

Link-Belt®
CONSTRUCTION EQUIPMENT

HYLAB

Hydraulic Lattice Boom Crawler Cranes

LS-138H

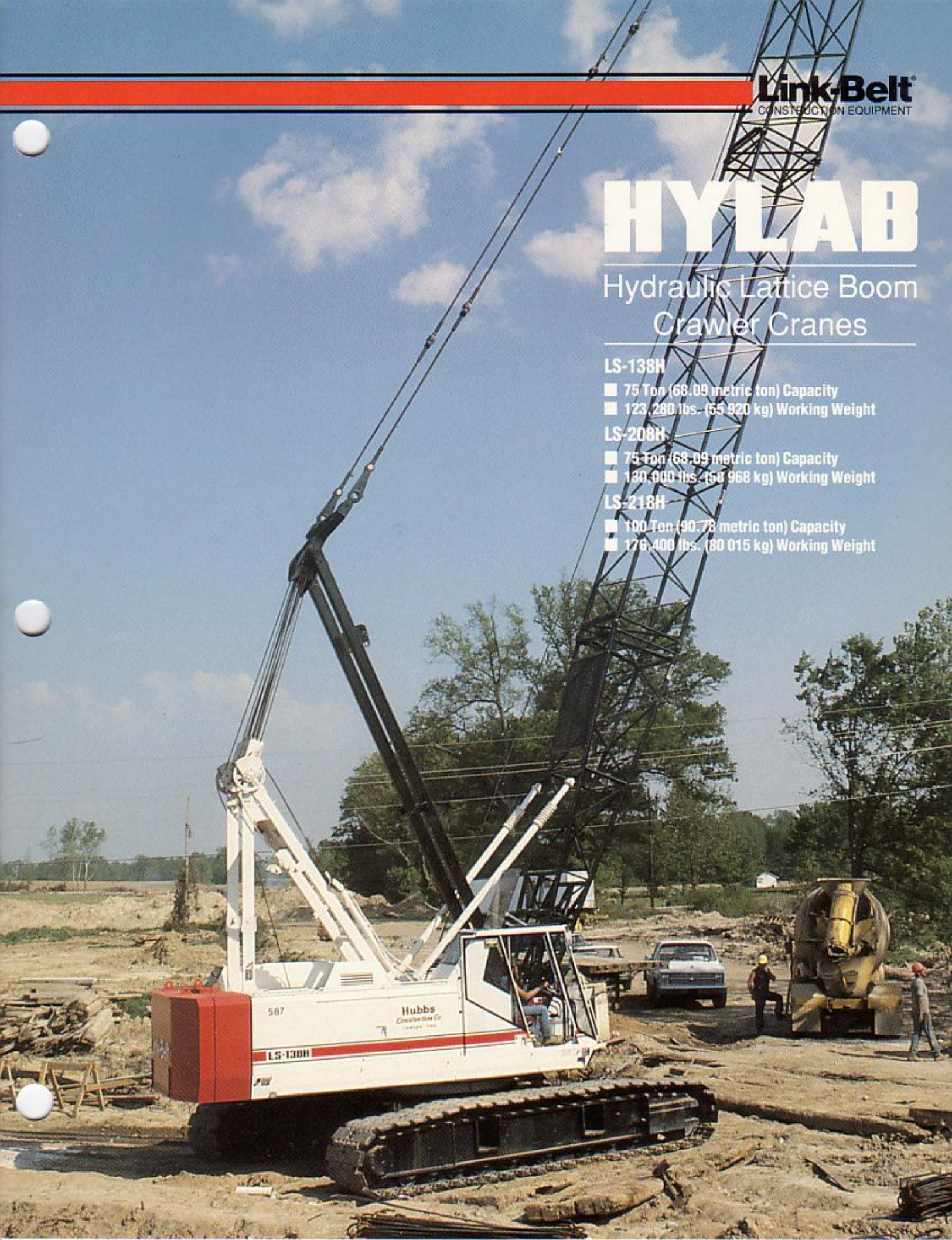
- 75 Ton (68.09 metric ton) Capacity
- 123,280 lbs. (55,920 kg) Working Weight

LS-208H

- 75 Ton (68.09 metric ton) Capacity
- 130,000 lbs. (58,968 kg) Working Weight

LS-218H

- 100 Ton (90.78 metric ton) Capacity
- 176,400 lbs. (80,015 kg) Working Weight



Transportability

Move Quickly From Job To Job - Without A Helper Crane



Minimize Dimension and Weight To reduce overall weight for transport, the counterweight can easily be removed with the self-contained counterweight removal system.

The tracks can be hydraulically retracted to under 12' (3.66 m) overall width in less than one minute.

