



# 298

SERIES 2

250 ton | 226.8 mt Lattice Crawler Crane

- Heavy duty combination top section for **conventional and luffing jib configuration**
- **Bar pendants & boom walkway**
- **320 hp Cummins QSL9 Tier IV Final**
- **Transport weight is 89,440 lbs | 40 569 mt** with carbody, live mast with self assemble cylinder, and hoist rope
- HSL counterweight removal system, lowers entire counterweight assembly to ground **no blocking required**
- Highly functional and comfortable cab with **latest rated capacity limiter with color graphics**
- **Standard upper guard rails**
- **Self assembles** (no helper crane needed)
- Options:
  - **Freefall system** with internal wet brakes
  - **Luffing attachment**
  - **Auxiliary tip**
  - **Offsettable jib**
  - **60 ft | 152.4 cm track shoes**





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250 ton | 226.8 mt Lattice Crawler Crane

## Heavy-duty power for the most demanding jobs

- **Main transport weight is 89,440 lbs | 40 569 kg** with carbody live mast with self assembly cylinder, and hoist rope.
- **11-piece upper counterweight system** designed with the HSL removal system
- **Latest rated capacity limiter** with color graphics
- **Superior capacities**
- **Optional luffer**
- **Matching front and rear drums:**
  - Max line pull available 53,306 lbs | 24 179 kg power up and down w/automatic brake standard
  - Max line speed 543.4 ft/min | 165.6 m/min
  - 28mm wire rope
  - 35" (.9m) wide hoist drums with Independent speed control
- **Seven pump** hydraulic package provides smooth performance for multi function operation
- **Sealed Idlers & (oil-filled) upper & lower rollers,** Replaceable upper carrier wear bar.

### Outstanding standard features:

- **Automatic brake mode** offers power up and down operation modes
- **Dual swing drives** provide smooth swing control
- **Full length removable catwalks** on both sides of the upper house

### Options include:

- **Free fall** available with LBCE exclusive wet brake design
- **Third drum** mounted in the boom base features power up/down mode with automatic brake. Provides auxiliary hoist line for luffer application.

Counterweight biscuit design allows for various configuration options and easy transport

