

348⁵ HYLAB⁵

Lattice Boom Crawler Crane
300-ton (272 mt)

- Wide or narrow gauge – patented
- All hydraulic controls & power
- Dual cross-section main boom
- High performance matching main hoists with 28mm rope
- Tilt cab
- High torque travel motors
- Luffing attachment utilizes conventional main boom dual cross-section
- Two lift tops available

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C R A N E S



348

HYLAB 5

- **Exceptional versatility with long range and heavy duty boom options**
- **Wide or narrow footprint**
- **Heavy duty power meets the needs for your most demanding jobs**
- **Versatile and simple counterweight system**
- **Highly functional and comfortable cab**
- **Easy to transport and assemble**

Remote-control operated hydraulic counterweight removal cylinders

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

Multi-speed travel

- Max-Trax extends tracks to allow up to 20% increase in stability area of chart
- 19' 2" (5.8 m) retracted gauge to get into tight job sites
- 22' (6.7) extended gauge for max capacities
- Full contact 50" track shoe design for maximum contact area minimizes ground bearing pressure
- Hook-and-pin side frames, hydraulic track tension system, completely sealed lower
- Hydraulic fittings located on manifold for easy access and handling
- Sealed (oil-filled) track rollers, drive planetaries and compact hydrostatic drives add up to outstanding reliability and maintenance-free operation.
- Optional 60" track shoes

Self-assembly cylinder storage location

Live mast

Hydraulic backstops

Polyamide sheaves

Live mast flip arms

348

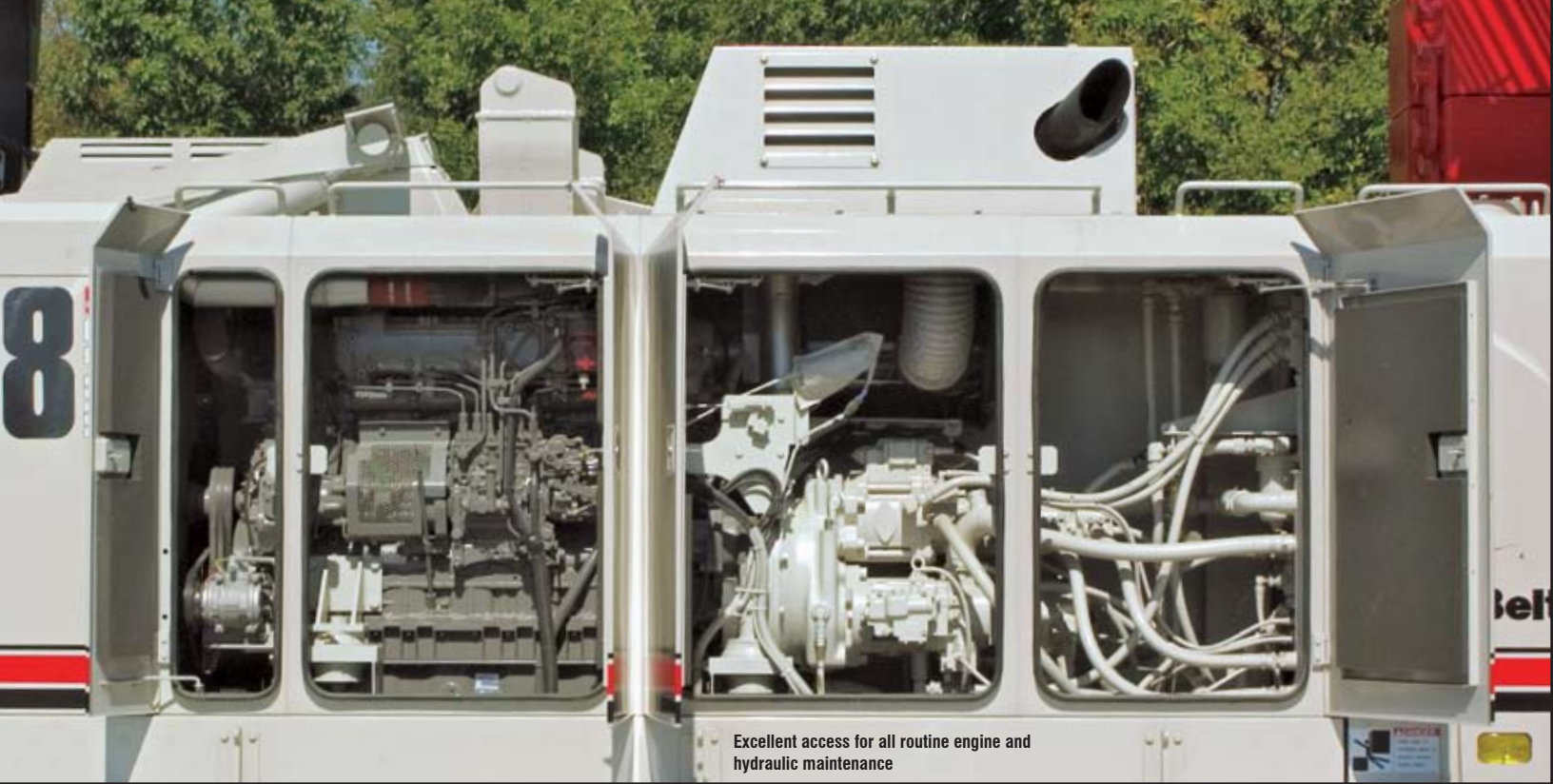
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Storage box

