Max. Lifting Capacity: 80 t x 3.6 m
Max. Crane Boom Length: 54.9 m
Clamshell
Max. Lifting Capacity:
7.5 metric ton x 16.0 m
Max. Boom Length:
24.4 m

Crane Boom
Max. Lifting Capacity:
80 metric ton x 3.6 m
Max. Boom Length:
54.9 m
Hammer Grab
Max. Lifting Capacity: 11 metric ton x 16.0 m
Max. Boom Length: 21.3 m
**Power Plant**

Model: Hino diesel engine P11C-UN  
Type: Water-cooled, direct fuel injection, with turbocharger  
Complies with NRMM (Europe) stage IIIA and US EPA Tier III.  
Displacement: 10.520 liters  
Rated Power: 247 kW/2,000 min⁻¹ (rpm) (ISO)  
Max. torque: 1,300 N•m/1,500 min⁻¹  
Cooling system: Liquid, recirculating bypass  
Starter: 24 V/6.0 kW  
Radiator: Corrugated type core, thermostatically controlled  
Air cleaner: Dry type with replaceable paper element  
Throttle: Electric throttle control, twist grip type  
Fuel filter: Replaceable paper element  
Batteries: Two 12V, 170 Ah/20HR capacity batteries, series connected.  
Fuel tank capacity: 400 liters

**Load Hoist System**

Front and rear drums for load hoist powered by a hydraulic variable plunger motors, driven through planetary reducers.  
Positive & Negative Brake: Forced-circulation oil-cooled wet-type multi-disc brake, each using positive and negative actuation. The drums are manually locked by the control cable. Both positive and negative brake systems are available in lever neutral position.  
Drum lock: External ratchet for locking drum.  
Drums:  
Front drum:  
614 mm P.C.D. x 617 mm wide drum, grooved for 26 mm wire rope. Rope capacity is 170 m working length and 242 m storage length.  
Rear drum:  
614 mm P.C.D. x 617 mm wide drum, grooved for 26 mm wire rope. Rope capacity is 125 m working length and 242 m storage length.  
Note: Rope lengths listed above denote drum capacity and may differ from actual rope lengths supplied when machinery is shipped.  
Line speed: Single line on the first drum layer  
Hoisting/Lowering: 120 to 3 m/min  
Line Pull (Single-line):  
Max. line pull: 196 kN (20 tf) (1st layer)  
Rated line pull: 108 kN (11 tf)  
Note: Max. line pull is theoretical values under certain test condition.

**Swing System**

Swing unit is powered by hydraulic motor driving spur gear through planetary reducer, the swing system provides 360° rotation.  
Swing parking brakes: A spring-set, hydraulically released multiple-disc brake is mounted on swing motor.  
Swing circle: Single-row ball bearing with an integral internally cut swing gear.  
Swing lock: Manually, four position lock for transportation  
Swing speed: 4.0 min⁻¹ (rpm)

**Upper Structure**

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine with low noise level. Complies with EC Directive 2000/14/EC.  
Counterweight: 25.7 ton
**Main Specifications (Model: BME800HD)**

### Crane Boom
- Max. Lifting Capacity: 80 t (3.6 m)
- Max. Length: 54.9 m

### Main & Aux. Winch
- **Wire Rope Diameter**: (Standard) 26 mm, (Optional) 28 mm
- **Max. Line Speed**: 120 m/min (1st layer), 110 m/min (1st layer)
- **Rated Line Pull (Single-line)**: 108 kN (11.0 tf), 132 kN (13.5 tf)
- **Max. Line Pull (Single-line)**: 196 kN (20.0 tf), 245 kN (25.0 tf)
- **Wire Rope Length**: 170 m (Main), 125 m (Aux.)