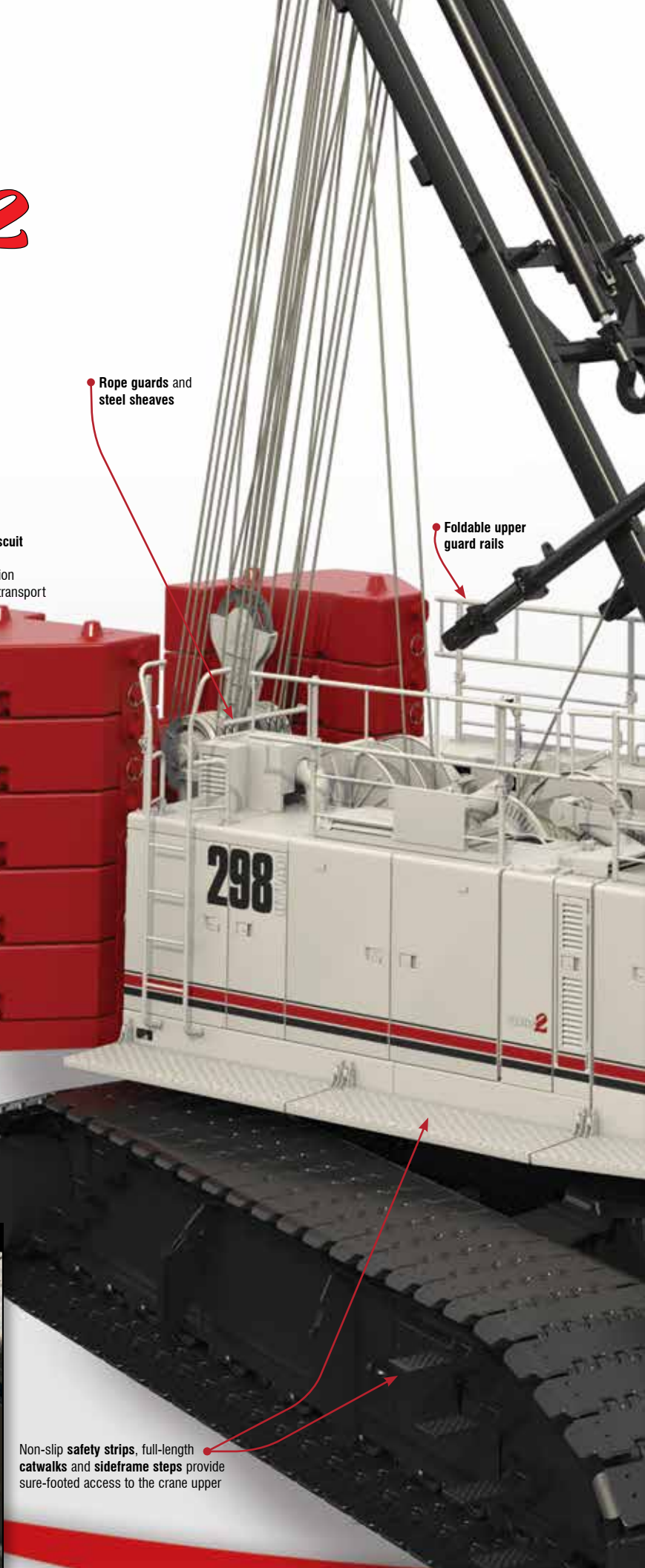
Rope guards and steel sheaves

Foldable upper guard rails

Compact, high torque final drive with multi-speed travel

Hydraulic actuated hook & pin side frames for easy installation

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





LEFT SIDE SWING CAMERA

WINCH VIEW CAMERA

REARVIEW CAMERA

### Vision package

Link-Belt offers the most comprehensive job site visibility package on the market. The 298 Series 2 features, rear view camera, left side swing, and winch view camera. All feeding to a full color 7" display in the operator's cab.

- Full contact 48" track shoe design for maximum contact area minimizes ground bearing pressure
- Completely sealed lower, hydraulic cylinder track tensioning system and travel limit adjustment
- (2) 30,000 lbs | 13 608 kg hook and pin-mounted car body counterweights
- Sealed (oil-filled) track rollers with replaceable wear bars, drive planetaries and compact hydrostatic drives

Link-Belt



# 298 Series 2 attachments are versatile and strong

## Conventional Tubular Boom

- 60-290 ft | 18.29 m - 88.39 m
- 60 ft | 18.29 m two-piece design that utilizes a 30 ft | 9.14 m base section and a 30 ft | 9.14 m open throat top section
- Maximum tip height of tube boom + jib: 342 ft 3.2 in | 104.32 m
- Bar pendants

## Luffer ready!

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

## Fixed Jib

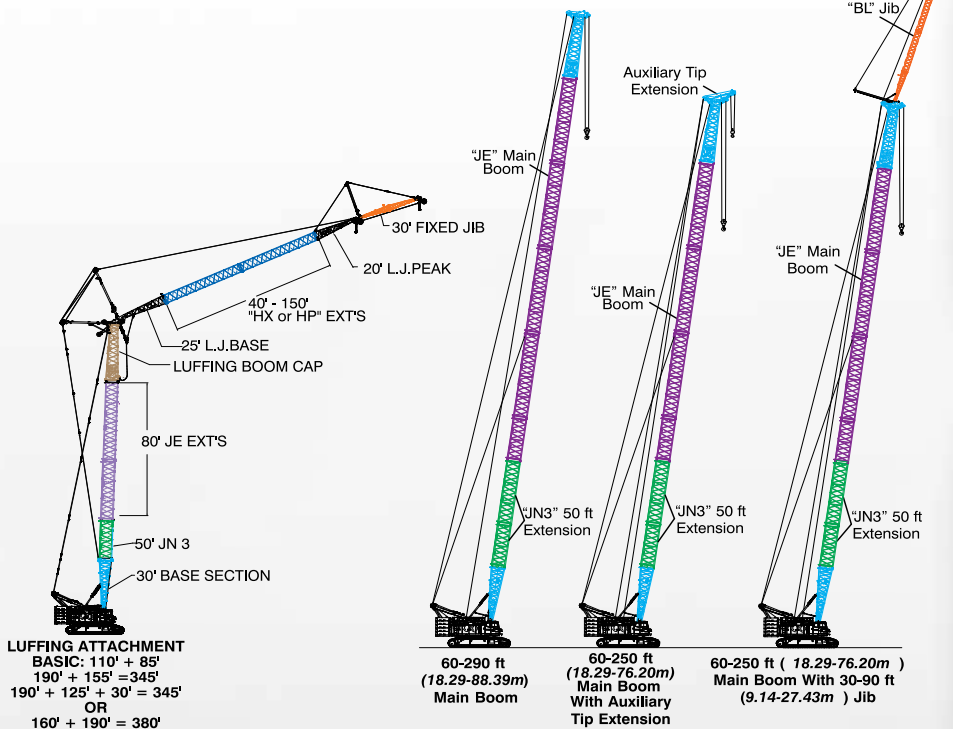
- 30 ft to 90 ft | 9.14 - 27.43 m fixed jib
- Offset angles at 10°, 20° and 30°

## Auxiliary Tip Extension 5 ft (1.5 m)

- Designed to provide clearance between working hoist lines
- Maximum capacity is 25 ton | 22.68 mt.

