



218

HYPALAB

HSL
SERIES

110-ton (99.97 mt) Lattice Boom Crawler Crane



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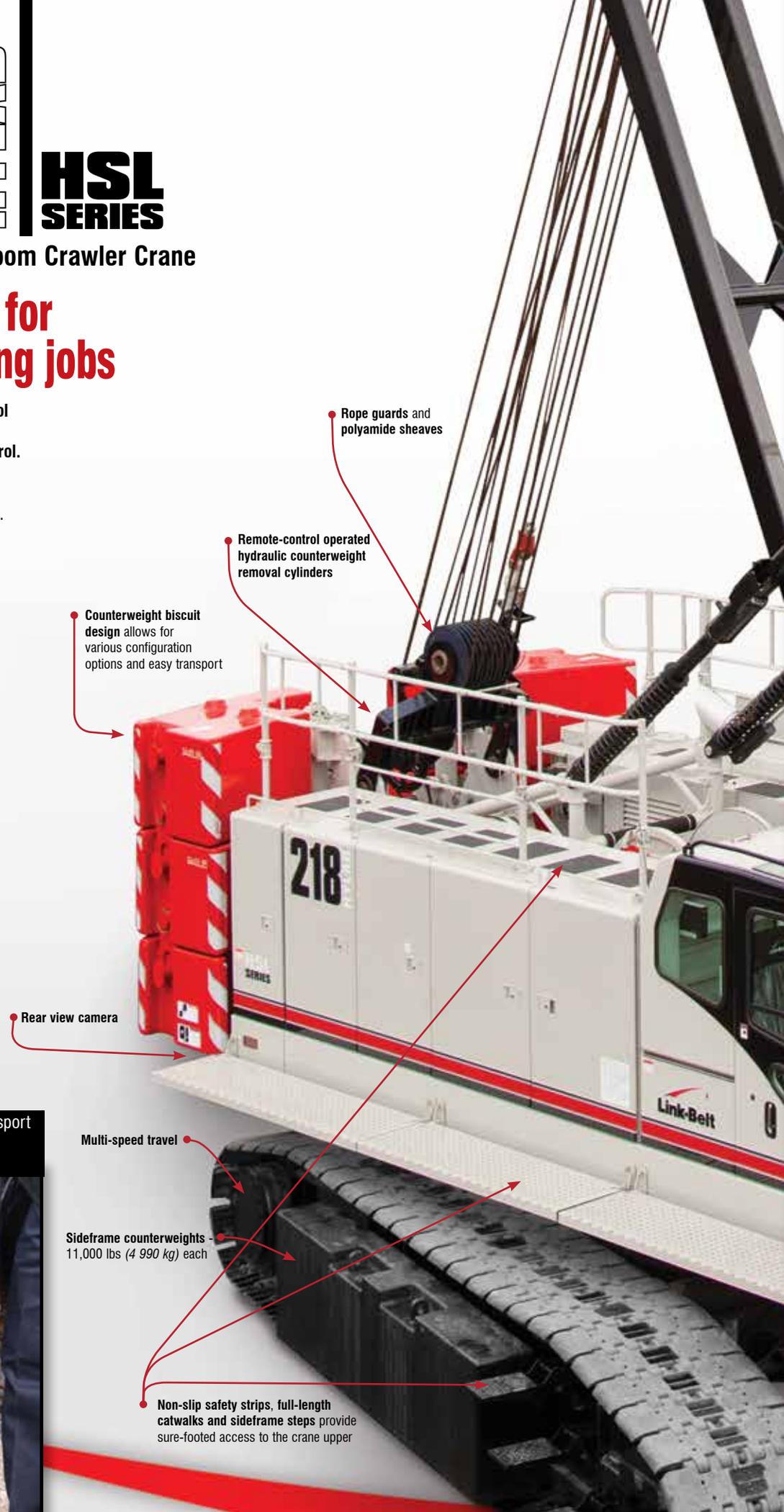
110 ton (99.97 mt) Lattice Boom Crawler Crane

Heavy-duty power for the most demanding jobs

- **Robust engine with total horsepower control** provides unbeatable line speeds under load.
- **Multi-disk wet brakes for smooth load control.** Virtually no friction drag from the planetary. Thousands of hours of duty cycle operation expected without maintenance or adjustment.
- **High travel torque**
- **Six pump main hydraulic package** provides smooth performance.
- **26 mm rope on front and rear hoists with automatic pawl and grooved lagging.**
- **Matched front & rear drum performance** with 44,565 lbs (20 214 kg) line pull.
- **True gravity freefall for cycle-type work and pile driving.**

Options include:

- **Third drum features controlled free spooling capability for pile driving applications** or power up/down as auxiliary hoist line for luffer application.
- **Rear mount fourth drum** — identical in to main and auxiliary winches.



