big drum brakes — accessible, easy maintenance, adjustable for each individual operator — hydraulic actuated
- 332 hp Mitsubishi engine provides plenty of reserve power to operate auxiliary hydraulic load
- Power Load™ total horsepower control challenges the engine at all times to work at maximum speed to give you maximum power — a huge speed advantage over other cranes with bigger horsepower that do not use total horsepower control
- Remote hydraulic cooling
- Dedicated engine cooling
- Variety of counterweight configurations
- Optional front-mounted 3rd drum
- Optional high capacity 4th drum with true gravity freefall - 7/8"
- Optional auxiliary hydraulic power package for additional hydraulic supply for various attachments, controlled through a separate variable flow control valve in the operator's cab with system designed for cavitation/contamination, common with hydraulic hammers. Nephron filter system helps filter out fine contaminants.
- Power vibratory or impact hammer, augers, etc.



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## Awesome air, comfort and control at your fingertips

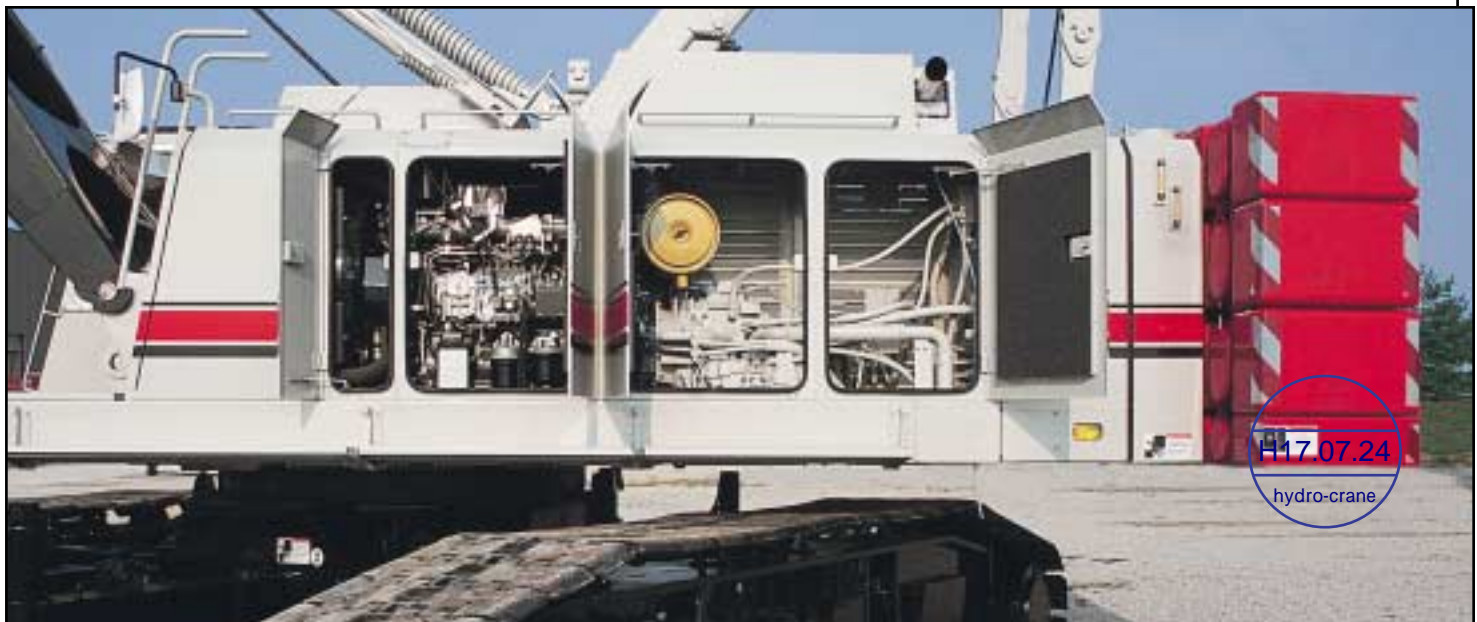
The HYLAB crane operations control center is ergonomically designed for maximum visibility, operating comfort and control with these standard features:

- 18,650 BTU air conditioning and 19,000 BTU heating run through upper and lower vents
- Rated capacity limiter with load cell located in boom hoist dead end
- Twist-o-grip swing/throttle lever
- Low effort hydraulic brake pedals — minimal pedal travel
- Optional 4th drum foot pedal
- Optional variable flow auxiliary hydraulic circuit control

- Armchair mounted, pilot-operated hydraulic controls are designed to provide outstanding operator comfort.
- The location of the travel levers are offset, increasing the operator's overall visibility.

