SCX3500-3
Stage IV / Tier 4 f

HYDRAULIC CRAWLER CRANE
Variation of The Attachment

<table>
<thead>
<tr>
<th>Line Speed</th>
<th>Front (W1)/Rear (W2)</th>
<th>m/min</th>
<th>110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom Hoist (W3)</td>
<td></td>
<td>34 x 2</td>
<td></td>
</tr>
<tr>
<td>Tower Jib Hoist (W4)</td>
<td></td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>Swing Speed</td>
<td>min⁻¹ (rpm)</td>
<td>0.86</td>
<td>(0.86)</td>
</tr>
<tr>
<td>Travel Speed High / Low</td>
<td>km/h</td>
<td>0.9/0.45</td>
<td></td>
</tr>
<tr>
<td>Gradeability</td>
<td>% (Degree)</td>
<td>30 (17)</td>
<td></td>
</tr>
<tr>
<td>Engine Model</td>
<td></td>
<td>CUMMINS QSL9</td>
<td>(Stage IV/Tier 4f)</td>
</tr>
<tr>
<td>Engine Rated Output Power</td>
<td>kW/min⁻¹ (ps/rpm)</td>
<td>272/2000</td>
<td>(370/2000)</td>
</tr>
</tbody>
</table>

Note: Speeds marked with *** may vary depending on load applied.

Hammer Head Specification

<table>
<thead>
<tr>
<th>Boom Length m</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Contact Pressure</td>
<td>136 (1.39) (with 350t hook)</td>
</tr>
<tr>
<td>Overall Operating Weight</td>
<td>Approximately 321</td>
</tr>
</tbody>
</table>

Crane Specification

Crane Specification

<table>
<thead>
<tr>
<th>Boom Length m</th>
<th>24 to 72</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Contact Pressure</td>
<td>144 (1.47) (100t + 15t hook attached)</td>
</tr>
<tr>
<td>Overall Operating Weight</td>
<td>Approximately 341</td>
</tr>
</tbody>
</table>

Crane Specification

<table>
<thead>
<tr>
<th>Boom Length m</th>
<th>24 to 72</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Contact Pressure</td>
<td>144 (1.47) (100t + 15t hook attached)</td>
</tr>
<tr>
<td>Overall Operating Weight</td>
<td>Approximately 341</td>
</tr>
</tbody>
</table>
Crane Specification
Boom with Crane Jib
(Longest Length: Standard)

<table>
<thead>
<tr>
<th></th>
<th>Tower Length (m)</th>
<th>24 to 60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crane Jib Length (m)</td>
<td>24 to 72</td>
<td></td>
</tr>
<tr>
<td>Boom + Crane Jib (m)</td>
<td>72 + 37</td>
<td></td>
</tr>
<tr>
<td>Ground Contact Pressure (kPa (kgf/m²))</td>
<td>146 (1.49) (100t + 15t hook attached)</td>
<td></td>
</tr>
<tr>
<td>Overall Operating Weight (t)</td>
<td>Approximately 345</td>
<td></td>
</tr>
</tbody>
</table>

Tower Specification
Tower with Tower Jib
(Longest Length: Standard)

<table>
<thead>
<tr>
<th></th>
<th>Tower Length (m)</th>
<th>24 to 60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tower Jib Length (m)</td>
<td>24 to 60</td>
<td></td>
</tr>
<tr>
<td>Tower + Tower Jib (m)</td>
<td>60 + 60</td>
<td></td>
</tr>
<tr>
<td>Ground Contact Pressure (kPa (kgf/m²))</td>
<td>152 (1.55) (100t + 15t hook attached)</td>
<td></td>
</tr>
<tr>
<td>Overall Operating Weight (t)</td>
<td>Approximately 360</td>
<td></td>
</tr>
</tbody>
</table>

Tower Specification
Tower with Tower Jib
(Longest Length: Short)

<table>
<thead>
<tr>
<th></th>
<th>Tower Length (m)</th>
<th>24 to 54</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tower Jib Length (m)</td>
<td>24 to 60</td>
<td></td>
</tr>
<tr>
<td>Tower + Tower Jib (m)</td>
<td>54 + 60</td>
<td></td>
</tr>
<tr>
<td>Ground Contact Pressure (kPa (kgf/cm²))</td>
<td>151 (1.54) (1000 + 15t hook attached)</td>
<td></td>
</tr>
<tr>
<td>Overall Operating Weight (t)</td>
<td>Approximately 357</td>
<td></td>
</tr>
</tbody>
</table>
CONTENTS

VARIATION

Variation of The Attachment

SPECIFICATIONS

Specifications

Crane Specifications

Dimensions and Specifications

Boom Standard Configurations

Combination of Boom and Crane Jib (Offset Angle 10° and 30°)

Lowerable Boom Hook Mass

Lowerable Crane Jib Hook Mass

Working Ranges

■ Main Boom (Rear end Radius: Standard)
■ Aux. Sheave (Rear end Radius: Standard)
■ Main Boom with Aux. Sheave (Rear end Radius: Standard)
■ Main Boom (Rear end Radius: Short)
■ Aux. Sheave (Rear end Radius: Short)
■ Main Boom with Aux. Sheave (Rear end Radius: Short)
■ Crane Jib (Rear end Radius: Standard)
■ Main Boom with Crane Jib (Rear end Radius: Standard)

Gross Rated Load Table

■ Main Boom (Rear end Radius: Standard)
■ Aux. Sheave (Rear end Radius: Standard)
■ Main Boom with Aux. Sheave (Rear end Radius: Standard)
■ Main Boom (Rear end Radius: Short)
■ Aux. Sheave (Rear end Radius: Short)
■ Main Boom with Aux. Sheave (Rear end Radius: Short)
■ Crane Jib (Rear end Radius: Standard)
■ Main Boom with Crane Jib (Rear end Radius: Standard)

Tower Specifications

Dimensions and Specifications

Tower Standard Configurations

Restriction of Hook Usage

Lowerable Jib Hook Mass

Lowerable Tower Head Hook Mass
Working Ranges .......................................................................................................................................43
  ■ Rear end Radius: Standard .................................................................................................................. 43
  ■ Rear end Radius: Short ....................................................................................................................... 44
  ■ Tower Head Hoisting (Rear end Radius: Standard) ........................................................................... 45
Gross Rated Load Table .......................................................................................................................... 46
  ■ Tower 24 m (Rear end Radius: Standard) .......................................................................................... 46
  ■ Tower 30 m (Rear end Radius: Standard) .......................................................................................... 48
  ■ Tower 36 m (Rear end Radius: Standard) .......................................................................................... 50
  ■ Tower 42 m (Rear end Radius: Standard) .......................................................................................... 52
  ■ Tower 48 m (Rear end Radius: Standard) .......................................................................................... 54
  ■ Tower 54 m (Rear end Radius: Standard) .......................................................................................... 56
  ■ Tower 60 m (Rear end Radius: Standard) .......................................................................................... 58
  ■ Tower 24 m (Rear end Radius: Short) .................................................................................................. 60
  ■ Tower 30 m (Rear end Radius: Short) .................................................................................................. 62
  ■ Tower 36 m (Rear end Radius: Short) .................................................................................................. 64
  ■ Tower 42 m (Rear end Radius: Short) .................................................................................................. 66
  ■ Tower 48 m (Rear end Radius: Short) .................................................................................................. 68
  ■ Tower 54 m (Rear end Radius: Short) .................................................................................................. 70
  ■ Tower 24m Tower Head Hoisting (Rear end Radius: Standard) ......................................................... 72
  ■ Tower 30m Tower Head Hoisting (Rear end Radius: Standard) ......................................................... 73
  ■ Tower 36m Tower Head Hoisting (Rear end Radius: Standard) ......................................................... 73
  ■ Tower 42m Tower Head Hoisting (Rear end Radius: Standard) ......................................................... 73
  ■ Tower 48m Tower Head Hoisting (Rear end Radius: Standard) ......................................................... 74
  ■ Tower 54m Tower Head Hoisting (Rear end Radius: Standard) ......................................................... 74
  ■ Tower 60m Tower Head Hoisting (Rear end Radius: Standard) ......................................................... 74

TECHNICAL DATA

Weights and Dimensions of Disassembled Units ................................................................. 75
Weights and Dimensions List ................................................................................................. 75
Equipment List ......................................................................................................................... 80
Standard and Optional Equipment .......................................................................................... 80
## Specifications

### Engine

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>CUMMINS QSL9</td>
</tr>
<tr>
<td>Type</td>
<td>4-cycle, water-cooled, Direct-injection, Turbo-charger Diesel engine</td>
</tr>
<tr>
<td>Displacement</td>
<td>8.9 Liters</td>
</tr>
<tr>
<td>Rated Output</td>
<td>272 kW / 2,000 min (370 PS / 2,000 rpm)</td>
</tr>
<tr>
<td>Fuel Tank Capacity</td>
<td>550 Liters</td>
</tr>
<tr>
<td>Notes</td>
<td>Compliant with engine emission gas regulations for USA Tier4f, EU StageIV and Japan 2014 Code.</td>
</tr>
</tbody>
</table>

### Control

<table>
<thead>
<tr>
<th>Component</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control System</td>
<td>Main actuators are controlled by hydraulic pilot system. Safety devices are securely operated by combined various electronic controls with hydraulic system.</td>
</tr>
<tr>
<td>Control Levers</td>
<td>Designed and layout on ergonomics. Arm chair lever type is standard.</td>
</tr>
<tr>
<td>Display Panel Design</td>
<td>8 inches size. Located to check working state easily without disturbing the view of the operator.</td>
</tr>
</tbody>
</table>

