Capacity 40 tons (37,500 kg)
Standard fifth jack for 360° duties
Maximum on-board tip height 164 ft. (50m)
Optional 32 ft. - 56 ft. (9.8-17m) telescopic swingaway offsets 0°, 15° and 30°
Superstructure specifications

**Boom**
34 ft. to 104 ft. (10.4 m - 31.7 m) four section Trapezoidal† power pinned boom. Telescopic sections slide on adjustable and replaceable nylatron pads. Maximum tip height: 109 ft. (33.2 m).

**Swingaway Extension**
32 ft. (9.8 m) lattice swingaway boom extension stows alongside base boom section when not in use. Maximum tip height: 140 ft. (42.7 m).

*Optional Telescopic Swingaway*
32 ft. to 56 ft. (9.8 m-17 m) telescopic lattice swingaway extension with offset links, offsettable at 0°, 15° or 30°. Stows alongside base boom when not in use. Maximum tip height: 164 ft. (50.0 m).

*Optional Offsettable Swingaway*
32 ft. (9.8 m) lattice swingaway. Boom extension stows alongside base boom section when not in use. Offsettable at 0°, 15° or 30°. Maximum tip height: 160 ft. (48.7 m).

**Boom Nose**
Four sheaves mounted on heavy duty tapered roller bearings with removable pin-type rope guards. *Optional: removable auxiliary boom nose with removable pin type rope guard.*

**Boom Elevation**
Two double acting hydraulic cylinders with integral holding valve provides elevation from -3° to 76°.

**Load Moment & Anti-Two Block System**
Standard load moment and anti-two block system with audio-visual warning and control lever lockout. These systems provide electronic display of boom angle, length, radius, tip height, relative load moment, maximum permissible load, load indication and warning of impending two-block conditions.

**Cab**
Full vision, all steel fabricated with acoustical lining and tinted safety glass throughout. Dash panel incorporates gauges for all engine functions. Other standard features include: hinged skylight, sliding left side door and sliding right side window, electric windshield wash-wipe, circulating air fan, heater, swing horn, fire extinguisher, seat belt. *Optional items: electric skylight wiper and air conditioning (Special Order).*

**Swing**
Ball bearing swing circle with 360° continuous rotation. Grove "glide swing" with foot actuated disc brake, spring applied, hydraulically released park brake and 360° positive turntable lock. Combination controls provided for hand or foot operation. Swing speed 2.6 RPM.

**Counterweight**
Fixed position pinned to turntable. Weight varies depending on host configuration.

**HYDRAULIC SYSTEM**
- **Pumps**
- **Valves**
  Precision four way double acting control valves. 4 individual valve banks permit simultaneous control of multiple crane functions.
- **Filter**
  Return line type, full flow with by-pass protection and filter by-pass indicator, replaceable cartridge. 15/30/38 filtration rating.
- **Reservoir**
  127 gallons (481 L) with spin-on breather filter, external sight gauge, clean out access, strap mounted to frame.
- **Oil Cooler**
  Full flow, fin and tube, oil to air.

**HOIST SPECIFICATIONS**
Series parallel circuitry and two motors provide both high line pull and speed ranges. Power up and down, equal speed, planetary reduction with integral automatic brake and electronic hoist drum rotation indicator.

<table>
<thead>
<tr>
<th>Make/Model</th>
<th>Main Hoist HJ30B-16</th>
<th>Auxiliary Hoist HJ50B-16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>High Range</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bottom layer</td>
<td>396 FPM</td>
<td>198 FPM</td>
</tr>
<tr>
<td>single line (121 m/min)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>speed</td>
<td>460 FPM</td>
<td>230 FPM</td>
</tr>
<tr>
<td>layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(140 m/min)</td>
<td>526 FPM</td>
<td>263 FPM</td>
</tr>
<tr>
<td>Top layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(160 m/min)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bottom layer</td>
<td>8,161 lbs.</td>
<td>16,322 lbs.</td>
</tr>
<tr>
<td>single line</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pull</td>
<td>3,701 kg.</td>
<td>7,404 kg.</td>
</tr>
<tr>
<td>Intermediate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>layer</td>
<td>7,028 lbs.</td>
<td>14,056 lbs.</td>
</tr>
<tr>
<td>(3182 kg)</td>
<td>6,172 lbs.</td>
<td>12,344 lbs.</td>
</tr>
<tr>
<td>Top layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2799 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum</td>
<td>12,920 lbs.</td>
<td></td>
</tr>
<tr>
<td>permissible</td>
<td>(5861 kg)</td>
<td></td>
</tr>
<tr>
<td>line pull</td>
<td>w/ std. wire rope</td>
<td></td>
</tr>
<tr>
<td>w/5:1 Strength Factor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum</td>
<td>508 ft. of 3/4&quot; dia () rope</td>
<td></td>
</tr>
<tr>
<td>rope</td>
<td>155 m of 19mm</td>
<td></td>
</tr>
<tr>
<td>stowage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note: 500 ft. (152m of 19mm) supplied with basic unit for main hoist.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Carrier specifications

