

SUPERSTRUCTURE

Boom

4,2 m – 10,0 m (13 ft 10 in – 32 ft 10 in) three-section full power boom.

Maximum tip height: 11,6 m (38 ft 2 in)

*Boom extension

3,6 m (12 ft) offsettable extension
3,6 m - 5,4 m (12 ft-18 ft) telescopic offsettable extension

Boom nose

Single sheave, three-position (0°, +30°, +80°) pivoting boom nose for minimizing head space requirements. Lowers head height. 0,26 m (10.5 in) when nose is pivoted fully forward.

Boom elevation

Single double acting hydraulic cylinder with integral holding valve. Elevation: 0° to 72°

Anti-Two block system

Standard anti-two block device, when activated, provides an audible warning to the crane operator and disengages all crane functions when movement can cause two-blocking.

Load indicator (LSI)

A simple, effective, and easy to use load indicating system used in conjunction with the anti-two block system to assist the operator in efficient operation of the unit within the limits of the load chart. The display panel displays the hook load and warns the operator when a preset load capacity is exceeded. The warning is by a flashing light on the display panel. In conjunction with the load display panel (receiver), there is a wireless transmitter and load sensing pin attached to the boom head that transmits the hook load to the display panel.

(wireless system)

*Rated Capacity Limiter (RCL)

Similar to the Load Indicator, but stops the telescope out and boom lift down function when a load limit is exceeded. Uses a similar display panel with the addition of displaying boom angle and boom length read outs on the panel.

(wireless system)

*Load Moment Indicator

Digital display of boom angle, boom length, boom radius, capacity, and allows for operator in-put to set the limits based on load chart. Displays color coded light bar and audible alarm with function cutout if load exceeds entered parameters.

(hardwired system)

Swing

Ball bearing swing circle with 360° continuous rotation.

Hydraulic driven worm gear and pinion.

Maximum speed: 2.05 rpm

Hydraulic system

Variable displacement piston pump and piggyback gear pump.

Combined flow: 107,9Lpm (28.5 gpm)

Maximum system operating pressure: 3600 psi

Six section valve bank chassis mounted; operated via dash mounted, pilot pressure hydraulic joysticks.

Return line filter with full flow by-pass protection and service indicator.

89 L (23.5 gal) hydraulic reservoir with sight level gauge and steel side plating to guard against side impact damage.

Hoist

Piston motor drive with spring applied/hydraulic released brake.

Drum Diameter:

0,27 m (10.63 in)

Maximum Single Line Pull:

6350 kg (14,000 lb)

Maximum Single Line Speed:

36,6 m/min (120 fpm)

Maximum Permissible Single Line Pull:

4536 kg (10,000 lb) (14,0mm [9/16 inch] EEIPS)

Rope Length :

36,6 m (120 ft)

CARRIER

Frame

High strength alloy steel constructed with integral outrigger housings; front and rear lifting, towing, and tie-down lugs. 42 ft.² carrydeck size with 6350 kg (14,000 lb) carrying capacity. Deck coated with anti-skid treatment.

Outriggers

Front and rear oblique type beams at all four corners with integral holding valves. Outrigger pads form an integral part of the beam.

Padsize: 18 cm x 20 cm (7.4 in x 7.8 in)

Outrigger controls

Lever controls located on dash panel which operate the beams in pairs from side to side.

Standard engine (Tier III)

Cummins QSB 3.3 L turbo-charged diesel rated at 63,4 kW (85 bhp) at 2600 rpm. Supplied with 110 V engine block heater and air intake grid heater.

*Optional engine

G.M. 3.0 L EFI dual fuel (gasoline / L.P.) rated at 59,6 kW (80 bhp) at 2600 rpm.

Operator's control station

Frame mounted, open air style control station with cab shell. Includes all crane functions, driving controls, and overhead safety glass. Other standard equipment include a durable weather resistant seat with seat belt, hourmeter, sight level bubble, and fire extinguisher. The dash panel includes engine oil pressure gauge, engine water temperature gauge, fuel gauge, transmission low oil and high temperature warning lights, low battery warning light, and brake system low pressure warning light. The LSI (load indicator) receiver is mounted to the top of the dash and provides warning for A2B and exceeded load capacity.

*Operator's control station enclosed

Includes the standard cab shell with the addition of front and rear glass and glass on the right side. Hinged full door with sliding glass.

Front windshield wiper, heater and defroster is included.

Fuel tank capacity

70 L (18.5 gallon) all steel construction with steel side plate to guard against side impact.

Electrical system

One 12V maintenance free battery, 820CCA @ 0°.

Jump start connections
63 amp alternator.

Drive

4 x 2 – Front axle drive with planetary hubs and limited slip Differential.

Steer

Two-wheel, four-wheel with crab steer

Outside turning radius:

Two w/s: 4,47 m (14 ft 8 in)

Four w/s: 3,10 m (10 ft 2 in)

Transmission

Synchromesh -four- speeds forward and reverse with stalk mounted forward/reverse selector.

Axles

Front: Planetary drive/steer with internal multi-wet-disc brakes and limited slip differential.

Rear: Fabricated non-drive steer with disc brakes

Tires

10.00 x 15 16PR pneumatic

Brakes

Hydraulic actuated internal wet-disc service brakes acting on all four wheels. A dash mounted toggle switch activates the dry disc parking brake on the transmission output yoke with a dash warning light.

Suspension

Front: Rigid mounted to frame.

Rear: Rigid mounted to frame

Lights

Recessed mounted, includes head, tail, rear work, stop, and turn signals.

Maximum speed

35,6 km/h (22 mph)

Gradeability (theoretical)

57%....no load

31%.... 5443 kg (12,000 lb) load

Gross vehicle weight

7734 kg (17,050 lb)

Miscellaneous standard equipment

Single sheave, "Quick Reeve" style hookblock 8,1 t (9US t); back up alarm

**Denotes optional equipment.*