

# LS-138H II

## HYLAB Series

### Lattice Boom Crawler Crane 80-ton (72.6 mt)

- 80-ton (72.6 mt) at a 10' radius
- 204' (62.18 m) maximum tip height
- 242' (73.76 m) maximum attachment (180' (54.86 m) plus 60' (18.29 m) boom plus jib)
- Transport weight is less than 90,000 lbs (40 824 mt) with boom base, treadmembers, live mast and hoist ropes
- Lightweight modules for ease of transportation
- Two-piece, 50,500 lbs (22 906 kg) counterweight combination
- Counterweight removal system with remote control for improved self-assembly
- Compact travel drives to improve serviceability



**Link-Belt**  
CONSTRUCTION EQUIPMENT

# LS-138H II

## HYLAB Series

Lattice Boom Crawler Crane  
80-ton (72.6 mt)

- **Bullet-proof reliability**
- **Simple mobility**
- **Super versatility**
- **Big capacities**
- **Pin-point control**

Since its launch more than a decade ago, Link-Belt's Hydraulic Lattice Boom (HYLAB) crane series is the most successful crawler crane product line ever built. HYLAB crawler cranes are the market leaders because of proven, customer driven design features.

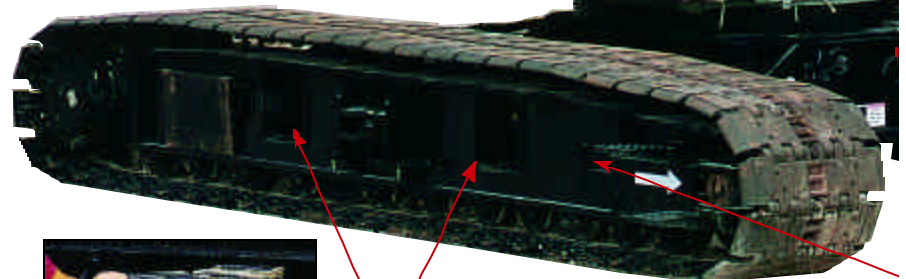
Joining the HYLAB tradition of excellence is the LS-138H II, which features the innovative Quick Draw™ system, greater lift capacities, work application flexibility and a counterweight removal system which takes transportability and ease of operation to a new level.

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



*Large, swing-out doors provide outstanding access to the engine and hydraulic components for easy maintenance.*

*Left and right side catwalks offer maximum accessibility and easily fold away for transport.*



*Exclusive axle extension wings easily swing out for wide gauge working position and quickly and easily swing in for working in tight areas and for transport.*

**Link-Belt**





## Enjoy the versatility of both tube and angle boom Customize your crane and get the best of both worlds!

The boom top section features **standard pin-on points** for attachment of options such as a fixed jib, tip extension and adapters for universal pile driving leads.

Ideally suited for lift crane work and combination lift/duty cycle requirements, the LS-138H II, with **tubular boom**, offers greater lifting capacities and the longest boom and boom/jib combination in its class.

**Head machinery** includes standard lift crane sheaves with optional wide mouth sheaves available for duty cycle.

The boom top section features **standard pin-on points** for an optional five-foot tip extension in place of jib for providing clearance between working hoist lines.

The **#1 pile driving crane in America** is now even better with standard pile driving lead connection points on the boom top section as well as an optional pile driving lead adapter.

The **optional 40'-150' (12.19 - 45.72 m) angle boom**, the most rugged and robust angle boom available, is a top notch performer in dragline, clamshell, pile driving and other severe duty cycle applications. Outfitting the angle boom with the optional live mast makes for fast assembly and disassembly.



**Exclusive Quick Draw™** is an optional feature. Hydraulic cylinders in the boom base section handle boom sections and counterweights for quick and easy assembly and disassembly.

Optional third hoist drum is pinned to the front of the upper frame and has free-spooling capability for pile-driving applications.



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



The lower structure is made up of an all-welded, high strength, alloy steel carbody and precision machined treadmembers.