### Frame
- High strength alloy steel all welded box-type construction with integral outrigger boxes and front/rear lifting, towing and tie down lugs.

### Outrigger System
- Hydraulic single stage double box telescopic beam and jack outriggers with integral holding valves. All steel fabricated quick release type outrigger floats 24" (610mm) diameter. Standard fifth wheel stabilizer for 360° duties.

### Outrigger Controls
- Located in superstructure cab. Push button controls requiring two-handed operation for safety. Crane level indicator (sight bubble) adjacent to controls.

### Engine
- Detroit diesel 6-71N six cylinder, naturally aspirated water cooled diesel, 426 cu. in. (7 L) 230 bhp (172 kw) (Gross) @ 2100 RPM. Maximum torque 611 ft. lbs. (845 kg/m) @ 1600 RPM.

### Fuel Tank Capacity
- (1) 90 gallon (341 L)

### Electrical System
- Four 12 volt - maintenance free batteries, 24 volt starting.

### Drive
- 8 x 4

### Steering
- Front axle steering, cam and lever type with hydraulic assist.

### Transmission
- Manual with 13 speeds forward and 3 reverse.

### Axles
- Front: Rockwell beam type steer axles.
- Rear: Rockwell SS18 drive tandem, with inter-axle differential and dash mounted control.

### Suspension
- Front axles (1 & 2) spring mounted tandem.
- Rear axles (3 & 4) solid mount tandem with equalizing beam and solid steel saddles.

### Tires
- **Front:** 15.00x22.5-16PR duplex highway tread tubeless singles.
- **Rear:** 11.00x20-14PR highway tread tube type duals.

### Optional Tires
- **Front:** 16.5x22.5-16PR duplex highway tread tubeless and 12.00x20-18PR Michelin radial tube type.
- **Rear:** 11.00x20-14PR highway tread SRL or HCT tube type radial and 12.00x20-18PR radial tube type.

### Brakes
- Full air on all wheels. Air dryer provided to preclude moisture accumulation. Spring set emergency brake on both rear axles with emergency release.

### Lights
- Full lighting including head, tail, braking, reversing, directional and hazard warning lights.

### Cab
- One man design, all steel fabricated with acoustical lining and tinted safety glass throughout. Deluxe fabric covered fully adjustable seat. Complete driving controls and engine instrumentation including tachometer, speedometer, voltmeter, water temp, oil pressure, fuel level, air pressure gauge. Other standard items include hot water heater/defroster, electric windshield wash/wipe, fire extinguisher, seat belt and door and window locks.

### Maximum Speed
- 51.5 MPH (82.9 kph)

### Gross Vehicle Weight & Axle Loads
- **Front Tandem:** 28,743 lbs. (13,058 kgs)
- **Rear Tandem:** 43,884 lbs. (19,906 kgs)
- **G.V.W.:** 72,627 lbs. (32,944 kgs)
  (includes 32 ft. swingaway)

### Miscellaneous Equipment
- Dual rear view mirrors, hookblock bed down sling, electronic back-up alarm, light package.

### Equipment
- **Optional Equipment**
  - * Immersion engine block heater
  - * Hookblocks/Headache racks
  - * Spare wheel assembly
  - * Pintle hook front and rear
  - * Working lights
  - * Engine low oil pressure, high water temperature audio/visual warning system
  - * 360° rotating beacon
  - * Tool kit
  - * Dual base boom mounted floodlights

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*Optional equipment or separate pricing.*