Carbody counterweights

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





Excellent access for all routine engine and hydraulic maintenance

Heavy-duty power meets the need for your most demanding jobs

- Robust engine with total horsepower control provides unbeatable line speeds under load
- High travel torque keeps crane mobile on job site
- Six pump main hydraulic package provides smooth, uninterrupted performance
- 28mm rope on front and rear hoists with automatic pawl and grooved lagging
- Matched front & rear drum performance with 54,000 lbs (24 494 kg) line pull
- Remote hydraulic cooler with thermostatically controlled, hydraulically operated fan
- Options include:
 - True gravity freefall for cycle-type work, pile driving
 - Optional third drum offers 32,900 lbs (14 923 kg) line pull and 375 ft/min (114.5 m/min) line speed
 - Optional rear mount fourth drum offers 36,400 lbs (16 511 kg) line pull



Shown with optional freefall



Highly functional and comfortable HYLAB cab

- Cab tilts up to 20°
- Low-effort hydraulic pedals with minimal range of motion for units equipped with freefall option
- 18,000 BTU air-conditioning
- 19,000 BTU hot water heating
- Six-way adjustable seat
- Easy-to-read backlit gauges
- 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
- Fingertip high speed hoist button for front and rear drum
- Full function SML-10 rated capacity limiter monitored by load sensing via boom hoist mounted load cell



348 HYLAB 5 attachments ... modular, versatile & strong

Heavy-duty tube boom

- 70' - 300' (21.3 - 91.4 m) heavy-duty tubular boom
- Heavy-duty boom tip
- Bar pendants
- 20' tapered section allows addition of long range boom
- Heavy-duty boom is also luffing boom

Long range boom

- 85' - 355' (25.9 - 108.2 m) long range boom
- Long range boom tip
- Bar pendants
- Used with heavy-duty base section and 20' tapered section
- Maximum tip height of tube boom + jib: 440' (134.11 m)
- Long range boom is also luffing jib

Fixed jib

- 40' - 140' (12.2 - 42.7 m) fixed jib
- Used with heavy-duty boom, long range boom or luffing jib
- Offset angles at 5°, 25° and 45°

Auxiliary 5' tip extension

- Designed to use in place of jib to provide clearance between working hoist lines
- Maximum capacity is 20 tons (18.1 mt)

Luffing boom attachment

- Heavy duty boom serves as luffing boom
- Long range boom serves as luffing jib
- Working angles of 90°, 88°, 85°, 80°, 75°, 70° and 65°
- Third drum becomes luffing jib hoist
- Rear drum provides second load hoist
- Luffing jib hoist bridle and bail can remain reeved for machine transport
- Top section of luffer transports as one piece
- Available with mid-fall option

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 with quick reeve ability.