• Rope guards and polyamide sheaves

• Remote-control operated hydraulic counterweight removal cylinders

• Counterweight biscuit design allows for various configuration options and easy transport

• Rear view camera

• Multi-speed travel

• Sideframe counterweights - 11,000 lbs (4 990 kg) each

• Non-slip safety strips, full-length catwalks and sideframe steps provide sure-footed access to the crane upper

Pin-on track extender blocks remove for transport

- 9' 9" (2.74 m) retracted gauge
- 14' 2" (4.32 m) extended gauge





Two connection points on boom. One set of lugs are for cantilevering boom. Second set is for self assembling machine.

Optional "Quick Draw" self-erecting cylinder



Spring-loaded 90° backstops unpin and rotate, allowing boom to go to 90° for luffing attachment

- Full contact 36" track shoe design for maximum contact area to minimize ground bearing pressure
- Completely sealed lower, hydraulic cylinder track tensioning and travel limit adjustment
- Sealed (oil-filled) track rollers with replaceable wear bars, drive planetaries and compact hydrostatic drives



Excellent access for all routine engine and hydraulic maintenance



Robust engine with total horse power control

- Smooth, quite efficient clean power with total horsepower control provides unmatched line speeds under loads, as well as multi function ability
- Cummins QSB 6.7L Tier 4 Final engine
- Idle engine shut off for improved fuel economy

Versatile winch package

- Matching hoist drums with 26 mm rope and 2 operating modes
- Power up power down with automatic brake
- Free fall with Link-Belts exclusive “wet brake design” provides best “feel” and control of any wet brake design along with smooth performance:
- Eco winch provides high idle speeds at idle engine RPMs for light loads