Self-cleaning 36" (0.91 m) track shoes form an extra wide gauge of 14' (4.27 m). Lower structure ground clearance is greater than 15" (0.38 m).



**Link-Belt crawler crane owners praise HYLAB's low operating cost ... the best in its class.**



## Strong power plant and reliable hydraulics

Powered by the **biggest and most quiet engine in its class**, the Isuzu engine is fuel efficient and has proven to be virtually 100% reliable. It has a high cooling capacity and provides **high line speeds at higher line pulls**.

The HYLAB Series state-of-the-art variable displacement hydraulic power system has earned a job-proven reputation of **bullet-proof reliability**. Ask any owner.

The hoist drums and boom hoist drum are hydraulically-powered and fully independent. The hoist drums feature power up/down, mechanical drum pawls, grooved laggings and drum rotation indicators.

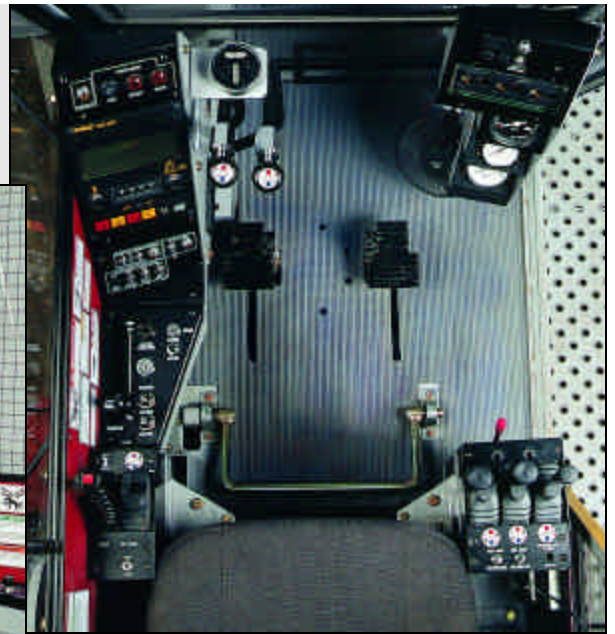
Optional third drum, front- or rear-mounted, is available with controlled free-spooling option, for pile-driving requirements.

A state-of-the-art hydraulic system with counterbalance valves provides positive, smooth and precise load control.

The LS-138H II has a **“Fine Inching” control mode** for super precise control of load lowering, hoisting, boom hoist and travel.

This hydraulic hoist system features **free-fall control** operation or **automatic brake mode (power up/down)** for fast, efficient and safe operation.

The hydraulically-powered **free swing** provides smooth rotation, 360° fingertip-applied swing brake, two position house lock and an audio/visual swing alarm.



## Comfort and control at your fingertips

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

- Armchair mounted, pilot-operated hydraulic controls (swing, load and boom hoist) are designed to provide outstanding operator comfort.
- The location of the travel levers are offset, increasing the operator's overall visibility.
- Ergonomically designed cockpit-style operator's cab provides exceptional visibility.

### 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

### Other in-cab features, controls and monitors include:

- Drum rotation indicators
- Service monitoring system
- Six-way adjustable seat
- Tinted and tempered safety glass
- Sliding entry door, front window and side window
- Swing up roof window with wiper
- Door and window locks
- Heater and defroster with circulating fan
- Sun visor and dome light
- Dry chemical fire extinguisher
- Hand and foot throttle
- Bubble-type level
- Back-lit automotive-style gauges





# Unbeatable transportability

## 3 loads & GO!

The LS-138H II easily transports in three loads, each less than 12' (3.66 m) in overall width. With its lightweight modular components, no other crane is faster, easier or more efficient to transport.



Load #1 - under 90,000 lbs (40 823 kg)



Load #2 - under 36,000 lbs (16 329 kg)



Load #3 - under 33,000 lbs (14 968 kg)

## Fast assembly and disassembly

Link-Belt's optional **Quick Draw™** feature dramatically simplifies self-assembly, disassembly and load-out. Hydraulic cylinders in the boom base section pick up and handle the boom sections and counterweights.