### Hydraulic System

<table>
<thead>
<tr>
<th>Component</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydraulic Tank</td>
<td>350 Liters</td>
</tr>
<tr>
<td>Hydraulic Pump Capacity</td>
<td></td>
</tr>
<tr>
<td>Maximum pressure</td>
<td>31.4 MPa</td>
</tr>
<tr>
<td>P1</td>
<td>320 l / min W3,W4 winch, Travel (R)</td>
</tr>
<tr>
<td>P2</td>
<td>320 l / min W1,W2 winch, Travel(L), Quick draw</td>
</tr>
<tr>
<td>P3</td>
<td>158 l / min Swing, Reieving winch, Cylinders</td>
</tr>
<tr>
<td>P4</td>
<td>74 l / min Fan drive(Radiator, Oil cooler)</td>
</tr>
<tr>
<td>P5</td>
<td>44 l / min Pilot</td>
</tr>
</tbody>
</table>

### Winch

<table>
<thead>
<tr>
<th>Component</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>W1 (Front)</td>
<td>28 mm</td>
</tr>
<tr>
<td>W2 (Rear)</td>
<td>28 mm</td>
</tr>
<tr>
<td>W3 (Hoist)</td>
<td>28 mm</td>
</tr>
<tr>
<td>W4 (Jib Hoist)</td>
<td>28 mm</td>
</tr>
<tr>
<td>Rope Diameter</td>
<td>110m/min</td>
</tr>
<tr>
<td>Rope Length</td>
<td>610 m</td>
</tr>
<tr>
<td>Rope Speed</td>
<td>110m/min</td>
</tr>
<tr>
<td>Rated Linepull</td>
<td>147 KN</td>
</tr>
<tr>
<td>(1st layer)</td>
<td>(230 KN)</td>
</tr>
<tr>
<td>(2nd layer)</td>
<td>(230 KN)</td>
</tr>
<tr>
<td>High speed lifting and lowering is possible by ECO mode with low engine speed under light load. Hydraulic motor with wet multiple disc brake and planetary reduction gears inside of winch drum.</td>
<td></td>
</tr>
</tbody>
</table>

### Swing Device

- 0.86 rpm
- 3 sets of hydraulic motor with wet multiple disc brake + planetary reduction gears and turn table bearing with external teeth. Precise swing operation is possible by swing brake with pedal.

### Mast

- Easy assembly for front attachments.
- Crawler sideframe self assembly is possible by Quick draw (Opt).
- By using Quick draw system, assembly work can be done by helper crane to install 19.7 ton base counter weight.

### Counter Weight

<table>
<thead>
<tr>
<th>Component</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counter Weight</td>
<td></td>
</tr>
<tr>
<td>Total Weight</td>
<td>145.0 t</td>
</tr>
<tr>
<td>Base Weight</td>
<td>19.7 t × 1</td>
</tr>
<tr>
<td>Weight</td>
<td>8.95 t × 14</td>
</tr>
<tr>
<td>Lower Weight</td>
<td></td>
</tr>
<tr>
<td>Total Weight</td>
<td>25.0 t</td>
</tr>
<tr>
<td>Weight</td>
<td>12.5 t × 2</td>
</tr>
</tbody>
</table>

### Carbody

- High tensile steel box structure
- Jack up device
- Pin connection with crawler sideframe by hook on system

### Crawler Sideframe

<table>
<thead>
<tr>
<th>Component</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crawler Sideframe</td>
<td>High tensile steel box structure With travel device and pin connection and connection cylinders</td>
</tr>
<tr>
<td>Shoe</td>
<td>1250mm flat shoe</td>
</tr>
<tr>
<td>Upper Roller</td>
<td>15 pieces for each side Double flange type 2, cantilever type 5</td>
</tr>
<tr>
<td>Lower Roller</td>
<td>15 pieces for each side Double flange type with plane bearing and floating seal for lifetime lubrication Forging and heat treated steel</td>
</tr>
<tr>
<td>Travel Device</td>
<td>Hydraulic motor with wet multiple disc brake + Planetary reduction gears</td>
</tr>
<tr>
<td>Travel Speed</td>
<td>High: 0.9 km/hr. Lower: 0.45 km/hr.</td>
</tr>
<tr>
<td>Gradability</td>
<td>30 %</td>
</tr>
</tbody>
</table>

High speed lifting and lowering is possible by ECO mode with low engine speed under light load. Hydraulic motor with wet multiple disc brake and planetary reduction gears inside of winch drum.
Crane Specifications

Dimensions and Specifications

### Crane Specifications

**Max. Lifting Load × Working Radius**
- (Boom top attached) $t \times m$ 180 × 5.9
- (Hammer head attached) $t \times m$ 350 × 5.0

**Basic Boom Length (Boom top attached)**
- m 24

**Max. Boom Length (Boom top attached)**
- m 72

**Basic Boom Length (Hammer head attached)**
- m 18

**Crane Jib Length**
- m 13 to 37

**Max. Boom with Crane Jib Length**
- m 72 × 37

**Ground Contact Pressure**
- (Boom top attached) kPa (kgf/cm²) 135 (1.38)
  (24m Boom with 180 t Hook)
- (Hammer head attached) kPa (kgf/cm²) 136 (1.39)
  (18m Boom with 350 t Hook)

**Overall Operating Weight**
- (Boom top attached) t Approximately 320
  (24m Boom with 180 t Hook)
- (Hammer head attached) t Approximately 321
  (18m Boom with 350 t Hook)

**Hook Mass**

<table>
<thead>
<tr>
<th>Hook Mass</th>
<th>t</th>
</tr>
</thead>
<tbody>
<tr>
<td>350 t</td>
<td>4,440 kg</td>
</tr>
<tr>
<td>180 t</td>
<td>3,340 kg</td>
</tr>
<tr>
<td>100 t</td>
<td>3,110 kg</td>
</tr>
<tr>
<td>45 t</td>
<td>2,170 kg</td>
</tr>
<tr>
<td>15 t</td>
<td>620 kg</td>
</tr>
</tbody>
</table>

**Number of Front/Rear Winch Rope and Lifting Load**

<table>
<thead>
<tr>
<th>Hook Capacity</th>
<th>Maximum Rated Load (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 falls</td>
</tr>
<tr>
<td>180 t</td>
<td>-</td>
</tr>
<tr>
<td>100 t</td>
<td>-</td>
</tr>
<tr>
<td>45 t</td>
<td>-</td>
</tr>
<tr>
<td>15 t</td>
<td>-</td>
</tr>
</tbody>
</table>

**NOTE:** Data is expressed in SI units followed by conventional units in ( ).
# Boom Standard Configurations

## Crane Specification Boom

<table>
<thead>
<tr>
<th>Boom Length (m)</th>
<th>Boom Configurations</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>HB9.5 HR7 H1.5</td>
</tr>
<tr>
<td>24</td>
<td>HB9.5 HR7 H6B HT1.5</td>
</tr>
<tr>
<td>30</td>
<td>HB9.5 HR7 H6 H6B HT1.5</td>
</tr>
<tr>
<td>36</td>
<td>HB9.5 HR7 H6 H6 H6B HT1.5</td>
</tr>
<tr>
<td>42</td>
<td>HB9.5 HR7 H9 H9 H6B HT1.5</td>
</tr>
<tr>
<td>48</td>
<td>HB9.5 HR7 H6 H9 H9 H6B HT1.5</td>
</tr>
<tr>
<td>54</td>
<td>HB9.5 HR7 H6 H6 H9 H9 H6B HT1.5</td>
</tr>
<tr>
<td>60</td>
<td>HB9.5 HR7 H6 H6 H9 H9 H6B HT1.5</td>
</tr>
<tr>
<td>66</td>
<td>HB9.5 HR7 H6 H9 H9 H9 H6B HT1.5</td>
</tr>
<tr>
<td>72</td>
<td>HB9.5 HR7 H6 H9 H9 H9 H6B HT1.5</td>
</tr>
</tbody>
</table>

### Aux. Sheave Installable Boom Length

<table>
<thead>
<tr>
<th>Boom Length (m)</th>
<th>18</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>With Aux. Sheave</td>
<td>✕</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Dimensions Not Shown In The Figure

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Boom Length (m)</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>HB9.5</td>
<td>9.5</td>
<td>Boom Base</td>
</tr>
<tr>
<td>HH1.5</td>
<td>1.5</td>
<td>Hammer Head</td>
</tr>
<tr>
<td>HT1.5</td>
<td>1.5</td>
<td>Boom Top</td>
</tr>
<tr>
<td>H6</td>
<td>6</td>
<td>Boom Insert</td>
</tr>
<tr>
<td>H6B</td>
<td>6</td>
<td>Boom Insert B</td>
</tr>
<tr>
<td>H9</td>
<td>9</td>
<td>Boom Insert</td>
</tr>
<tr>
<td>HR7</td>
<td>7</td>
<td>Reducer</td>
</tr>
</tbody>
</table>
Combination of Boom and Crane Jib (Offset Angle 10° and 30°)

<table>
<thead>
<tr>
<th>Crane Jib Length (m)</th>
<th>13</th>
<th>19</th>
<th>25</th>
<th>31</th>
<th>37</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Offset angle 10°</td>
<td>Offset angle 30°</td>
<td>Offset angle 10°</td>
<td>Offset angle 30°</td>
<td>Offset angle 10°</td>
</tr>
<tr>
<td>24</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>30</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>36</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>42</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>48</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>54</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>60</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>66</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>72</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

(○: Attachable  ×: Not Attachable)

Crane Jib (Offset Angle 10° and 30°)

<table>
<thead>
<tr>
<th>Crane Jib Length (m)</th>
<th>Offset Angle</th>
<th>Crane Jib Configurations</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>10°</td>
<td><img src="image1" alt="Diagram" /></td>
</tr>
<tr>
<td></td>
<td>30°</td>
<td><img src="image2" alt="Diagram" /></td>
</tr>
<tr>
<td>19</td>
<td>10°</td>
<td><img src="image3" alt="Diagram" /></td>
</tr>
<tr>
<td></td>
<td>30°</td>
<td><img src="image4" alt="Diagram" /></td>
</tr>
<tr>
<td>25</td>
<td>10°</td>
<td><img src="image5" alt="Diagram" /></td>
</tr>
<tr>
<td></td>
<td>30°</td>
<td><img src="image6" alt="Diagram" /></td>
</tr>
<tr>
<td>31</td>
<td>10°</td>
<td><img src="image7" alt="Diagram" /></td>
</tr>
<tr>
<td></td>
<td>30°</td>
<td><img src="image8" alt="Diagram" /></td>
</tr>
<tr>
<td>37</td>
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Specifications