### Operator's cab console features include:

- Free-fall mode indicator
- Rated capacity limiter with suspension sensing
- 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
- Backlit instrumentation gauges with warning lamps



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## Optimal transportability

The LS-308H II moves in 4 loads with max boom, max jib and full counterweight. With its lightweight modular components, no other crane is faster, easier or more efficient to transport.

## Fast assembly and disassembly

Optional self-assembly lifting sheaves in base section dramatically simplify assembly, disassembly and load-out. Hydraulic cylinders in the boom base section pick up and handle the boom extensions, counterweights and treadmembers. You can remove counterweights, both sideframes and catwalks, pin the live mast and gantry, and be ready to load out. Reverse the process and be ready to stab boom in 45 minutes.



Counterweights are hydraulically installed and coupled to upper.



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## Available attachments provide strength and versatility

### Conventional open throat boom

Rugged 60" x 54" (1.52 m x 1.37 m) in-line pin-connected angle boom attachment is a top notch performer in dragline, clamshell, pile driving and other severe duty cycle applications.

- Optional 25' (7.62 m) dragline base section
- 32,250 lbs (14 628 kg) clam & drag ratings with 120' (36.58 m) of boom
- Heavy duty pendants



The boom top section features heavy duty steel sheaves and standard pin-on points for attachment of options such as a fixed jib, tip extension and adapters for universal pile driving leads with quick Reeve ability.

In-line boom suspension load cell, standard with anti-two block system for both front and rear drum

- Built to withstand side loads associated with duty cycle operation
- Main chord members are made with 100,000 psi yield material with high strength lattice.
- Boom suspension is achieved through 10-part boom hoist reeving with dual pendant ropes.
- Standard equipment wear blocks protect lattice sections from wire rope scuffing.

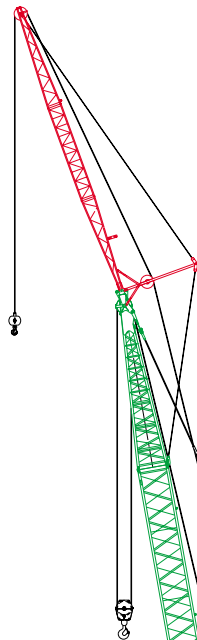
### Auxiliary 5' (1.5 m) tip extension

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

### Boom and jib — open throat

- 140' + 75' (42.67 + 22.86 m) angle boom + fixed jib
- 220' (67.06 m) maximum tip height
- Jib is common to other Link-Belt models.

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



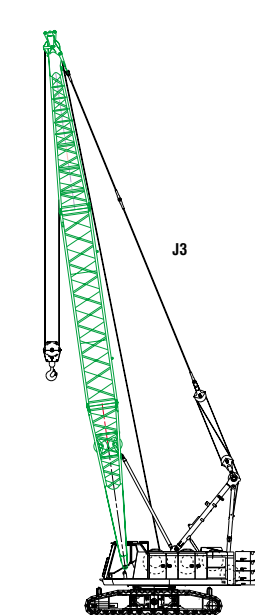
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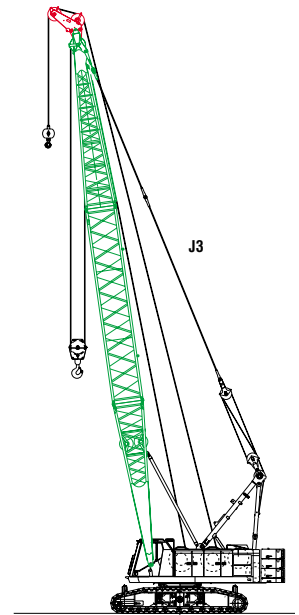
Boom and jib - open throat



Seamless welds and chrome plated hardware



Conventional open throat boom



Boom with 5' auxiliary tip



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

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