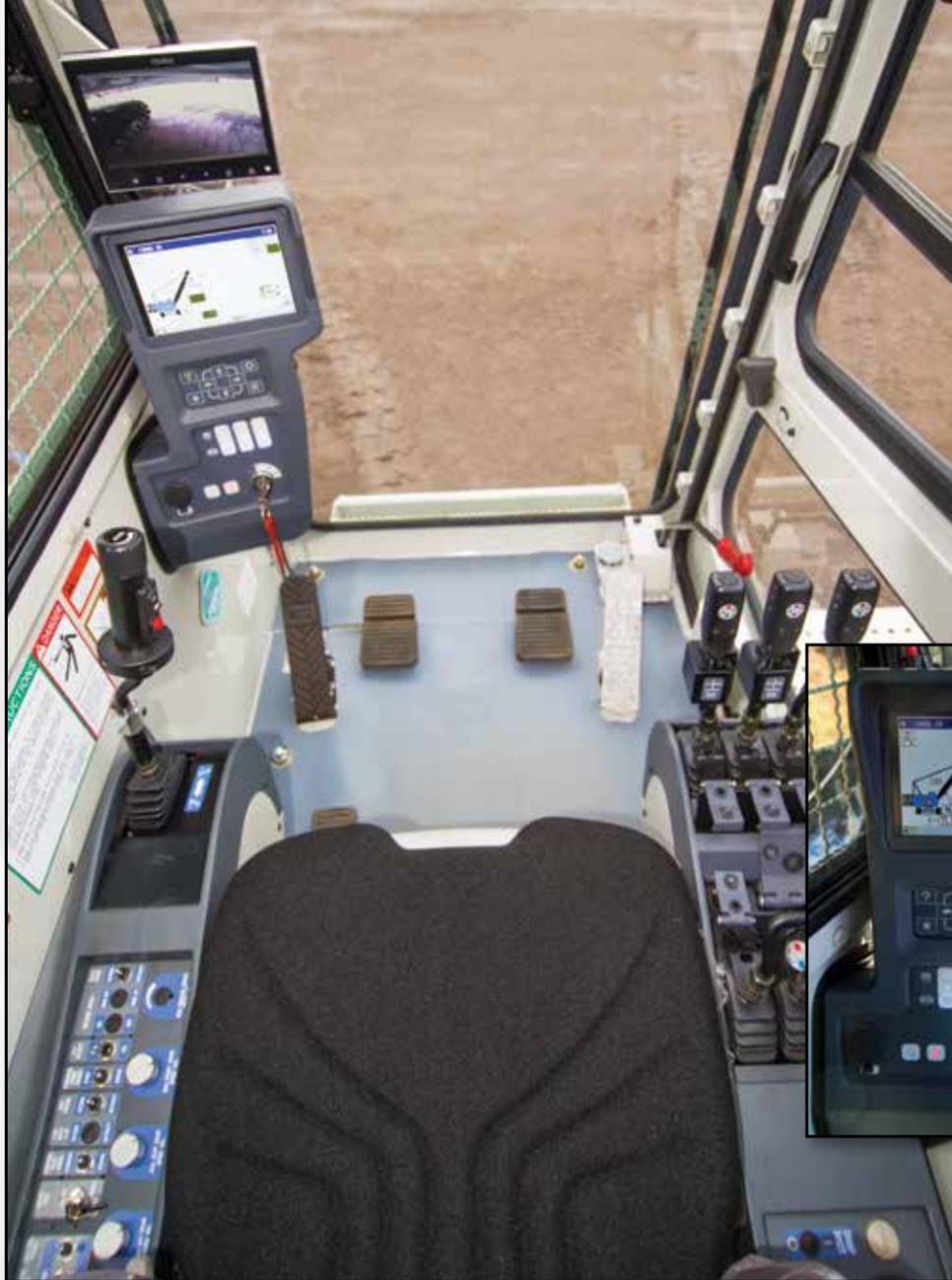
Standard fold down upper hand rails

Highly functional and comfortable cab

- Wide, uncluttered entry
- 18,000 BTU air-conditioning
- 19,000 BTU hot water heating
- Six-way adjustable seat
- Adjustable armrest console with pilot-operated single-axis controls
- Hydraulic pilot controls for variable hoist, swing and travel performance
- Variable hydraulic output from main pumps controlled by variable hand throttle for infinite control
- Low-effort hydraulic pedals with minimal range of motion can remain latched for power up/down operation
- Full function rated capacity limiter monitored by load sensing via boom hoist mounted load cell

Outstanding standard features

- HSL capacity limiter with high visibility color graphic display
- Foot operated swing brake
- Operator selectable idle engine shut off
- Camera system with full color display
- Swing limits with kickout function



Variable hand throttle for infinite main pump control.



Pilot-operated armchair controls



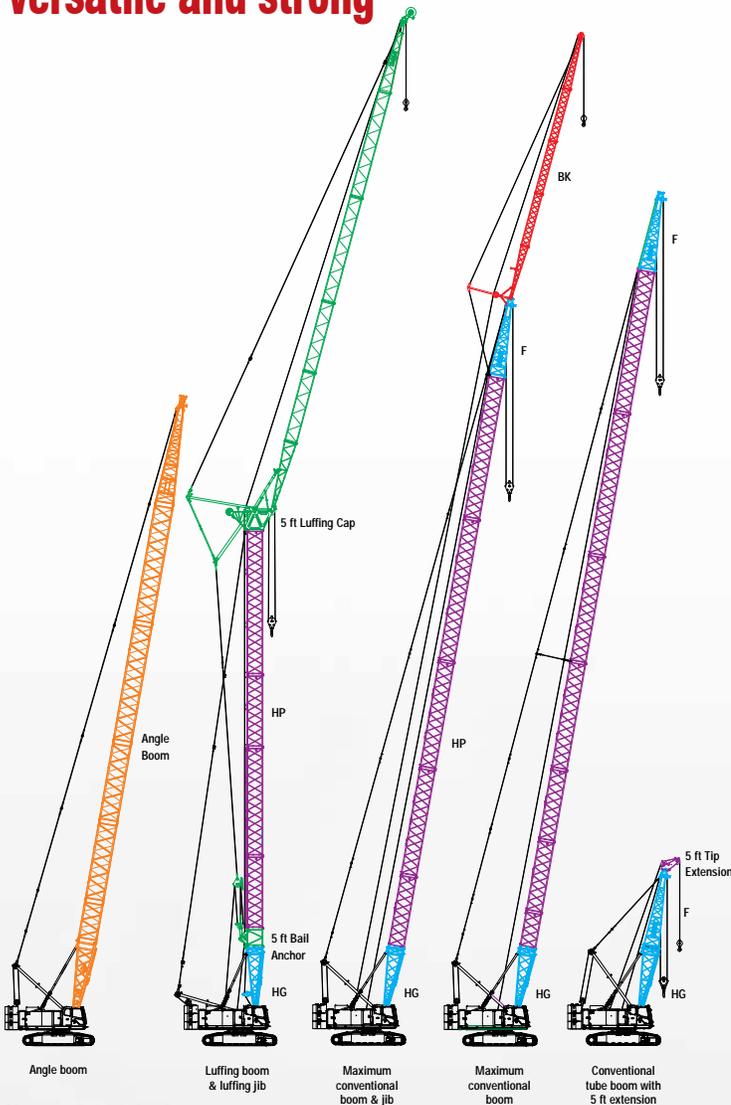
Integrated digital climate control with 5 speed fan