Lowerable Boom Hook Mass

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Unit: ton

Lowerable Crane Jib Hook Mass

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Unit: ton
Working Ranges

Main Boom (Rear end Radius: Standard)

Specifications
■ Aux. Sheave (Rear end Radius: Standard)
Main Boom with Aux. Sheave (Rear end Radius: Standard)

Specifications

Working Ranges

SPECIFICATIONS

SCX3500-3

- Main Boom with Aux. Sheave (Rear end Radius: Standard)

- Maximum Boom Angle: 83.5°
- Minimum Boom Angle: 30°

- Height Above Ground (m)
- Working Radius (m)

- 180 t Hook: 6.0m
- 100 t Hook: 5.8m
- 45 t Hook: 5.6m
Main Boom (Rear end Radius: Short)

![Graph Showing Working Ranges of Main Boom](image-url)
- **Aux. Sheave (Rear end Radius: Short)**

![Diagram showing working ranges](image-url)

**Height Above Ground (m)**

- Maximum Boom Angle: 83.5°
- Minimum Boom Angle: 30°

**Working Radius (m)**

- 4.4m
- 15 t Hook
Main Boom with Aux. Sheave (Rear end Radius: Short)

Maximum Boom Angle

Height Above Ground (m)

Working Radius (m)

83.5°

30°

Minimum Boom Angle
Specifications

■ Crane Jib (Rear end Radius: Standard)

Maximum Boom Angle

- 83.5°
- 80°
- 70°

Height Above Ground (m)

- 37m Crane Jib
- 31m Crane Jib
- 25m Crane Jib
- 19m Crane Jib
- 13m Crane Jib

Working Radius (m)

- 4.3m
- 4.8m

- 15 t Hook
- 45 t Hook

Maximum Boom Angle

- 60°
- 50°
- 40°
- 30°
Main Boom with Crane Jib (Rear end Radius: Standard)

- Working Radius (m)
- Height Above Ground (m)
- Crane Jib 13m to 31m
- Crane Jib 13m to 37m

Specifications
Working Ranges
# Gross Rated Load Table

## Main Boom (Rear end Radius: Standard)

<table>
<thead>
<tr>
<th>Working Radius (m)</th>
<th>Hammer Head</th>
<th>Boom Length (m)</th>
<th>Boom Top</th>
<th>Working Radius (m)</th>
<th>Equivalent Mass (ton)</th>
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</thead>
<tbody>
<tr>
<td>18</td>
<td>24</td>
<td>30</td>
<td>36</td>
<td>42</td>
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<td>180.0</td>
<td>7.2m x</td>
<td>7.9m x</td>
<td>5.8m x</td>
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</table>

### Notes
1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm, level ground.
2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as hook, from figures shown above.
3. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The 145 ton counter weight and 25 ton lower weight are required for all capacities on these charts.
6. Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
7. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.
8. The necessary mass to lower the hook refers "Lowerable Boom Hook Mass" on page 10.
9. The rated total load when the operation being performed with the rear post support pendant attached is the value remaining when the value in chart below is deducted from the rated total load chart.
10. 18m boom ⋯ with Hammer Head Boom, 350t Hook, and 28 falls.
### Aux. Sheave (Rear end Radius: Standard)

<table>
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<tr>
<th>Boom Length (m)</th>
<th>Working Radius (m)</th>
<th>24</th>
<th>30</th>
<th>36</th>
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</table>

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm, level ground.
2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as boom hook and jib hook, from figures shown above.
3. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The 145 ton counter weight and 25 ton lower weight are required for all capacities on these charts.
6. Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
7. Hook mass are shown in the table below.

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<th>Hook Capacity</th>
<th>Hook Mass (ton)</th>
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</table>

8. The rated total load when the operation being performed with the rear post support pendant attached is the value remaining when the value in chart below is deducted from the rated total load chart.

<table>
<thead>
<tr>
<th>Boom Length (m)</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
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<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equivalent Mass (ton)</td>
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<td>0.9</td>
<td>1.2</td>
<td>1.4</td>
<td>1.8</td>
<td>1.7</td>
</tr>
</tbody>
</table>
# Specifications

## Gross Rated Load Table

### Main Boom with Aux. Sheave (Rear end Radius: Standard)

<table>
<thead>
<tr>
<th>Working Radius (m)</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit ton</td>
<td>6.9</td>
<td>6.0</td>
<td>6.1</td>
<td>6.2</td>
<td>6.3</td>
<td>6.4</td>
<td>6.5</td>
<td>6.6</td>
<td>6.7</td>
</tr>
<tr>
<td><strong>Gross Rated Load (ton)</strong></td>
<td>180.0</td>
<td>180.0</td>
<td>180.0</td>
<td>180.0</td>
<td>180.0</td>
<td>180.0</td>
<td>180.0</td>
<td>180.0</td>
<td>180.0</td>
</tr>
<tr>
<td><strong>Boom Length (m)</strong></td>
<td>24</td>
<td>30</td>
<td>36</td>
<td>42</td>
<td>48</td>
<td>54</td>
<td>60</td>
<td>66</td>
<td>72</td>
</tr>
<tr>
<td><strong>Equivalent Mass (ton)</strong></td>
<td>0.30</td>
<td>0.50</td>
<td>0.70</td>
<td>0.80</td>
<td>0.91</td>
<td>1.21</td>
<td>1.41</td>
<td>1.61</td>
<td>1.70</td>
</tr>
</tbody>
</table>

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm, level ground.
2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as hook, from figures shown above.
3. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The 145 ton counter weight and 25 ton lower weight are required for all capacities on these charts.
6. Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
7. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

### Hook Mass (ton)

<table>
<thead>
<tr>
<th>Hook Capacity</th>
<th>Hook Mass (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>180t</td>
<td>1.34</td>
</tr>
<tr>
<td>160t</td>
<td>1.11</td>
</tr>
<tr>
<td>145t</td>
<td>0.82</td>
</tr>
</tbody>
</table>

### Maximum Rated Load (ton)

<table>
<thead>
<tr>
<th>Capacity</th>
<th>13falls</th>
<th>12falls</th>
<th>11falls</th>
<th>10falls</th>
<th>9falls</th>
<th>8falls</th>
<th>7falls</th>
<th>6falls</th>
<th>5falls</th>
</tr>
</thead>
<tbody>
<tr>
<td>180t</td>
<td>180</td>
<td>170</td>
<td>157</td>
<td>144</td>
<td>131</td>
<td>118</td>
<td>104</td>
<td>90</td>
<td>76</td>
</tr>
<tr>
<td>160t</td>
<td>160</td>
<td>150</td>
<td>140</td>
<td>130</td>
<td>120</td>
<td>110</td>
<td>100</td>
<td>90</td>
<td>76</td>
</tr>
<tr>
<td>145t</td>
<td>145</td>
<td>135</td>
<td>125</td>
<td>115</td>
<td>105</td>
<td>95</td>
<td>85</td>
<td>75</td>
<td>65</td>
</tr>
</tbody>
</table>

8. The necessary mass to lower the hook refers "Lowerable Boom Hook Mass" on page 10.
9. The rated total load when the operation being performed with the rear post support pendant attached is the value remaining when the value in chart below is deducted from the rated total load chart.

<table>
<thead>
<tr>
<th>Boom Length (m)</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equivalent Mass (ton)</td>
<td>0.3</td>
<td>0.5</td>
<td>0.7</td>
<td>0.8</td>
<td>0.9</td>
<td>1.2</td>
<td>1.4</td>
<td>1.6</td>
<td>1.7</td>
</tr>
</tbody>
</table>
### Main Boom (Rear end Radius: Short)

<table>
<thead>
<tr>
<th>Working Radius (m)</th>
<th>24</th>
<th>30</th>
<th>35</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.9</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>6.0</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>6.5</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>7.0</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>7.5</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>8.0</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>8.5</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>9.0</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>9.5</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>10.0</td>
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<td>180</td>
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<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>10.5</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>11.0</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>11.5</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>12.0</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>180</td>
</tr>
</tbody>
</table>

**Specifications**

- **Gross Rated Load Table**
- **Unit:** ton

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm, level ground.
2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as hook, from figures shown above.
3. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The 145 ton counter weight and 25 ton lower weight are required for all capacities on these charts.
6. Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
7. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

<table>
<thead>
<tr>
<th>Hook Capacity</th>
<th>Hook Mass (ton)</th>
<th>13falls</th>
<th>12falls</th>
<th>11falls</th>
<th>10falls</th>
<th>9falls</th>
<th>8falls</th>
<th>7falls</th>
<th>6falls</th>
<th>5falls</th>
<th>4falls</th>
<th>3falls</th>
<th>2falls</th>
<th>1fall</th>
</tr>
</thead>
<tbody>
<tr>
<td>180</td>
<td>3.34</td>
<td>180</td>
<td>170</td>
<td>160</td>
<td>150</td>
<td>140</td>
<td>130</td>
<td>120</td>
<td>110</td>
<td>100</td>
<td>90</td>
<td>80</td>
<td>70</td>
<td>60</td>
</tr>
<tr>
<td>100</td>
<td>3.11</td>
<td>140</td>
<td>130</td>
<td>120</td>
<td>110</td>
<td>100</td>
<td>90</td>
<td>80</td>
<td>70</td>
<td>60</td>
<td>50</td>
<td>40</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>45</td>
<td>2.17</td>
<td>70</td>
<td>60</td>
<td>50</td>
<td>40</td>
<td>30</td>
<td>20</td>
<td>10</td>
<td>6</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>15</td>
<td>0.62</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
</tbody>
</table>

8. The necessary mass to lower the hook refers "Lowerable Boom Hook Mass" on page 10.
9. The rated total load when the operation being performed with the rear post support pendant attached is the value remaining when the value in chart below is deducted from the rated total load chart.