## Luffing Boom

- Maximum luffing attachment: 150 ft + 195 + 30 ft (45.72 m + 57.91 m + 9.14 m)
- 375.6 ft | 115.52 m maximum tip height



**Combo top**

The robust new top section of the 298 HSL Series 2 features an offset sheave design and functions as both the conventional configuration and luffing configuration boom top



**New Luffing JIB**

The newly designed 298 HSL S2 luffing package is designed for fast, simple installation.



**Boom walkway**

Link-Belt's next generation attachment features full length, wide boom walkways

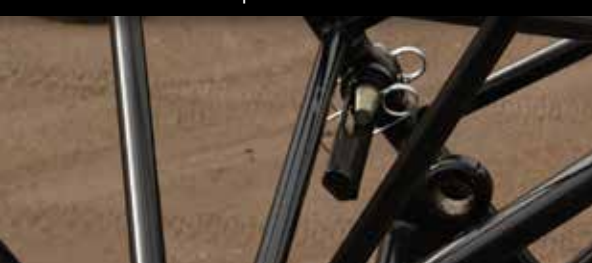
Four polymer head sheaves with maintenance-free sealed bearings



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. Standard three sheave idler allows up to 3 load line over top of boom.

**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 fixed leads.

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



**Auxiliary tip**

With a maximum capacity of 25 tons, the newly designed auxiliary tip extension provides excellent capacities and load line separation during 2 load line operations.





## Highly functional and comfortable cab

- Wide doors for easy entry
- 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
- Standard **travel pedals** 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
- **AM/FM radio**
- Optional - Low-effort free **fall hydraulic pedals** with minimal range

## Outstanding standard features

- **HSL capacity limiter** with high visibility color graphic display
- **Foot operated swing brake pedal**
- **Operator** selectable **idle engine shut off**
- **Link-Belt vision package** (3 cameras monitoring winches, rear view, and left side swing)

Hydraulic flow volume for precise control



Pilot-operated armchair controls with adjustable sliding console



Variable hand throttle for infinite main pump control.

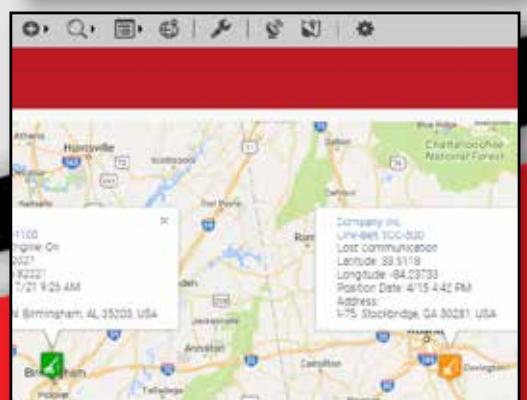


## Telematics. You own the data!

### Cellular-based data logging and monitoring system:

- Location and operational settings
- Monitor routine maintenance intervals
- Crane and engine monitoring
- Diagnostic and fault codes
- Optional data sharing with distributor & Link-Belt for real time diagnostic

Powered by  
**Link-Belt**  
**PULSE**







Excellent access for all routine engine and hydraulic maintenance



## Engine

- **Smooth, quite efficient clean power with total horsepower control** provides unmatched line speeds under loads, as well as multi function ability
- Cummins QSL 9 Tier 4 Final engine
- **Operator selectable idle engine shut off** for improved fuel economy

## Versatile winch package

- Matching hoist drums with 28 mm rope and **2 operating modes**
- Power up power down with **automatic brake**
- **Main and auxiliary winch** are equipped with eco mode providing high line speeds at idle engine RPMs for light loads
- **Optional** - Free fall with **Link-Belt's exclusive wet brake design** provides best feel and control of any wet brake design along with smooth performance

Standard fold down upper hand rails





## Transportability and assembly

- **Main transport load with upper crane body, live mast & ropes** - 89,444 lbs | 40 569 kg
- **11-piece upper counterweight system** is designed for easy handling and blended load-outs
- **Innovative counterweight removal system**
- **Bar pendants can be stowed on boom extensions** for transport
- **Standard left and right catwalks** easily fold-up for transport



Counterweights lower completely to the ground

Pull counterweight pin & lower counterweights to ground



Unlatch cylinders and tray from counterweight then retract cylinders for transport