### Working Speed
- **Swing Speed**: 4.0 min⁻¹ (rpm)
- **Travel Speed**: 1.9/1.2 km/h

### Power Plant
- **Model**: Hino P11C-UN
- **Engine Output**: 247 kW/2,000 min⁻¹ (rpm)
- **Fuel Tank Capacity**: 400 liters

### Main Specifications (Model: BME800HD)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Weight</th>
<th>Ground pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crane boom</td>
<td>Approx. 81 t</td>
<td>97 kPa (0.99 kgf/cm²)</td>
</tr>
</tbody>
</table>

### Weight

Including upper and lower machine, 25.7 ton counterweight and 6.7 ton carbody weight, 12.2 m basic boom hook, and other accessories.

### Attachment

**Boom**
Welded lattice construction using tubular, high-tensile steel chords with pin connections between sections.

### Boom Length

<table>
<thead>
<tr>
<th>Min. length (Min. Combination)</th>
<th>Max. length (Max. Combination)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crane boom</td>
<td>12.2 m</td>
</tr>
</tbody>
</table>

### Hydraulic System

- **Main Pumps**: 3 variable displacement
- **Max. Pressure**: 31.9 MPa (325 kgf/cm²)
- **Hydraulic Tank Capacity**: 440 liters
- **Self-Removal device**: Standard counterweight removal
- **Operating Weight**: Approx. 81 t
- **Ground Pressure**: 97 kPa (0.99 kgf/cm²)
- **Counterweight**: 25.7 t (Upper), 6.7 t (Lower)
- **Transport Weight**: Approx. 45 t

Units are SI units, { } indicates conventional units.

Line speed in table are for light loads. Line speed varies with load.

* Including upper and lower machine, 25.7 ton counterweight, 6.7 ton carbody weight, 12.2m basic boom, hook and other accessories.
** Base machine with gantry, crawlers, wire ropes for main and aux. winches, and lower spreader (Refer to P12).
***Max. line pull is theoretical values under certain test condition.
GENERAL DIMENSIONS

Crane Boom

Limit of Hook Lifting

<table>
<thead>
<tr>
<th>Hook</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 t hook</td>
<td>4.3 m</td>
</tr>
<tr>
<td>50 t hook</td>
<td>4.1 m</td>
</tr>
<tr>
<td>32 t hook</td>
<td>4.1 m</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hook</th>
<th>L'</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 t ball hook</td>
<td>4.2 m</td>
</tr>
</tbody>
</table>
## BOOM ARRANGEMENTS

<table>
<thead>
<tr>
<th>Boom length m (ft)</th>
<th>Boom arrangement</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2 (40)</td>
<td><img src="image1" alt="boom_arrangement" /></td>
</tr>
<tr>
<td>15.2 (50)</td>
<td><img src="image2" alt="boom_arrangement" /></td>
</tr>
<tr>
<td>18.3 (60)</td>
<td><img src="image3" alt="boom_arrangement" /></td>
</tr>
<tr>
<td>21.3 (70)</td>
<td><img src="image4" alt="boom_arrangement" /></td>
</tr>
<tr>
<td>24.4 (80)</td>
<td><img src="image5" alt="boom_arrangement" /></td>
</tr>
<tr>
<td>27.4 (90)</td>
<td><img src="image6" alt="boom_arrangement" /></td>
</tr>
<tr>
<td>30.5 (100)</td>
<td><img src="image7" alt="boom_arrangement" /></td>
</tr>
<tr>
<td>33.5 (110)</td>
<td><img src="image8" alt="boom_arrangement" /></td>
</tr>
</tbody>
</table>

### Boom Length and Remarks

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Boom Length</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image9" alt="boom_symbol" /></td>
<td>5.2 m</td>
<td>Boom Base</td>
</tr>
<tr>
<td><img src="image10" alt="boom_symbol" /></td>
<td>7.0 m</td>
<td>Boom Top</td>
</tr>
<tr>
<td><img src="image11" alt="boom_symbol" /></td>
<td>3.0 m</td>
<td>Insert Boom</td>
</tr>
<tr>
<td><img src="image12" alt="boom_symbol" /></td>
<td>6.1 m</td>
<td>Insert Boom</td>
</tr>
<tr>
<td><img src="image13" alt="boom_symbol" /></td>
<td>9.1 m</td>
<td>Insert Boom</td>
</tr>
</tbody>
</table>

※ mark shows the standard boom arrangement which enables each boom length of less than that boom length to be configured.
A range of hook blocks can be specified, each with a safety latch.