### Equivalent Mass (ton)

<table>
<thead>
<tr>
<th>Boom Length (m)</th>
<th>24</th>
<th>30</th>
<th>35</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3</td>
<td>0.5</td>
<td>0.7</td>
<td>0.8</td>
<td>0.9</td>
<td>1.2</td>
<td>1.4</td>
<td>1.6</td>
<td>1.7</td>
<td></td>
</tr>
</tbody>
</table>
## Specifications

### Aux. Sheave (Rear end Radius: Short)

<table>
<thead>
<tr>
<th>Working Radius (m)</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15.0</td>
<td>15.0</td>
<td>15.0</td>
<td>15.0</td>
<td>15.0</td>
<td>15.0</td>
<td>15.0</td>
<td>15.0</td>
<td>15.0</td>
</tr>
<tr>
<td>7.5</td>
<td>8.2m x</td>
<td>8.9m x</td>
<td>9.5m x</td>
<td>10.2m x</td>
<td>10.9m x</td>
<td>11.6m x</td>
<td>12.3m x</td>
<td>12.9m x</td>
<td>13.5m x</td>
</tr>
</tbody>
</table>

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm, level ground.
2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as boom hook and jib hook, from figures shown above.
3. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The 145 ton counter weight and 25 ton lower weight are required for all capacities on these charts.
6. Figures described as OOm x OOt in the tables indicate “working radius” m x “rated load” ton.
7. Hook mass are shown in the table below.

<table>
<thead>
<tr>
<th>Hook Capacity</th>
<th>Hook Mass (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>180t</td>
<td>3.34</td>
</tr>
<tr>
<td>100t</td>
<td>3.11</td>
</tr>
<tr>
<td>45t</td>
<td>2.17</td>
</tr>
<tr>
<td>15t</td>
<td>0.62</td>
</tr>
</tbody>
</table>

8. The rated total load when the operation being performed with the rear post support pendant attached is the value remaining when the value in chart below is deducted from the rated total load chart.

### Equivalent Mass Table

<table>
<thead>
<tr>
<th>Working Radius (m)</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.3</td>
<td>0.5</td>
<td>0.7</td>
<td>0.8</td>
<td>0.9</td>
<td>1.2</td>
<td>1.4</td>
<td>1.6</td>
<td>1.7</td>
</tr>
</tbody>
</table>
### Main Boom with Aux. Sheave (Rear end Radius: Short)

<table>
<thead>
<tr>
<th>Working Radius (m)</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.9</td>
<td>180.0</td>
<td>6.8m x</td>
<td>180.0</td>
<td>7.2m x</td>
<td>170.0</td>
<td>8.0m x</td>
<td>157.0</td>
<td>9.3m x</td>
<td>157.0</td>
</tr>
<tr>
<td>Unit (ton)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm, level ground.
2. To calculate the maximum load that can actually be lifted, deduct the mass of all lifting accessories, such as hook, from figures shown above.
3. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The 145 ton counterweight and 25 ton lower weight are required for all capacities on these charts.
6. The necessary mass to lower the hook refers "Lowerable Boom Hook Mass" on page 10.
7. The rated total load when the operation is performed with the rear post support pendant attached is the value remaining when the value in chart below is deducted from the rated total load chart.

<table>
<thead>
<tr>
<th>Hook Capacity</th>
<th>Hook Mass (ton)</th>
<th>13falls</th>
<th>12falls</th>
<th>11falls</th>
<th>10falls</th>
<th>9falls</th>
<th>8falls</th>
<th>7falls</th>
<th>6falls</th>
<th>5falls</th>
<th>4falls</th>
<th>3falls</th>
<th>2falls</th>
<th>1fall</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>3.11</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>
<td>1.0</td>
</tr>
<tr>
<td>45t</td>
<td>2.17</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>
<td>0.5</td>
</tr>
<tr>
<td>15t</td>
<td>0.62</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>-</td>
<td>-</td>
<td>0.1</td>
</tr>
</tbody>
</table>

8. The necessary mass to lower the hook refers "Lowerable Boom Hook Mass" on page 10.
9. The value remaining when the value in chart below is deducted from the rated total load chart.

<table>
<thead>
<tr>
<th>Boom Length (m)</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equivalent Mass (ton)</td>
<td>0.3</td>
<td>0.5</td>
<td>0.7</td>
<td>0.8</td>
<td>0.9</td>
<td>1.2</td>
<td>1.4</td>
<td>1.6</td>
<td>1.7</td>
</tr>
</tbody>
</table>
### Crane Jib (Rear End Radius: Standard)

#### Gross Rated Load Table

<table>
<thead>
<tr>
<th>Boom Length (m)</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>12.4m x 13.6m x 14.1m</td>
<td>12.4m x 13.6m x 14.1m</td>
<td>12.4m x 13.6m x 14.1m</td>
<td>12.4m x 13.6m x 14.1m</td>
<td>12.4m x 13.6m x 14.1m</td>
<td>12.4m x 13.6m x 14.1m</td>
</tr>
<tr>
<td>10</td>
<td>13.6m x 14.1m x 14.6m</td>
<td>13.6m x 14.1m x 14.6m</td>
<td>13.6m x 14.1m x 14.6m</td>
<td>13.6m x 14.1m x 14.6m</td>
<td>13.6m x 14.1m x 14.6m</td>
<td>13.6m x 14.1m x 14.6m</td>
</tr>
<tr>
<td>10</td>
<td>14.1m x 14.6m x 15.2m</td>
<td>14.1m x 14.6m x 15.2m</td>
<td>14.1m x 14.6m x 15.2m</td>
<td>14.1m x 14.6m x 15.2m</td>
<td>14.1m x 14.6m x 15.2m</td>
<td>14.1m x 14.6m x 15.2m</td>
</tr>
<tr>
<td>10</td>
<td>14.6m x 15.2m x 15.8m</td>
<td>14.6m x 15.2m x 15.8m</td>
<td>14.6m x 15.2m x 15.8m</td>
<td>14.6m x 15.2m x 15.8m</td>
<td>14.6m x 15.2m x 15.8m</td>
<td>14.6m x 15.2m x 15.8m</td>
</tr>
<tr>
<td>10</td>
<td>15.2m x 15.8m x 16.3m</td>
<td>15.2m x 15.8m x 16.3m</td>
<td>15.2m x 15.8m x 16.3m</td>
<td>15.2m x 15.8m x 16.3m</td>
<td>15.2m x 15.8m x 16.3m</td>
<td>15.2m x 15.8m x 16.3m</td>
</tr>
<tr>
<td>10</td>
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</table>

#### Specifications

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm, level ground.
2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as boom hook and jib hook, from figures shown above.
3. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The 145 ton counter weight and 25 ton lower weight are required for all capacities on these charts.
6. Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
7. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

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<th>Maximum Rated Load (ton)</th>
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8. The necessary mass to lower the boom hook refers "Lowerable Boom Hook Mass" on page 10.
9. The necessary mass to lower the crane jib hook refers "Lowerable Crane Jib Hook Mass" on page 10.
10. The rated total load when the operation being performed with the rear post support pendant attached is the value remaining when the value in chart below is deducted from the rated total load chart.
**SCX3500-3 SPECIFICATIONS**

**Gross Rated Load Table**

**Specimen**

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<th>Boom Length (m)</th>
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*For notes about the table above, refer to page 25.*
### Crane Jib (Rear end Radius: Standard)

#### Specifications

**Gross Rated Load Table**

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<th>Jib Length (m)</th>
<th>Offset Angle (deg.)</th>
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*For notes about the table above, refer to page 25.*
### Specifications

#### Gross Rated Load Table

**SCX3500-3**

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*For notes about the table above, refer to page 25.*
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* For notes about the table above, refer to page 25.
## Specifications

### Gross Rated Load Table

**SCX3500-3**

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* For notes about the table above, refer to page 25.
### Crane Jib (Rear end Radius: Standard)

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1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm, level ground.
2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as boom hook and jib hook, from figures shown above.
3. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The 145 ton counter weight and 25 ton lower weight are required for all capacities on these charts.
6. Figures described as “Gt:Gt” in the tables indicate "working radius” in m x “rated load” in ton.
7. Correlation between the number of reeled lines, maximum rated loads, hook mass are shown in the table below.

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8. The necessary mass to lower the boom hook refers “Lowerable Boom Hook Mass” on page 10.
9. The necessary mass to lower the crane jib hook refers “Lowerable Crane Jib Hook Mass” on page 10.
10. The rated total load when the operation being performed with the rear post support pendant attached is the value remaining when the value in chart below is deducted from the rated total load chart.