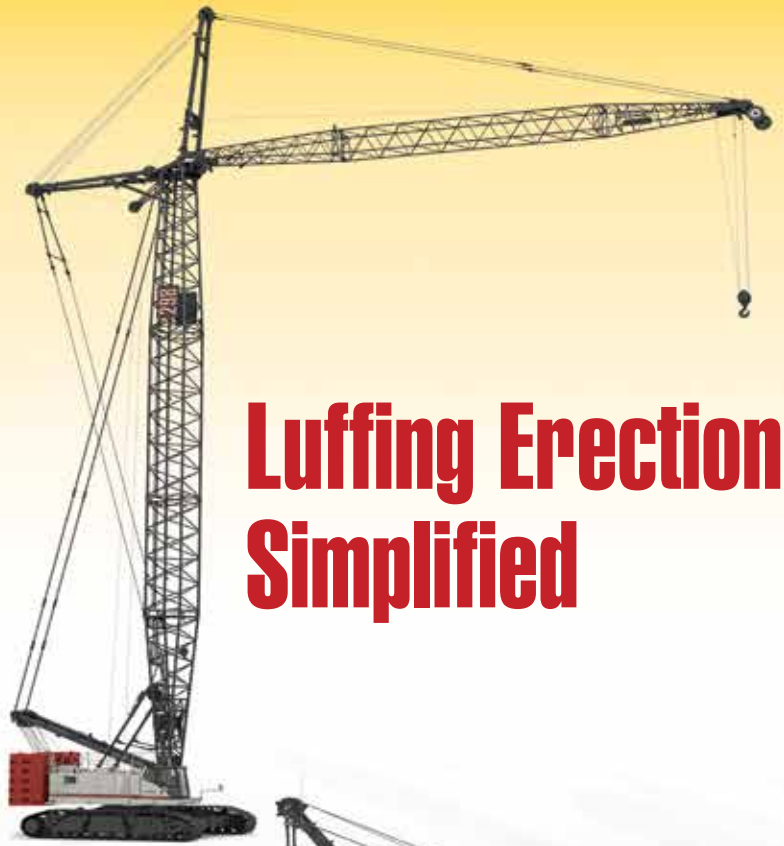
## Luffing jib transport configuration

The Luffing Jib Transport Configuration (as seen above) is a neat, compact package that includes the 25 ft (7.6m) luffing jib base section along with the front and rear luffing jib fan posts. The compact nature of this assembly maintains a transport height of less than 9 ft (2.8m)

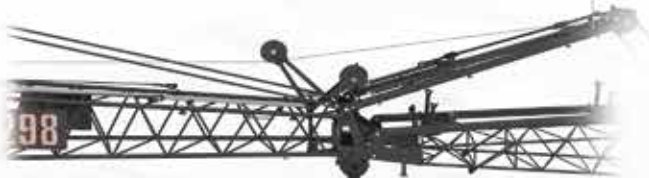


## Erection pendant

The rear post features an erection pendant that is utilized to hoist the rear post into position. The erection pendant is lowered to the ground with the helper crane when needing to be unhooked thus mitigating exposure to working at height.



# Luffing Erection Simplified



## 'Hook n' Pin' installation

The luffing jib 'Hook n' Pin' installation procedure greatly simplifies the process for mating the luffing jib to the boom top. The 'Hook n' Pin' enables consistent pin hole alignment between the jib and boom top.



**HOOK N' PIN  
INSTALLATION**



## Making the connection

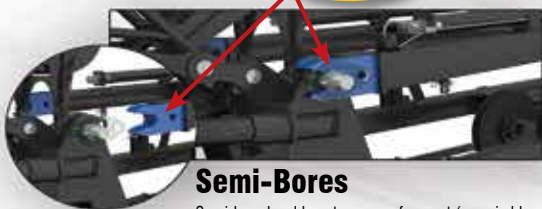
Making backstay pendant and backstop tube connections can be easily completed as a result of the rear posts ability to rotate beyond vertical.

## Transfer Links

Transfer links allow for the consistent alignment of the rear post and the pin locations on luffing boom top section. The rear post simply rides the transfer links into pinning position.



**SEMI BORES**

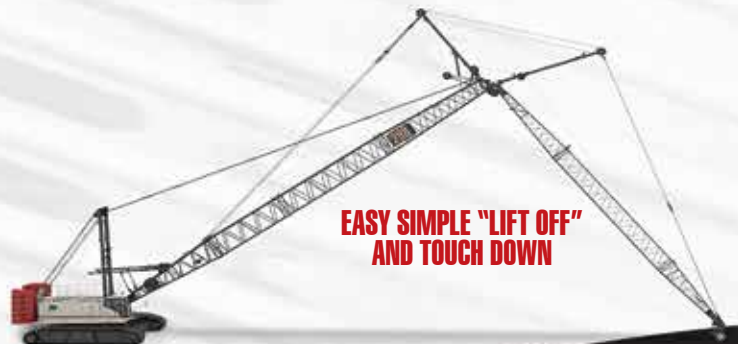


## Semi-Bores

Semi-bored weldments on rear fan post (seen in blue above) mate easily to the boom top section with ease.



The rear post is supported in the vertical position by the back stop tubes during assembly.



**EASY SIMPLE "LIFT OFF"  
AND TOUCH DOWN**

**Link-Belt**  
CRANES

Link-Belt Construction Equipment Company  
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