<table>
<thead>
<tr>
<th>Hooks</th>
<th>Weight (kg)</th>
<th>No. of sheaves</th>
<th>No. of lines and max. rated loads (tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>80-ton</td>
<td>950</td>
<td>4</td>
<td>—</td>
</tr>
<tr>
<td>50-ton</td>
<td>700</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>32-ton</td>
<td>550</td>
<td>1</td>
<td>—</td>
</tr>
<tr>
<td>11-ton</td>
<td>300</td>
<td>0</td>
<td>11.0</td>
</tr>
</tbody>
</table>

Symbols for Attachments:

- Crane Boom
- Auxiliary Sheave for Crane Boom
Crane Boom Working Ranges

NOTES:
1. Ratings according to EN13000.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface, up to 1% gradient.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom inserts and guy lines must be arranged as shown in the “Operator’s Manual”.
9. Boom hoist reeving is 12 part line.
10. Gantry must be in raised position for all conditions.
11. Boom backstops are required for all boom lengths.
12. Crawler frames must be fully extended for all crane operations.
13. Ratings shown in are determined by the strength of the boom or other structural component.
14. Instruction in the “Operator’s Manual” must be strictly observed when operating the machine.
15. Crane boom ratings: Deduct weight of main hook block, slings, and all other load handling accessories from main boom ratings shown.
16. Auxiliary sheave ratings for crane boom: Deduct weight of ball hook, slings, and all other load handling accessories from auxiliary sheave ratings shown.
17. Crane boom lengths for auxiliary sheave mounting are 12.2 m to 51.8 m.
# Crane Boom Lifting Capacity

Unit: metric ton

**Counterweight : 25.7tons, Carbodyweight : 6.7tons**

<table>
<thead>
<tr>
<th>Working radius (m)</th>
<th>Counterweight</th>
<th>Boom Length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0</td>
<td>25.7</td>
<td>4.8m/80.0</td>
</tr>
<tr>
<td>4.0</td>
<td>69.5</td>
<td>4.3m/63.2</td>
</tr>
<tr>
<td>5.0</td>
<td>56.2</td>
<td>5.3m/47.3</td>
</tr>
<tr>
<td>6.0</td>
<td>44.7</td>
<td>3.9m/35.4</td>
</tr>
<tr>
<td>7.0</td>
<td>36.0</td>
<td>3.6m/31.5</td>
</tr>
<tr>
<td>8.0</td>
<td>29.8</td>
<td></td>
</tr>
<tr>
<td>9.0</td>
<td>25.3</td>
<td></td>
</tr>
<tr>
<td>10.0</td>
<td>22.0</td>
<td></td>
</tr>
<tr>
<td>11.8m/17.4</td>
<td>12.0</td>
<td></td>
</tr>
<tr>
<td>14.0</td>
<td>15.1</td>
<td></td>
</tr>
<tr>
<td>16.0</td>
<td>14.5m/14.4</td>
<td></td>
</tr>
<tr>
<td>18.0</td>
<td>17.1m/13.3</td>
<td></td>
</tr>
<tr>
<td>20.0</td>
<td>19.8m/9.4</td>
<td></td>
</tr>
<tr>
<td>22.0</td>
<td>20.1</td>
<td></td>
</tr>
<tr>
<td>24.0</td>
<td>2.4m/7.8</td>
<td></td>
</tr>
<tr>
<td>26.0</td>
<td>25.0m/8.6</td>
<td></td>
</tr>
<tr>
<td>28.0</td>
<td>27.7m/8.6</td>
<td></td>
</tr>
<tr>
<td>30.0</td>
<td>4.8</td>
<td></td>
</tr>
<tr>
<td>32.0</td>
<td>30.3m/4.8</td>
<td></td>
</tr>
<tr>
<td>34.0</td>
<td>33.0m/4.0</td>
<td></td>
</tr>
<tr>
<td>36.0</td>
<td>35.6m/3.4</td>
<td></td>
</tr>
<tr>
<td>38.0</td>
<td>2.9</td>
<td></td>
</tr>
<tr>
<td>40.0</td>
<td>38.2m/2.9</td>
<td></td>
</tr>
<tr>
<td>42.0</td>
<td>2.4</td>
<td></td>
</tr>
<tr>
<td>Reeves</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>48.8</td>
<td>10.1m/17.7</td>
<td></td>
</tr>
<tr>
<td>51.8</td>
<td>10.8m/16.3</td>
<td></td>
</tr>
<tr>
<td>54.9</td>
<td>11.2m/15.0</td>
<td></td>
</tr>
<tr>
<td>Reeves</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>44.0</td>
<td>43.5m/19.7</td>
<td></td>
</tr>
<tr>
<td>Reeves</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>48.2</td>
<td>46.2m/15.0</td>
<td></td>
</tr>
<tr>
<td>Reeves</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**