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## Main Boom with Crane Jib (Rear end Radius: Standard)

### Specifications

#### Gross Rated Load Table

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*For notes about the table above, refer to page 33.*
### Specifications

**Gross Rated Load Table**

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*For notes about the table above, refer to page 33.*
# Specifications

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### SCX3500-3 Specifications

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<td>58</td>
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*For notes about the table above, refer to page 33.*
## Tower Specifications

### Dimensions and Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Unit(s)</th>
<th>Details</th>
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<tbody>
<tr>
<td>Max. Lifting Load × Working</td>
<td>t × m</td>
<td>100 × 12.4</td>
</tr>
<tr>
<td>Radius</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tower Length</td>
<td>m</td>
<td>24 to 60</td>
</tr>
<tr>
<td>Tower Jib Length</td>
<td>m</td>
<td>24 to 60</td>
</tr>
<tr>
<td>Tower with Tower Jib</td>
<td>m</td>
<td>60 + 60</td>
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<tr>
<td>Longest Length</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine Model</td>
<td></td>
<td>CUMMINS QSL9 (Stage IV/Tier 4F)</td>
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<tr>
<td>Engine Rated Output</td>
<td>kW/min</td>
<td>272/2,000 (370/2,000)</td>
</tr>
<tr>
<td>Power</td>
<td>(ps/rpm)</td>
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</tr>
<tr>
<td>Ground Contact Pressure</td>
<td>kPa (kgf/cm²)</td>
<td>152.6 (1.55) (Tower with Tower Jib Longest Length)</td>
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<tr>
<td>Overall Operating Weight</td>
<td>t</td>
<td>Approximately 360 (Tower with Tower Jib Longest Length)</td>
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**NOTE:** Data is expressed in SI units followed by conventional units in ( ).
## Tower Standard Configurations

### Tower Boom

<table>
<thead>
<tr>
<th>Tower Boom Length (m)</th>
<th>Tower Boom Configurations</th>
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<tbody>
<tr>
<td>24</td>
<td>7.31</td>
</tr>
<tr>
<td></td>
<td>2.5 3</td>
</tr>
<tr>
<td></td>
<td>7 6</td>
</tr>
<tr>
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<td>HB8.9  HRT  H6B  H1.5</td>
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<tr>
<td>30</td>
<td>7.6 3.1</td>
</tr>
<tr>
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<td>2.5 3</td>
</tr>
<tr>
<td></td>
<td>7 6</td>
</tr>
<tr>
<td></td>
<td>HB8.9  HRT  H6B  H1.5</td>
</tr>
<tr>
<td>36</td>
<td>7.6 3.1</td>
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<tr>
<td></td>
<td>2.5 3.6</td>
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<tr>
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<td>7 6</td>
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<td>2.5 3</td>
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<tr>
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<td>7 9</td>
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<td>2.5 3</td>
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<td></td>
<td>7 9 9</td>
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<td>2.5 3</td>
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<td>7 9 9 9</td>
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<tr>
<td></td>
<td>2.5 3</td>
</tr>
<tr>
<td></td>
<td>7 9 9 9 9</td>
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### Tower Jib

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<td>7.8 6.6 9 6.4</td>
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<tr>
<td>36</td>
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<td>L6 L9 LT7</td>
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<tr>
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<tr>
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<td>7.8 6.6 9 6.4</td>
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<tr>
<td>54</td>
<td>7.8 6.6 9 6.4</td>
</tr>
<tr>
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<tr>
<td>60</td>
<td>7.8 6.6 9 6.4</td>
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### Dimensions Not Shown In The Figure

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Tower Boom Length (m)</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>HB9.5</td>
<td>9.5</td>
<td>Boom Base</td>
</tr>
<tr>
<td>HH1.5</td>
<td>1.5</td>
<td>Hammer Head</td>
</tr>
<tr>
<td>HT1.5</td>
<td>1.5</td>
<td>Boom Top</td>
</tr>
<tr>
<td>H6</td>
<td>6</td>
<td>Boom Insert</td>
</tr>
<tr>
<td>H6B</td>
<td>6</td>
<td>Boom Insert B</td>
</tr>
<tr>
<td>H9</td>
<td>9</td>
<td>Boom Insert</td>
</tr>
<tr>
<td>HR7</td>
<td>7</td>
<td>Reducer</td>
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### Dimensions Not Shown In The Figure

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Bar Pendant Length (m)</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5</td>
<td>2.5</td>
<td>0.5m + 0.3m + 1.3m (Spreader) + 0.4m</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>0.4m + 1.2m + 1.0m + 0.4m * For rear end radius: short radius not use.</td>
</tr>
<tr>
<td>6</td>
<td>6</td>
<td>5.6m + 0.4m (Link)</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>6.6m + 0.4m (Link)</td>
</tr>
<tr>
<td>9</td>
<td>9</td>
<td>8.6m + 0.4m (Link)</td>
</tr>
<tr>
<td>3.1</td>
<td>3.1</td>
<td>0.4m (Link) + 2.3m + 0.4m (Link)</td>
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### Dimensions Not Shown In The Figure

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Pendant Rope Length (m)</th>
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<tbody>
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<td>6</td>
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<td>5.6m + 0.4m (Link)</td>
</tr>
<tr>
<td>9</td>
<td>9</td>
<td>8.6m + 0.4m (Link)</td>
</tr>
<tr>
<td>6.4</td>
<td>6.4</td>
<td>0.45m (Link) + 5.6m (Bar Pendant) + 0.35m (Link)</td>
</tr>
</tbody>
</table>

NOTE: Check the pendant rope with referring to the imprints on the rope end.

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Length (m)</th>
<th>Rope Diameter (mm)</th>
<th>Imprint</th>
</tr>
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<tbody>
<tr>
<td>6</td>
<td>5.6</td>
<td>48</td>
<td>□・△・48・5.6・6</td>
</tr>
<tr>
<td>9</td>
<td>8.6</td>
<td>48</td>
<td>□・△・48・8.6・6</td>
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</tbody>
</table>

### Dimensions Not Shown In The Figure

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Tower/Luffing Jib Length (m)</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>LB8</td>
<td>8</td>
<td>Tower/Luffing Jib Base</td>
</tr>
<tr>
<td>L6</td>
<td>6</td>
<td>Tower/Luffing Jib Insert</td>
</tr>
<tr>
<td>L9</td>
<td>9</td>
<td>Tower/Luffing Jib Insert</td>
</tr>
<tr>
<td>L17</td>
<td>7</td>
<td>Tower/Luffing Jib Top</td>
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</tbody>
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### Dimensions Not Shown In The Figure

<table>
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<th>Symbols</th>
<th>Pendant Length (m)</th>
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<tbody>
<tr>
<td>6</td>
<td>6</td>
<td>5.6m + 0.4m (Link)</td>
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<td>9</td>
<td>9</td>
<td>8.6m + 0.4m (Link)</td>
</tr>
<tr>
<td>6.4</td>
<td>6.4</td>
<td>0.45m (Link) + 5.6m (Bar Pendant) + 0.35m (Link)</td>
</tr>
</tbody>
</table>
## Tower Specifications

### Restriction of Hook Usage

The hooks which can be used as a jib hook, when there is and when there isn’t an aux. sheave hook, are listed in the following table. Using the unusable hook cause the jib to swing.

<table>
<thead>
<tr>
<th>Tower Length</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jib Length</td>
<td>24</td>
<td>30</td>
<td>36</td>
<td>42</td>
<td>48</td>
<td>54</td>
<td>60</td>
</tr>
<tr>
<td>100t Hook</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>45t Hook</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>15t Hook</td>
<td>×</td>
<td>×</td>
<td>×</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tower Length</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jib Length</td>
<td>24</td>
<td>30</td>
<td>36</td>
<td>42</td>
<td>48</td>
</tr>
<tr>
<td>100t Hook</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>45t Hook</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>15t Hook</td>
<td>×</td>
<td>×</td>
<td>×</td>
<td>○</td>
<td>○</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Tower Length</th>
<th>48</th>
<th>54</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jib Length</td>
<td>24</td>
<td>30</td>
<td>36</td>
</tr>
<tr>
<td>100t Hook</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>45t Hook</td>
<td>×</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>15t Hook</td>
<td>×</td>
<td>×</td>
<td>×</td>
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</table>

<table>
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<tbody>
<tr>
<td>Jib Length</td>
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<tr>
<td>100t Hook</td>
<td>○</td>
</tr>
<tr>
<td>45t Hook</td>
<td>×</td>
</tr>
<tr>
<td>15t Hook</td>
<td>×</td>
</tr>
</tbody>
</table>

The symbols in the table are as below.

○: Attachable
×: Not Attachable
△: Removal of Sheave Lock Required

In the aux. sheave hook, a 45t hook or 15t hook can be used in all combinations.
### Lowerable Jib Hook Mass

<table>
<thead>
<tr>
<th>Tower Length + Jib Length (m)</th>
<th>No. of Reeved Lines</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 fall</td>
</tr>
<tr>
<td>48</td>
<td>0.6</td>
</tr>
<tr>
<td>54</td>
<td>0.6</td>
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<tr>
<td>78</td>
<td>0.6</td>
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<td>84</td>
<td>0.6</td>
</tr>
<tr>
<td>90</td>
<td>0.6</td>
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<tr>
<td>96</td>
<td>0.7</td>
</tr>
<tr>
<td>102</td>
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<td>108</td>
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<tr>
<td>114</td>
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<tr>
<td>120</td>
<td>0.8</td>
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</table>

Unit: ton

### Lowerable Tower Head Hook Mass

<table>
<thead>
<tr>
<th>Tower Length (m)</th>
<th>No. of Reeved Lines</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 fall</td>
</tr>
<tr>
<td>24</td>
<td>0.6</td>
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<tr>
<td>30</td>
<td>0.6</td>
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<tr>
<td>36</td>
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</tr>
<tr>
<td>54</td>
<td>0.6</td>
</tr>
<tr>
<td>60</td>
<td>0.6</td>
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</table>
Working Ranges

- Rear end Radius: Standard

![Diagram showing working ranges and specifications for different tower heights and jib lengths for 100t, 45t, and 15t hooks.](image-url)
■ Rear end Radius: Short
- **Tower Head Hoisting (Rear end Radius: Standard)**

![Graph showing working ranges and hoisting heights for different hook capacities and jib lengths.](graph.png)
## Gross Rated Load Table