Hydraulic flow volume for precise control



218 HSL attachments are versatile and strong



Heavy-duty tube boom

- 40 - 230 ft (12.2 - 70.1 m) heavy-duty tubular boom
- Heavy-duty boom tip
- Maximum tip height of tube boom + jib: 278.6 ft (84.92 m)
- Conventional boom is also luffing boom

Fixed jib

- 30 - 75 ft (9.14 - 22.86 m) fixed jib
- Offset angles at 5°, 15° and 25°

Heavy duty angle boom

- 45 - 155 ft (13.72 - 47.24 m)
- Designed for rough application and handling where job site and transportation conditions are less than ideal for tube boom

Auxiliary 5' tip extension

- Designed to use in place of jib to provide clearance between working hoist lines
- Maximum capacity is 18.5 tons (16.78 mt)

Luffing boom attachment

- Maximum luffing attachment: 140 ft + 140 ft (42.7 m + 42.7 m)
- 283 ft (86.26 m) maximum working height
- 208 ft (63.40 m) maximum working 360° radius
- Working angles of 90°, 85°, 80°, 75°, 70° and 65°
- Luffing cap and fan post assembly transports as one piece



Four polymer head sheaves with maintenance free sealed bearings



Double tapered connecting pins allow installation/removal from outside of boom. Boom connecting pins store in pin catchers for transport.

The boom top section features **heavy duty polyamide sheaves** and standard **pin-on points** for attachment of options such as a fixed jib, tip extension and adapters for universal pile driving leads. **Narrow head machinery** allows pendants to rest on top of boom extensions.

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

Optional pile driving lead adapter, extended head shaft for hanging leads, three sheave idler to separate load lines



Luffer ready!

- Conventional boom extensions can be used as **luffing boom extensions**
- **3rd drum optional second hoist line**
- **Rear drum luffing jib hoist**
- **Fold-under** assembly



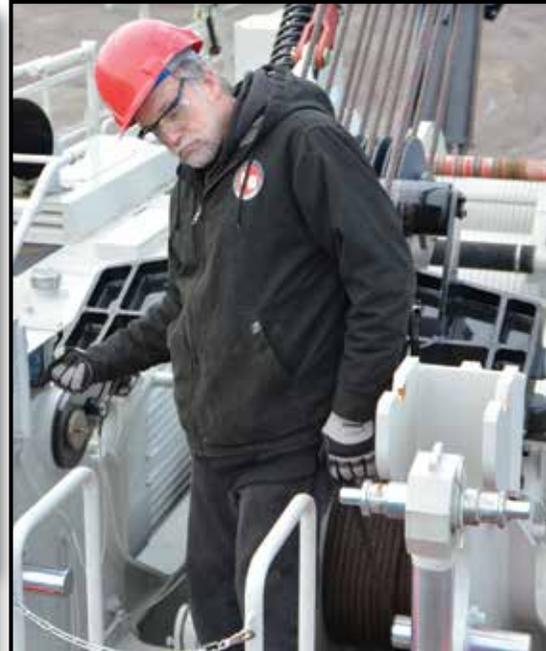
Counterweights lower completely to the ground

Main load transportability and assembly

- Transports with crawlers, rope and base — 99,960 lbs (45 341 kg)
- Transports in 4 loads total
- 7-piece counterweight system is designed for easy handling and blended load-outs
- Innovative counterweight removal system — hydraulic counterweight cylinders remain with counterweight to reduce base machine transport weight
- Counterweight removal control located at top of counterweight. Ladder included to access control station. Platform provides optimal viewing of counterweight assembly/disassembly
- Pendants can be stowed on boom extensions for transport
- Standard left and right catwalks easily remove for transport



Counterweight removal control station



Counterweight removal controls located on work platform at the rear of the crane

Optional "Quick Draw"

Quick draw single hydraulic cylinder mounted in boom base section is used for self-assembly and disassembly — no need for a helper crane or special rigging block — includes lifting sling



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 140 years. These professionals, in a 740,000 sq. ft. (68 748 m²) manufacturing facility and with a culture of continuous innovation, have pushed Link-Belt to be the most modern crane manufacturer in North America.

**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:

- A comprehensive online 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
- Online access to recommended spare parts lists, filter, lube and key lists plus maintenance information and more
- No annual fee or charges to access your crane information

Link-Belt was born because our founding father understood the importance of replacement parts.

William Bono Ewart

Building on that principal...

- Trained technical specialists
- Faster and more efficient customer service
- State of the art computer information systems
- 24 hours a day, 7 days a week
- 72,000 Sq. Ft. Parts Distribution Center
- All parts in stock ship the same business day

Link-Belt CRANES GENUINE PARTS



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