Ratings according to EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Refer to notes P8.
### Auxiliary Sheave Lifting Capacity for Crane Boom (With 32 t Main Hook)

**Unit:** metric ton

<table>
<thead>
<tr>
<th>Working radius (m)</th>
<th>12.2</th>
<th>15.2</th>
<th>18.3</th>
<th>21.3</th>
<th>24.4</th>
<th>27.4</th>
<th>30.5</th>
<th>33.5</th>
<th>36.6</th>
<th>39.6</th>
<th>42.7</th>
<th>45.7</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Boom Length (m)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>6.0</td>
</tr>
<tr>
<td>6.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>8.0</td>
</tr>
<tr>
<td>8.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>8.0</td>
</tr>
<tr>
<td>9.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>10.0</td>
</tr>
<tr>
<td>10.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>12.0</td>
</tr>
<tr>
<td>12.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>12.0</td>
</tr>
<tr>
<td>14.0</td>
<td>13.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>14.0</td>
</tr>
<tr>
<td>16.0</td>
<td>15.6</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>11.0</td>
<td>16.0</td>
</tr>
<tr>
<td>18.0</td>
<td>9.1</td>
<td>9.6</td>
<td>9.5</td>
<td>9.4</td>
<td>9.3</td>
<td>9.2</td>
<td>9.1</td>
<td>8.9</td>
<td>8.8</td>
<td>8.5</td>
<td>8.0</td>
<td>18.0</td>
</tr>
<tr>
<td>20.0</td>
<td>8.8</td>
<td>8.1</td>
<td>8.0</td>
<td>7.9</td>
<td>7.8</td>
<td>7.7</td>
<td>7.5</td>
<td>7.4</td>
<td>7.3</td>
<td>20.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22.0</td>
<td>7.0</td>
<td>6.9</td>
<td>6.8</td>
<td>6.7</td>
<td>6.5</td>
<td>6.4</td>
<td>6.2</td>
<td>22.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24.0</td>
<td>6.0</td>
<td>5.9</td>
<td>5.8</td>
<td>5.6</td>
<td>5.5</td>
<td>5.4</td>
<td>5.3</td>
<td>24.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26.0</td>
<td>5.1</td>
<td>5.1</td>
<td>5.0</td>
<td>4.9</td>
<td>4.8</td>
<td>4.7</td>
<td>4.6</td>
<td>26.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>28.0</td>
<td>4.3</td>
<td>4.4</td>
<td>4.2</td>
<td>4.1</td>
<td>4.0</td>
<td>3.9</td>
<td>28.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30.0</td>
<td>3.8</td>
<td>3.7</td>
<td>3.6</td>
<td>3.5</td>
<td>3.4</td>
<td>30.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32.0</td>
<td>3.2</td>
<td>3.1</td>
<td>3.0</td>
<td>2.9</td>
<td>32.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>34.0</td>
<td>3.7</td>
<td>2.7</td>
<td>2.6</td>
<td>2.5</td>
<td>34.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>36.0</td>
<td>3.4</td>
<td>3.4</td>
<td>3.3</td>
<td>3.2</td>
<td>3.1</td>
<td>3.0</td>
<td>36.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>38.0</td>
<td>3.6</td>
<td>3.5</td>
<td>3.4</td>
<td>3.3</td>
<td>3.2</td>
<td>3.1</td>
<td>38.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40.0</td>
<td>3.8</td>
<td>3.7</td>
<td>3.6</td>
<td>3.5</td>
<td>3.4</td>
<td>3.3</td>
<td>40.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>42.0</td>
<td>3.9</td>
<td>3.8</td>
<td>3.7</td>
<td>3.6</td>
<td>3.5</td>
<td>3.4</td>
<td>42.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Reeves