### Tower 24 m (Rear end Radius: Standard)

<table>
<thead>
<tr>
<th>Boom Angle (deg.)</th>
<th>88</th>
<th>80</th>
<th>70</th>
<th>60</th>
<th>88</th>
<th>80</th>
<th>70</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Radius (m)</strong></td>
<td>12.1</td>
<td>100.0</td>
<td>90.0</td>
<td>80.0</td>
<td>70.0</td>
<td>65.0</td>
<td>50.0</td>
<td>40.0</td>
</tr>
<tr>
<td>14</td>
<td>93.0</td>
<td>89.2</td>
<td>79.2</td>
<td>69.2</td>
<td>54.2</td>
<td>44.2</td>
<td>34.2</td>
<td>24.2</td>
</tr>
<tr>
<td>16</td>
<td>84.1</td>
<td>82.2</td>
<td>72.2</td>
<td>62.2</td>
<td>52.2</td>
<td>42.2</td>
<td>32.2</td>
<td>22.2</td>
</tr>
<tr>
<td>18</td>
<td>76.9</td>
<td>75.0</td>
<td>65.0</td>
<td>55.0</td>
<td>45.0</td>
<td>35.0</td>
<td>25.0</td>
<td>15.0</td>
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<td>69.1</td>
<td>59.1</td>
<td>49.1</td>
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<td>44.0</td>
<td>34.0</td>
<td>24.0</td>
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<td>4.0</td>
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<td>59.7</td>
<td>59.7</td>
<td>59.7</td>
<td>59.7</td>
<td>59.7</td>
</tr>
<tr>
<td>26</td>
<td>45.5</td>
<td>56.0</td>
<td>66.0</td>
<td>76.0</td>
<td>86.0</td>
<td>96.0</td>
<td>106.0</td>
<td>116.0</td>
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<td>28</td>
<td>27.8</td>
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<td>55.1</td>
<td>57.3</td>
<td>59.5</td>
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<td>34.8</td>
<td>34.8</td>
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<tr>
<td>34</td>
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1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm, level ground.
2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as hook, from figures shown above.
3. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The 145 ton counter weight and 25 ton lower weight are required for all capacities on these charts.
6. Figures described as OOm x OOt in the tables indicate “working radius” m x “rated load” ton.
7. The usable hook when lifting tower jib is described on page 41. Using the unusable hook cause the jib to swing.
8. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.
9. The necessary mass to lower the hook refers “Lowerable Jib Hook Mass” on page 42.
10. Be sure to attach the balance weight (420kg x 2) to the top jib when the jib length is 24m.
11. Remove the sheave block the boom top when using jib length 54 or 60 m for boom length 60 m.
12. The gross rated load value of the jib with the sheave block the boom top is after 1.1 tons is deducted from the gross rated load of the jib.
**Tower Specifications**

### Gross Rated Load Table

#### SPECIFICATIONS

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* For notes about the table above, refer to page 46.
### Tower Specifications

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* For notes about the table above, refer to page 46.
### Tower Specifications

#### Gross Rated Load Table

**SCX3500-3**

#### Tower 30 m (Rear end Radius: Standard)

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*For notes about the table above, refer to page 46.*
### Tower Specifications

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* For notes about the table above, refer to page 46.
# Tower Specifications

## Gross Rated Load Table

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### Tower Specifications

#### Gross Rated Load Table

**SCX3500-3**

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* For notes about the table above, refer to page 46.
### Tower Specifications

#### Gross Rated Load Table

**SCX3500-3**

**Tower Specifications**

#### SCX3500-3

**■ Tower 48 m (Rear End Radius: Standard)**

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<td><strong>Boom Angle (deg.)</strong></td>
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<td><strong>Boom Length (m)</strong></td>
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*For notes about the table above, refer to page 46.*
Tower 48 m (Rear end Radius: Standard)

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* For notes about the table above, refer to page 46.
### Tower Specifications

**SCX3500-3**

#### Gross Rated Load Table

**SPECIFICATIONS**

**Tower 54 m (Rear end Radius: Standard)**

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<td><strong>Gross Rated Load (ton)</strong></td>
<td><strong>Boom Angle (deg.)</strong></td>
<td><strong>Radius (m)</strong></td>
<td><strong>Gross Rated Load (ton)</strong></td>
<td><strong>Boom Angle (deg.)</strong></td>
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**Unit: ton**

* For notes about the table above, refer to page 46.
### Tower Specifications

**SCX3500-3**

#### Gross Rated Load Table

**SPECIFICATIONS**

**Tower 54 m (Rear end Radius: Standard)**

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**Jib Length (m)**

| **Radius (m)** | **Radius (m)** |
|---------------------------------|
| **Boom Length (m)** | **88** | **80** | **70** | **88** | **80** | **70** |
| **Boom Angle (deg.)** | **88** | **80** | **70** | **88** | **80** | **70** |
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| 22 | 31.0t | 22 |
| 24 | 31.0 | 24 |
| 26 | 30.6 | 26 |
| 28 | 30.0 | 28 |
| 30 | 29.4 | 30 |
| 32 | 28.9 | 32 |
| 34 | 28.3 | 34 |
| 36 | 26.9 | 36 |
| 38 | 25.5 | 38 |
| 40 | 24.3 | 40 |
| 42 | 23.1 | 42 |
| 44 | 22.0 | 44 |
| 46 | 21.1 | 46 |
| 48 | 20.2 | 48 |
| 50 | 19.3 | 50 |
| 52 | 18.5 | 52 |
| 54 | 17.8 | 54 |
| 56 | 17.2 | 56 |
| 58 | 16.6 | 58 |
| 60 | 16.0 | 60 |
| 62 | 15.5 | 62 |
| 64 | 14.9 | 64 |
| 66 | 13.8 | 66 |
| 68 | 12.5 | 68 |
| 70 | 11.9 | 70 |
| 72 | 11.2 | 72 |
| 74 | 10.9t | 74 |
| 76 | 9.5 | 76 |
| 78 | 77.5m x | 78 |
| 80 | 5.0t | 80 |

*For notes about the table above, refer to page 46.*
### Tower Specifications

#### Gross Rated Load Table

**SCX3500-3**

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<th>Jib Length (m)</th>
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*For notes about the table above, refer to page 46.*
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* For notes about the table above, refer to page 46.
## Tower Specifications

### Gross Rated Load Table

####Tower 24 m (Rear end Radius: Short)

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<th>Boom Angle (deg.)</th>
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</table>

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm, level ground.
2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as hook, from figures shown above.
3. The figures surrounded by bold lines are based on factors other than those which would cause a tilting condition.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The 145 ton counter weight and 25 ton lower weight are required for all capacities on these charts.
6. The figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
7. The usable hook when lifting tower jib is described on page 41. Using the unusable hook cause the jib to swing.
8. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

### Hook Capacity

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<th>Hook Mass (ton)</th>
<th>Maximum Rated Load (ton)</th>
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9. The necessary mass to lower the hook refers "Lowerable Jib Hook Mass" on page 42.

10. Be sure to attach the balance weight (420kg x 2) to the top jib when the jib length is 24m.

11. Remove the sheave block the boom top when using jib length 54 or 60 m for boom length 54 m.

12. The gross rated load value of the jib with the sheave block the boom top is after 1.1 ton is deducted from the gross rated load of the jib.
# Tower Specifications

## Gross Rated Load Table

**SCX3500-3**

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### Tower 24 m (Rear end Radius: Short)

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*For notes about the table above, refer to page 60.*
### Tower Specifications

#### Gross Rated Load Table

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</table>

| Boom Angle (deg.) | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Radius (m)        | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 |
| 15.8m x           | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 70 |
| 20.3m x           | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 70 |
| 25.8m x           | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 70 |
| 31.3m x           | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 70 |
| 36.8m x           | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 70 |

* For notes about the table above, refer to page 60.
### Tower Specifications

**Gross Rated Load Table**

#### SCX3500-3

#### For notes about the table above, refer to page 60.
## Tower Specifications

### Gross Rated Load Table

#### SCX3500-3

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<tr>
<th>Boom Length (m)</th>
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<th>36</th>
<th>42</th>
<th>60</th>
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<td>88</td>
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<td>70</td>
<td>60</td>
<td>88</td>
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<td><strong>Boom Angle</strong></td>
<td><strong>Jib Angle</strong></td>
<td><strong>Radius</strong></td>
<td><strong>Boom Angle</strong></td>
<td><strong>Jib Angle</strong></td>
<td><strong>Radius</strong></td>
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<td><strong>Degree</strong></td>
<td><strong>(m)</strong></td>
<td><strong>Degree</strong></td>
<td><strong>Degree</strong></td>
<td><strong>(m)</strong></td>
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*For notes about the table above, refer to page 60.*
### Tower Specifications

#### Gross Rated Load Table (SCX3500-3)

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<tr>
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<td>24.8</td>
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<td>11.4</td>
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*For notes about the table above, refer to page 60.*
### Tower Specifications

#### Gross Rated Load Table

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* For notes about the table above, refer to page 60.
### Tower Specifications

#### Gross Rated Load Table

**SCX3500-3**

**Tower 42 m (Rear end Radius: Short)**

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<td><strong>Boom Angle (deg.)</strong></td>
<td><strong>Radius (m)</strong></td>
<td><strong>Unit: ton</strong></td>
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<td>46.8</td>
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* For notes about the table above, refer to page 60.
## Tower Specifications

### Gross Rated Load Table

### Tower 48 m (Rear end Radius: Short)

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<th>Radius (m)</th>
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<td>73.8 m x</td>
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* For notes about the table above, refer to page 60.
# Tower 48 m (Rear end Radius: Short)

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*For notes about the table above, refer to page 60.*
### Tower Specifications