Self Stripdown In cases where further weight reduction is required, the HYLAB series machines are designed for fast self-erection or self-stripdown. An available live mast (standard on the LS-218H) can be used as a short boom for handling crawler tracks, counterweight and boom during self-stripdown or erection.

Tracks can be removed from the cross axles for lighter transport weight. With the lower frame properly blocked, the HYLAB machines can hoist and load the tracks onto a haul unit. No auxiliary crane is required.



HYLAB - Standard Features

- ☐ Meets latest OSHA requirements for handling personnel.
- ☐ Variable speed control of all functions.
- ☐ Reliable Speed-o-Matic® power hydraulic control system.
- ☐ Selectable freefall or automatic drum brake mode.
- ☐ Infinite control of drum speed.
- ☐ Power up and power down on all drums.
- ☐ Extra wide, equal size drums easily viewed from operator's control center.
- ☐ Fine Inching Control.
- ☐ Ball bearing turntable.
- ☐ Oil filled track sprocket, idler and rollers.
- ☐ Automatic track adjustment.
- ☐ Tube or angle boom.
- ☐ Electronic service monitor.
- ☐ Swing alarm.
- ☐ Anti-two block system.
- ☐ Audible drum rotation indicators.
- ☐ Folding catwalks.
- ☐ Low 75 dB (A) noise level.
- ☐ Self-Stripdown capabilities - no helper crane needed.
- ☐ Hydraulically retractable tracks.
- ☐ Self-contained counterweight removal system.
- ☐ Third drum for pile driving (optional).

Link-Belt Construction Equipment Company Lexington, Kentucky

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

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#4108

Continuous Innovation....

The Most Revolutionary Crawler Crane Available Today

The New HYLAB Series of lift cranes feature unmatched load control, superior capacities and on-the-job productivity and reliability. These new Hydraulic Lattice Boom crawler cranes (HYLAB) feature pilot operated hydraulic controls that set the standard for Superior Lift Crane Performance.

OSHA requirements for personnel handling (OSHA "Federal Register" Article 1926.550) The HYLAB machines are factory equipped with an anti-two block system that automatically disengages the hoist function and energizes the hoist brake when activated by contact between hook block and switch on boom tip. Load can then be returned to ground level under power.

Tube or Angle Booms Tube booms and jibs provide long reach and superior capacity for erection applications. Rugged angle booms are available for combination lift crane/duty cycle operation or foundation work.

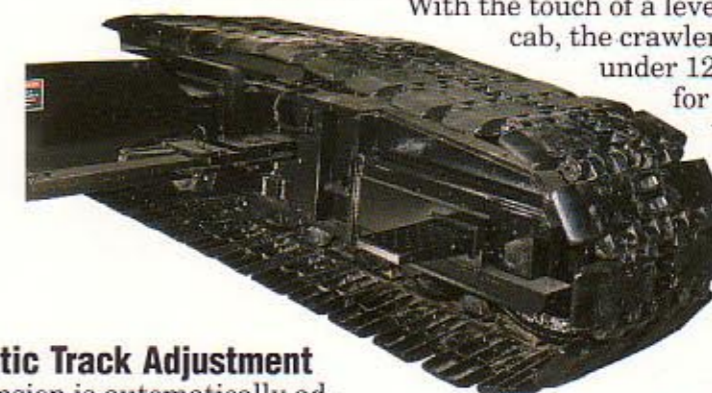
Variable Speed Travel Varying travel lever position provides infinite control of individual track speed and direction. When more precise travel or maneuverability is required, hydraulic pump flow can be reduced to a minimum by activating a pump flow switch located on the control panel and main hoist lever. This mode provides fine inching operation of travel.

Ball Bearing Turntable Features internal ring gear and grease cavity for swing pinion which contribute to smooth trouble free swing.

Maneuverability Hydraulic motors provide power for tight quarter maneuverability and precision movement. Independent control of each track allows operator to straight line travel, skid steer or counter-rotate.



Retractable Crawlers One hydraulic cylinder internally mounted in the lower carbody is used to extend or retract the crawler frames. With the touch of a lever inside the operator's cab, the crawler can be retracted to under 12' (3.66 m) overall width for easy transportation between jobsites. Where weight restrictions dictate, tracks can be removed entirely for transport.



Automatic Track Adjustment

Track tension is automatically adjusted by hydraulic cylinders located inside the crawler side frames at the idler wheel end. Tracks release during excessive tension conditions preventing damage to track shoes and drive components.



No Grease Fittings On Lower Track idler, sprocket and rollers have an oil filled lubrication system that eliminates traditional greasing of track system.