- **Counterweight:** 25.7tons, **Carbodyweight:** 6.7tons
- **Working radius:**
  - 10.0: 10.7m/11.0
  - 12.0: 11.0
  - 14.0: 11.0
  - 16.0: 9.7
  - 18.0: 8.2
  - 20.0: 7.1
  - 22.0: 6.1
  - 24.0: 5.2
  - 26.0: 4.4
  - 28.0: 3.8
  - 30.0: 3.2
  - 32.0: 2.8
  - 34.0: 2.3
  - 36.0: 2.0
  - 38.0: 1.7
  - 40.0: 1.4
  - 42.0: 1.1

#### Reeves

- **Working radius:**
  - 48.8: 10.9m/11.0
  - 51.8: 11.2m/11.0

#### Notes:
- Ratings according to EN13000.
- Ratings shown in square brackets are determined by the strength of the boom or other structural components.
- Refer to notes P8.
## Working Ranges

![Graph showing working ranges for different boom lengths](graph)

### Clamshell Bucket Lifting Capacity

<table>
<thead>
<tr>
<th>Working Radius (m)</th>
<th>12.2</th>
<th>15.2</th>
<th>18.3</th>
<th>21.3</th>
<th>24.4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket Capacity (m³)</td>
<td>1.25</td>
<td>1.6</td>
<td>2.0</td>
<td>2.9</td>
<td>3.7</td>
</tr>
</tbody>
</table>

**NOTES:**
1. Working radius is the horizontal distance between the center of rotation and the bucket’s center of gravity.
2. Total weight of bucket and materials must not exceed rated load.
3. Optimal bucket should be required according to material.
   - Bucket capacity (m³) x Specified gravity of material (ton/m³) + Bucket weight (ton) = Rated load
   
   Material: sand, gravel, lime (apparent specific gravity: approx. 1 to 1.8)
   
   Ex.) Bucket capacity: 2.0 m³, Bucket weight 3.8 tons
   
   2.0 m³ x 1.8 + 3.8 tons = 7.4 tons
4. Bucket weight must also be decreased according to operating cycle and bucket lowering height.
5. Rated loads are determined by stability and boom strength.
**Base Machine**
With gantry, boom base, carbody, crawlers, wire ropes for main and aux. winches, lower spreader and upper spreader
Weight: 46,600 kg   Width: 3,200 mm

**Dimensions: mm**

- 11,690 mm x 3,300 mm x 3,360 mm
- 3,180 mm x 3,300 mm x 3,160 mm
- 8,170 mm x 3,300 mm x 3,160 mm