The exclusive, **all-hydraulic counterweight** removal system easily handles both counterweights (25,250 lbs (11 453 kg) each).

On the new LS-138H II, you can remove both counterweights, retract the treadmembers, store the catwalks, pin the live mast and gantry, and be ready to load out. Reverse the process and be ready to stab boom in 13 minutes.



*Hand-held remote controls make easy work of handling counterweight modules.*



## The LS-138H II is big, fast and strong with greater reach and capacities

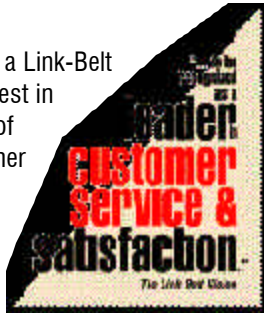
The best lattice boom crawler crane in its class is even better. It can **outpick the competition** virtually everywhere on the chart. The LS-138H II also has **blocked over-end capacities**, which challenge many 100-ton rated capacity cranes.

The LS-138H II **meets OSHA requirements** for anti-two block and automatic brake systems on cranes used to handle personnel.

**Outreaching** the nearest competitor, the LS-138H II boasts a **maximum tip height of 204' (62.18 m)** and **242' (73.76 m)** with the boom and jib used in combination.

## With your Link-Belt distributor, your crane investment is always protected.

When you invest in a Link-Belt crane, you also invest in a 125-year legacy of outstanding customer support. With the world-wide Link-Belt distribution network, you are never far from quality Link-Belt service or parts professionals. The value of a machine starts with state-of-the-art design and manufacturing, but excellent product support determines its long term value. And, thinking to the future, it's good to know that Link-Belt cranes traditionally command some of the highest resale prices in our industry.



And eParts, our online computer system, allows distributors worldwide to order Genuine Link-Belt Parts 24 hours a day, 7 days a week. An integral part of Link-Belt's product support is the maintenance of an extensive and well planned parts inventory in our dedicated 72,000 sq. ft. Parts Distribution Center. All parts in stock ship the same business day.

### **Link-NetPro, Link-Belt's new Internet portal, gives your distributor instant access to vital information for sales, service, parts and warranty information via the web.**

All technical publications, including parts pages, service manuals, and operator manuals for virtually every Link-Belt working crane are available on-line to your distributor through Link-NetPro. More than 18 months in the creation and testing, this crane industry first is a gigantic step forward in better serving distributors' needs for instant, accurate information for better problem resolution.



### **At Link-Belt, we have the right people, ready to deliver the right part, at the right time.**

No one knows your Link-Belt equipment better than our trained Technical Specialists and no one provides faster, more efficient customer service than our customer service representatives.



### **A commitment to highly trained, experienced service personnel is demonstrated throughout the lifetime of your Link-Belt crane.**

Through the Master Technician Training Program, technical schools are specifically designed to establish proficiency in all phases of machine diagnostics and repair. They are held throughout the year at our Service Training Center for both distributor technicians and customers. These highly trained and motivated field service personnel are prepared to respond to your downtime and get you going...FAST. Supporting these distributor personnel are experienced factory advisors with comprehensive machine records, CAD computer terminals, and technical publication libraries on the web to isolate the facts and quickly resolve crane service issues.

## Link-Belt Construction Equipment Company is a leader in the design, manufacture and sales of telescopic and lattice boom cranes, with headquarters in Lexington, Kentucky.

In the recent decade, a dynamic and highly-focused Link-Belt has emerged as a market leader in crane design and product quality standards by focusing on continuous improvement and employee empowerment.

Link-Belt's core production base and center for worldwide operations is its 500,000 sq. ft. manufacturing facility in Lexington, Kentucky. With major expansions over the last ten years, along with continuous improvement philosophies, this facility has emerged as the most modern crane facility in North America.



Lexington, Kentucky  
[www.linkbelt.com](http://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. 2/01 #4255