#### Gross Rated Load Table

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| **Jib Length (m)**                |
| 88  | 80 | 70 | 60 |
| 14  | 16.8m x 18.5m x 20.2m x | 14 |
| 16  | 18.8m x 20.5m x 22.2m x | 16 |
| 18  | 20.8m x 22.5m x 24.2m x | 18 |
| 20  | 22.8m x 24.5m x 26.2m x | 20 |
| 22  | 24.8m x 26.5m x 28.2m x | 22 |
| 24  | 26.8m x 28.5m x 30.2m x | 24 |
| 26  | 28.8m x 30.5m x 32.2m x | 26 |
| 28  | 30.8m x 32.5m x 34.2m x | 28 |
| 30  | 32.8m x 34.5m x 36.2m x | 30 |
| 32  | 34.8m x 36.5m x 38.2m x | 32 |
| 34  | 36.8m x 38.5m x 40.2m x | 34 |
| 36  | 38.8m x 40.5m x 42.2m x | 36 |
| 38  | 40.8m x 42.5m x 44.2m x | 38 |
| 40  | 42.8m x 44.5m x 46.2m x | 40 |
| 42  | 44.8m x 46.5m x 48.2m x | 42 |
| 44  | 46.8m x 48.5m x 50.2m x | 44 |
| 46  | 48.8m x 50.5m x 52.2m x | 46 |
| 48  | 50.8m x 52.5m x 54.2m x | 48 |
| 50  | 52.8m x 54.5m x 56.2m x | 50 |
| 52  | 54.8m x 56.5m x 58.2m x | 52 |
| 54  | 56.8m x 58.5m x 60.2m x | 54 |
| 56  | 58.8m x 60.5m x 62.2m x | 56 |
| 58  | 60.8m x 62.5m x 64.2m x | 58 |
| 60  | 62.8m x 64.5m x 66.2m x | 60 |
| 62  | 64.8m x 66.5m x 68.2m x | 62 |
| 64  | 66.8m x 68.5m x 70.2m x | 64 |

| **Boom Angle (deg.)**              |
| 10  | 13.4m x 15.1m x 16.8m x | 10 |
| 12  | 16.3m x 18.4m x 20.5m x | 12 |
| 14  | 18.5m x 20.6m x 22.7m x | 14 |
| 16  | 20.7m x 22.8m x 24.9m x | 16 |
| 18  | 22.9m x 25.0m x 27.1m x | 18 |
| 20  | 25.2m x 27.3m x 29.4m x | 20 |
| 22  | 27.5m x 29.6m x 31.7m x | 22 |
| 24  | 30.0m x 32.1m x 34.2m x | 24 |
| 26  | 32.3m x 34.4m x 36.5m x | 26 |
| 28  | 34.6m x 36.7m x 38.8m x | 28 |
| 30  | 36.8m x 38.9m x 41.0m x | 30 |
| 32  | 39.0m x 41.1m x 43.2m x | 32 |
| 34  | 41.2m x 43.3m x 45.4m x | 34 |
| 36  | 43.4m x 45.5m x 47.6m x | 36 |
| 38  | 45.6m x 47.7m x 49.8m x | 38 |
| 40  | 47.8m x 49.9m x 52.0m x | 40 |
| 42  | 49.9m x 52.0m x 54.1m x | 42 |
| 44  | 51.1m x 53.2m x 55.3m x | 44 |
| 46  | 53.3m x 55.4m x 57.5m x | 46 |
| 48  | 55.5m x 57.6m x 59.7m x | 48 |
| 50  | 57.7m x 59.8m x 61.9m x | 50 |
| 52  | 59.9m x 62.0m x 64.1m x | 52 |
| 54  | 62.2m x 64.3m x 66.4m x | 54 |
| 56  | 64.5m x 66.6m x 68.7m x | 56 |
| 58  | 66.7m x 68.8m x 70.9m x | 58 |
| 60  | 68.9m x 71.0m x 73.1m x | 60 |
| 62  | 71.2m x 73.3m x 75.4m x | 62 |
| 64  | 73.5m x 75.6m x 77.7m x | 64 |
| 66  | 75.8m x 77.9m x 80.0m x | 66 |

For notes about the table above, refer to page 60.
### Tower Specifications

**Gross Rated Load Table**

#### SCX3500-3

**Tower 54 m (Rear end Radius: Short)**

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<td>Jib Length (m)</td>
<td>54</td>
<td>Boom Angle (deg.)</td>
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<tr>
<td>Radius (m)</td>
<td>18</td>
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<td>28.3 m x</td>
<td>32.3 m x</td>
<td>36.3 m x</td>
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<tr>
<td>Unit: ton</td>
<td></td>
<td>40.9 t</td>
<td>20.9 t</td>
<td>30.9 t</td>
<td>40.9 t</td>
<td>50.9 t</td>
<td>60.9 t</td>
<td>70.9 t</td>
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</table>

*For notes about the table above, refer to page 60.*
### Tower Specifications

#### Gross Rated Load Table

**Tower 24m Tower Head Hoisting (Rear end Radius: Standard)**

<table>
<thead>
<tr>
<th>Boom Length (m)</th>
<th>Jib Length (m)</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
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<tbody>
<tr>
<td>Offset angle (deg.)</td>
<td>14</td>
<td>14</td>
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<td>14</td>
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<td>Working Radius (m)</td>
<td>5.9</td>
<td>100.0</td>
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<td>100.0</td>
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<td>14.8m x</td>
<td>14.8m x</td>
<td>14.8m x</td>
<td>14.8m x</td>
<td>14.8m x</td>
<td>14.8m x</td>
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<tr>
<td></td>
<td>16</td>
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<td>75.3</td>
<td>69.0</td>
<td>62.4</td>
<td>55.5</td>
</tr>
</tbody>
</table>

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm level ground.
2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as hook, from figures shown above.
3. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The 145 ton counter weight and 25 ton lower weight are required for all capacities on these charts.
6. Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
7. The usable hook when lifting tower jib refers "Restriction of Hook Usage* on page 41.
8. Using the unusable hook cause the jib to swing.
9. The necessary mass to lower the jib hook refers "Lowerable Jib Hook Mass" on page 42.
10. The necessary mass to lower the tower head hook refers "Lowerable Tower Head Hook Mass" on page 42.
11. Be sure to attach the balance weight (420 kg x 2) to the jib top when the jib length is 24 m.
12. Remove the sheave block the boom top when using jib length 54 or 60 m for boom length 60 m.
13. The gross rated load value of the jib with the sheave block the boom top is after 1.1 ton is deducted from the gross rated load of the jib.
### Tower Specifications

#### Gross Rated Load Table

<table>
<thead>
<tr>
<th>Working Radius (m)</th>
<th>Boom Length (m)</th>
<th>Jib Length (m)</th>
<th>Unit: t</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>14</td>
<td>42</td>
<td>72.8</td>
</tr>
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<td>20</td>
<td>14</td>
<td>54</td>
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<tr>
<td>16</td>
<td>14</td>
<td>60</td>
<td>68.0</td>
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<td>60</td>
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<td>60</td>
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</tr>
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<td>14</td>
<td>60</td>
<td>58.4</td>
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</table>

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* For notes about the table above, refer to page 72.
## Tower 48m Tower Head Hoisting (Rear end Radius: Standard)

<table>
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<th>Boom Length (m)</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
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</thead>
<tbody>
<tr>
<td>Jib Length (m)</td>
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<td>14</td>
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<td>14</td>
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<td>Offsetting angle</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
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<td>7</td>
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<td>Working Radius (m)</td>
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<td>76.0t</td>
<td>76.0t</td>
<td>76.0t</td>
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<td>76.0t</td>
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<td>76.0t</td>
<td>76.0t</td>
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## Tower 54m Tower Head Hoisting (Rear end Radius: Standard)

<table>
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<tr>
<th>Boom Length (m)</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jib Length (m)</td>
<td>14</td>
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<td>14</td>
<td>14</td>
<td>14</td>
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<td>Offsetting angle</td>
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<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
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<tr>
<td>Working Radius (m)</td>
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<td>8</td>
<td>8</td>
<td>8</td>
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<td>61.0t</td>
<td>61.0t</td>
<td>61.0t</td>
<td>61.0t</td>
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<td>9.3m x 9.3m</td>
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<td>61.0t</td>
<td>61.0t</td>
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<td>9.3m x 9.3m</td>
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<td>61.0t</td>
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## Tower 60m Tower Head Hoisting (Rear end Radius: Standard)

<table>
<thead>
<tr>
<th>Boom Length (m)</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jib Length (m)</td>
<td>14</td>
<td>14</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Offsetting angle</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Working Radius (m)</td>
<td>8</td>
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<td>8</td>
<td>8</td>
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<tr>
<td>9.9m x 9.9m</td>
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<td>61.0t</td>
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<td>9.9m x 9.9m</td>
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<td>61.0t</td>
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<td>9.9m x 9.9m</td>
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<td>61.0t</td>
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<td>9.9m x 9.9m</td>
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<tr>
<td>9.9m x 9.9m</td>
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<tr>
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<tr>
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<tr>
<td>9.9m x 9.9m</td>
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<td>61.0t</td>
<td>61.0t</td>
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</tbody>
</table>

* For notes about the table above, refer to page 72.
Weights and Dimensions of Disassembled Units

Weights and Dimensions List

Comply with the regulations when transporting.
*Weight* refers to the mass of each single unit.