**Crawler**
Weight: 7,000 kg

**Dimensions: mm**

- 5,990 mm x 3,300 mm x 3,180 mm
- 3,300 mm x 3,300 mm x 3,180 mm

**Boom Base**
Weight: 1,130 kg

**Dimensions: mm**

- 5,350 mm x 1,510 mm x 1,900 mm
- 1,510 mm x 1,510 mm x 1,900 mm

**Insert Boom**
Weight: 8,990 kg

**Dimensions: mm**

- 3,200 mm x 1,705 mm x 510 mm
- 3,200 mm x 1,705 mm x 520 mm

**Counterweight A**
Weight: 8,990 kg

**Dimensions: mm**

- 3,200 mm x 1,705 mm x 510 mm

**Counterweight B**
Weight: 7,370 kg

**Dimensions: mm**

- 3,200 mm x 1,705 mm x 520 mm

**Counterweight C**
Weight: 9,350 kg

**Dimensions: mm**

- 3,200 mm x 1,705 mm x 510 mm

**Carbody weight**
Weight: 4,550 kg

**Dimensions: mm**

- 3,200 mm x 1,450 mm x 800 mm

**Other Attachments**

<table>
<thead>
<tr>
<th>Attachments</th>
<th>Weight (kg)</th>
<th>Dimensions (L x W x H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary sheave</td>
<td>330 kg</td>
<td>1,450 mm x 1,075 mm x 755 mm</td>
</tr>
<tr>
<td>Upper spreader</td>
<td>280 kg</td>
<td>1,580 mm x 300 mm x 680 mm</td>
</tr>
<tr>
<td>Gantry (with Lower spreader)</td>
<td>1,500 kg</td>
<td>4,550 mm x 1,450 mm x 800 mm</td>
</tr>
<tr>
<td>Crane backstop</td>
<td>700 kg</td>
<td>4,280 mm x 230 mm x 280 mm</td>
</tr>
<tr>
<td>11-ton ball hook</td>
<td>300 kg</td>
<td>1,050 mm x 360 mm dia.</td>
</tr>
<tr>
<td>32-ton hook block</td>
<td>550 kg</td>
<td>700 mm x 360 mm x 1,570 mm</td>
</tr>
<tr>
<td>50-ton hook block</td>
<td>700 kg</td>
<td>700 mm x 370 mm x 1,700 mm</td>
</tr>
<tr>
<td>80-ton hook block</td>
<td>950 kg</td>
<td>700 mm x 450 mm x 1,825 mm</td>
</tr>
</tbody>
</table>

*with guy cables
## Standard Equipment

### Upper structure/Lower structure
- Counterweight: 25.7 ton (total weight)
- Carbody weight: 6.7 ton (total weight)
- 800 mm shoe crawlers
- Batteries (170 Ah / 20 HR)
- Gantry raising/lowering cylinder
- Electric hand throttle grip
- Variable boom hoist speed controller
- Variable main/aux. hoist speed controller
- Side deck for cab
- Steps (crawlers)
- Two front working lights
- Tools (for routine maintenance)
- Two rear view mirrors
- Electric fuel pump
- Counterweight self removal
- Cable roller (for boom)
- Upper spreader storage guide

### Cab/Control
- Boom hoist pedal (EU area only)
- Air conditioner
- Cup holder
- Ashtray
- Cigar lighter
- Intermittent wiper & window washer
  (skylight and front window)
- Sun visor
- Roof blind
- Floor mat (cloth)
- Foot rest
- Shoe tray
- Level gauge (operator cabin)

## Safety Device
- Load Moment Indicator (with boom lowering slow stop function)
- LMI release key
  (for hook over-hoist prevention device and boom over-hoist prevention device)
- LCD multi display
- Ultimate stop function for boom over-hoist
- Function lock lever
- Propel lever lock
- Mechanical drum lock pawl (main, aux. and boom hoist)
- Signal horn
- Swing parking brake
- Mechanical swing lock pin (two positions)
- Swing flashers/warning buzzer
- Cab window guard (left side)
- Cab top guard
- Fire extinguisher
- External lamp for over-load alarm
- Life hammer

---

**Note:** Standard equipment may vary depending on your areas or countries.
Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

Copyright by KOBELCO CRANES CO., LTD. No part of this catalog may be reproduced in any manner without notice.

---

**KOBELCO CRANES CO., LTD.**

17-1, Higashigotanda 2-chome, Shinagawa-ku, Tokyo 141-8626 JAPAN
Tel: +81-3-5789-2130  Fax: +81-3-5789-3372

**KOBELCO** is the corporate mark used by Kobe Steel on a variety of products and in the names of a number of Kobe Steel Group companies.