All Hydraulic Control

Variable Displacement Hydraulic System Provides Fast, Precise Load Hoisting and Lowering



Freefall Mode Select

Either automatic brake mode or true gravity controlled freefall mode of operation for load lowering can easily be selected with a conveniently placed toggle switch on the control lever. Freefall mode permits operator to pour concrete on a production basis or drop a hook quickly back to ground level for maximum productivity.

Variable Speed Hoisting/Lowering Load hoist and lower speed is directly proportional to hoist lever movement. Infinite control of drum speed allows operator to choose the most efficient combination of speed and power for each load. Maximum load hoisting speed of over 350 fpm (107 m/min) results in reduced cycle times.

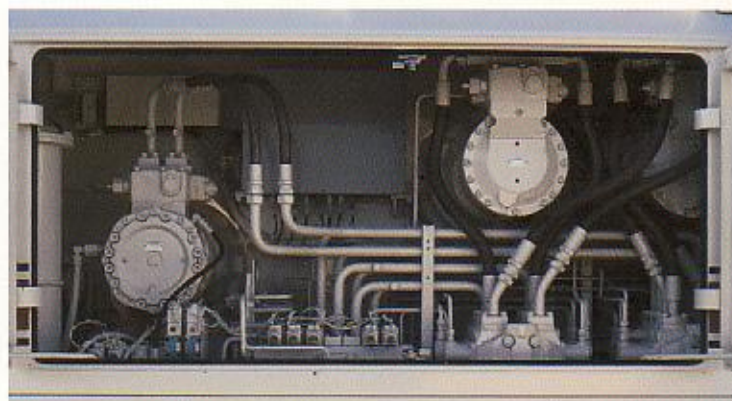


Fine Inching Control For super precise control of load lowering/hoisting, boomhoist or travel, hydraulic pump flow can be minimized by activating the pump control switch. This allows the operator to place loads with either the main or auxiliary drums with extreme accuracy.

Boomhoist Independent hydraulic boomhoist system features an automatic boomhoist brake and a limiting device that restricts hoisting boom beyond recommended minimum radius.

Swing Variable speed, smooth swing and ample torque for bucket operation is provided by the hydraulic swing system. A standard swing brake is applied by a convenient switch on top of the swing lever. A mechanically controlled positive swing lock is also provided.

Hydraulic Power System Two variable displacement piston pumps provide power to individual hydraulic motors for fast, efficient operation of main, auxiliary and boomhoist drums. Fully independent hydraulic control allows drums to be run simultaneously at different speeds or in different directions.



An integral part of the hoist drum power system is an **automatic hydraulic brake** which can be set to apply when the control levers are placed in the neutral position. For faster cycle times and increased

productivity, drums can be operated in a freefall mode with the use of Speed-o-Matic® power hydraulic **two-shoe clutches and drum brakes**. Operated by foot pedals, the large drum brakes are designed not only to withstand rugged bucket cycling but are smooth enough to ensure critical placement of a load.

Optional Third Drum

A hydraulically driven third drum is available for pile driving or other special applications.



The HYLAB series puts you in complete control

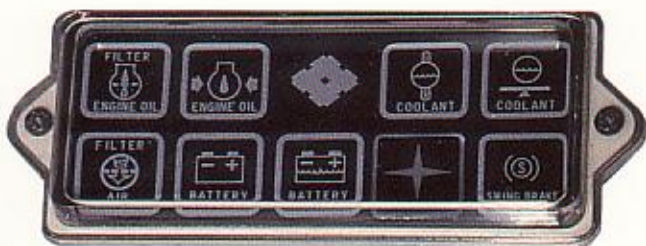
Operator Control Center Designed for maximum operator comfort and control with these standard features:

- Six-way adjustable seat.
- Insulated and isolated cab for maximum reduction of noise levels. A quiet 75 dB (A) is produced in both the cab and at ground level @ 25' (7.62 m).
- Audible drum rotation indicators.
- Adjustable pilot operated power hydraulic control levers provide precision control.
- Large safety glass front window for excellent visibility.
- Tinted glass.
- Sliding left side window and swing-up overhead window provide excellent ventilation. Front window slides down for increased ventilation.
- Heavy duty heater and defroster.
- Folding catwalks on both sides of machine.
- Hand grab rails and non-skid surfaces.



Maximum Window Area The HYLAB cab is designed to provide maximum visibility for the operator with its full view front window and swing-up overhead window.

Control Panel Conveniently located, this panel houses switches for wipers, heater, fan, working lights, high speed travel, freefall mode on control lever, ignition, and drum locks. Comprehensive and easy to read gauges monitor fuel level, engine rpm, and hydraulic oil temperature.



Service Monitor Status of oil filter, engine oil pressure, radiator water temperature, radiator water level, air cleaner, battery charge, battery fluid level and swing brake are continuously monitored; red lights indicate possible problems.