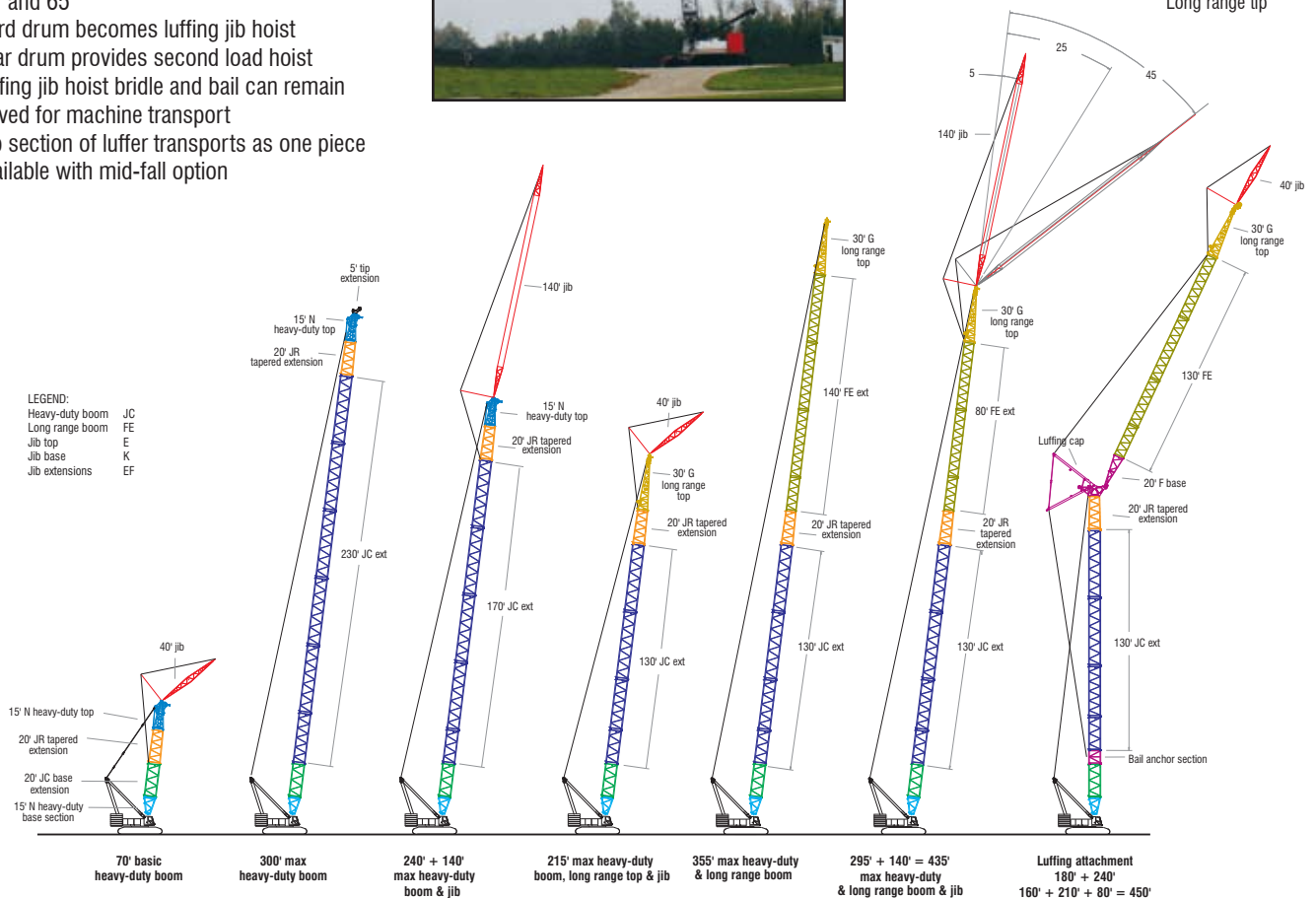
In-line boom suspension load cell, standard with anti-two block system for both front and rear drum



Heavy-duty tip



Long range tip





Transportability and assembly

- Single hydraulic cylinder mounted in live mast is used for self-assembly and disassembly — no need for a helper crane or special rigging block — includes lifting sling
- Live mast folds rearward for transport
- Bar pendants stow on boom extensions in polyamide-lined cache
- Standard left and right catwalks easily store for transport
- Counterweight removal mechanism self-removes for even lower transport weight of main unit



Crawler quick disconnects can attach in minutes — no tools required



Assembly/disassembly cylinder



Counterweight removal mechanism self-removes for even lower main load transport weight where required.



Counterweight removal mechanism detached

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Lexington, Kentucky
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