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty</th>
<th>Dimensions (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front revolving frame + rear revolving frame Mast Jacks Boom hoist winch (including rope)</td>
<td>1</td>
<td><img src="image1" alt="Diagram" /></td>
<td>49250</td>
</tr>
<tr>
<td>Front revolving frame + rear revolving frame Mast Boom hoist winch (including rope) without: Jacks</td>
<td>1</td>
<td><img src="image2" alt="Diagram" /></td>
<td>46600</td>
</tr>
<tr>
<td>Front revolving frame Jacks without: Mast Boom hoist winch (including rope)</td>
<td>1</td>
<td><img src="image3" alt="Diagram" /></td>
<td>34650</td>
</tr>
<tr>
<td>Front revolving frame without: Mast Jacks Boom hoist winch (including rope)</td>
<td>1</td>
<td><img src="image4" alt="Diagram" /></td>
<td>32000</td>
</tr>
<tr>
<td>Rear revolving frame Mast Boom hoist winch (including rope)</td>
<td>1</td>
<td><img src="image5" alt="Diagram" /></td>
<td>14600</td>
</tr>
</tbody>
</table>

*Stands are for temporary placement only. Use the receiver stand size of when transporting.*

| Crawler | 2 | ![Diagram](image6) | 30200 |
| Jack beam | 4 | ![Diagram](image7) | 560 |
### Weights and Dimensions of Disassembled Units

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty</th>
<th>Dimensions (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counter weight (Base)</td>
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<td>Counter weight</td>
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<td><img src="image" alt="Counter weight Diagram" /></td>
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</tr>
<tr>
<td>Lower weight (For counter weight 145 t specifications)</td>
<td>2</td>
<td><img src="image" alt="Lower weight Diagram" /></td>
<td>12500</td>
</tr>
<tr>
<td>Lower step</td>
<td>2</td>
<td><img src="image" alt="Lower step Diagram" /></td>
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<tr>
<td>HB9.5 : 9.5 m Boom base W1, W2, W4 Winch</td>
<td>1</td>
<td><img src="image" alt="HB9.5 Diagram" /></td>
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<tr>
<td>H6 ; 6 m Boom insert Connect pin Bar pendant (Boom support 6 m and rear strut support 6 m)</td>
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<td><img src="image" alt="H6 Diagram" /></td>
<td>2700</td>
</tr>
<tr>
<td>H6B ; 6 m Boom insert B Connect pin Bar pendant (Boom support 6 m and rear strut support 3m)</td>
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<tr>
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<td>1</td>
<td><img src="image" alt="H9 Diagram" /></td>
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</tbody>
</table>

*Stands are for temporary placement only. Use the receiver stand size of [image] when transporting.*
### Weights and Dimensions of Disassembled Units

<table>
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<tr>
<th>Description</th>
<th>Qty</th>
<th>Dimensions (mm)</th>
<th>Weight (kg)</th>
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</thead>
<tbody>
<tr>
<td>HR7 : 7 m</td>
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<td>2670 7160 2495</td>
<td>3500</td>
</tr>
<tr>
<td>Reducer Connect pin Bar pendant (Boom support 7m and rear strut support 7m)</td>
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</tr>
<tr>
<td>HT1.5 : 1.5 m</td>
<td>1</td>
<td>2490 2490 2490</td>
<td>5400</td>
</tr>
<tr>
<td>Boom top</td>
<td></td>
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</tr>
<tr>
<td>LB8 : 8 m</td>
<td>1</td>
<td>8240 2495 2490</td>
<td>3120</td>
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<tr>
<td>Tower/luffing jib base</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L6 : 6 m</td>
<td>1</td>
<td>6120 1990 1880</td>
<td>1500</td>
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<tr>
<td>Tower/luffing jib insert Connect pin Pendant</td>
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</tr>
<tr>
<td>L9 : 9 m</td>
<td>1</td>
<td>9120 1990 1990</td>
<td>2000</td>
</tr>
<tr>
<td>Tower/luffing jib insert Connect pin Pendant</td>
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<tr>
<td>LT7 : 7 m</td>
<td>1</td>
<td>2025 9685 2400</td>
<td>3400</td>
</tr>
<tr>
<td>Tower/luffing jib top</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For boom top</td>
<td>1</td>
<td>1785 1210 825</td>
<td>610</td>
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<tr>
<td>Aux. sheave block</td>
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<tr>
<td>Crane jib base with jib strut Connect pin attached 7.8 m pendant attached</td>
<td>1</td>
<td>6680 1455 1085</td>
<td>1280</td>
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<tr>
<td>Description</td>
<td>Qty</td>
<td>Dimensions (mm)</td>
<td>Weight (kg)</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----</td>
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<tr>
<td>Crane jib top</td>
<td>1</td>
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<td>Crane jib insert</td>
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<tr>
<td>Connect pin attached</td>
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<tr>
<td>7.8 m pendant</td>
<td>2</td>
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</tr>
<tr>
<td>5.85m pendant</td>
<td>12</td>
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<tr>
<td>1.65m pendant</td>
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<td>Front strut</td>
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<tr>
<td>Rear strut</td>
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<td>Tower/luffing jib top tip roller</td>
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<td>Tower/luffing jib top weight</td>
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<td>Description</td>
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<td>Dimensions (mm)</td>
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<td>-----</td>
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<tr>
<td>350 t Hook</td>
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<td>4440</td>
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<tr>
<td>180 t Hook</td>
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<td>810 1150 2545</td>
<td>3340</td>
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<tr>
<td>100 t Hook</td>
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<td>790 800 2160</td>
<td>3110</td>
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<tr>
<td>45 t Hook</td>
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<td>790 730 1070</td>
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<tr>
<td>15 t Hook</td>
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<td>355 355 1000</td>
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# Equipment List

## Standard and Optional Equipment

<table>
<thead>
<tr>
<th>Item</th>
<th>Crane</th>
<th>Crane / Tower</th>
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<tbody>
<tr>
<td><strong>Lower Structure</strong></td>
<td></td>
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</tr>
<tr>
<td>1250 mm Shoe</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Jack Beam</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Crawler Sideframe Connection Unit</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Steps</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Shoe Tension Unit (Shim Adjusting Type)</td>
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<td>○</td>
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<tr>
<td><strong>Upper Structure</strong></td>
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<td></td>
</tr>
<tr>
<td>Upper House Handrails</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Under Cover (Bed Lower Surface)</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Working Light (×2)</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Back Mirror (Left / Right)</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Flip Cylinder</td>
<td>○</td>
<td>○</td>
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<tr>
<td>Auto Idle Stop</td>
<td>○</td>
<td>○</td>
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<tr>
<td>Eco Mode</td>
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<td>○</td>
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<tr>
<td><strong>Cab</strong></td>
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<tr>
<td>Tilt Cab (0 to 15°)</td>
<td>○</td>
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<tr>
<td>Air Conditioner</td>
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<td>○</td>
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<td>Sunvisor</td>
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<tr>
<td>Sunshade</td>
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<tr>
<td>Wiper with Washer (Front Window, Cab Roof Window)</td>
<td>○</td>
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</tr>
<tr>
<td>Microphone &amp; Loud-speaker</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>AM / FM Radio (with Clock)</td>
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<tr>
<td>Room Lamp</td>
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<tr>
<td>Cup Holder</td>
<td>○</td>
<td>○</td>
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<tr>
<td>24 V Power Socket (×2)</td>
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<td>○</td>
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<tr>
<td>Floor Carpet</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Level Gauge (in Cab)</td>
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<td>○</td>
</tr>
<tr>
<td>Accelerator Grip</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Drum Rotation Sensor [Front (W1) / Rear (W2) / Boom Hoist (W3) / Jib Hoist (W4)]*</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Speed Control Dial [Front (W1) / Rear (W2) / Boom Hoist (W3) / Jib Hoist (W4)]*</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Arm Chair Lever</td>
<td>○</td>
<td>○</td>
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<tr>
<td>Accelerator Pedal (Right Side)</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Boom Hoist Operation Pedal</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Swing Brake Operation Pedal</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Fan</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Fuel Burning Heater</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Life Hammer</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td><strong>Attachment</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24m Basic Boom (HB9.5: 9.5m Boom Base, HR7: 7m Reducer, H6B: 6m Boom Insert B, HT: 1.5m Boom Top)</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>H6: 6m Boom Insert (Including Boom Steps, Skywalk, Stanchion)</td>
<td>●</td>
<td>○</td>
</tr>
<tr>
<td>H9: 9m Boom Insert (Including Boom Steps, Skywalk, Stanchion)</td>
<td>●</td>
<td>○</td>
</tr>
<tr>
<td>Auxiliary Sheave for Crane (1 Sheave) [Including Auxiliary Sheave, Anti-two Block]</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>24m Tower Jib (L8: Tower/Luffing Jib Base: 8m, L9: 9m Tower/Luffing Jib Insert, LT7: Tower/Luffing Jib Top: 7m)</td>
<td>–</td>
<td>○</td>
</tr>
<tr>
<td>LC: 6m Jib Insert</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>LS: 9m Jib Insert</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Auxiliary Sheave for Tower Jib (1 Sheave) [Including Auxiliary Sheave, Anti-two Block]</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Parts Set for 13.0m Crane Jib (6.5m Jib Base, 6.5m Jib Top)</td>
<td>●</td>
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</tr>
<tr>
<td>6.0m Crane Jib Insert</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Hammer Head only for 350t Lifting [Including Anti-two Block]</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Boom Foot Pin Removal / Installation Cylinder</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>350t Hook (14 Sheaves)</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>180t Hook (7 Sheaves)</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>100t Hook (3 Sheaves)</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>45t Hook (1 Sheave)</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>15t Hook</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td><strong>Wire rope</strong></td>
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<td></td>
</tr>
<tr>
<td>Front (W1) Winch ( ø 28)</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Rear (W2) Winch ( ø 28)</td>
<td>○</td>
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</tr>
<tr>
<td>Boom Hoist (W3) Winch ( ø 28)</td>
<td>○</td>
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</tr>
<tr>
<td>Jib Hoist (W4) Winch ( ø 28)</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

*1 Jib hoist (W4) is not included in the crane specification.
<table>
<thead>
<tr>
<th>Item</th>
<th>Crane</th>
<th>Crane / Tower</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Moment Limiter</strong></td>
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<tr>
<td><strong>3 Color Percentage Indicator Light</strong></td>
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<tr>
<td><strong>Gate Lock Lever</strong></td>
<td></td>
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<tr>
<td><strong>Individual Winch Operation Lever Lock [Front (W1), Rear (W2), Boom Hoist (W3), Jib Hoist (W4), Travel]</strong></td>
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</tr>
<tr>
<td><strong>Automatic Drum Lock [Boom Hoist (W3), Jib Hoist (W4)]</strong></td>
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<tr>
<td><strong>Winch Drum Lock [Front (W1), Rear (W2)]</strong></td>
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<tr>
<td><strong>Swing Lock</strong></td>
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<tr>
<td><strong>Swing Alarm</strong></td>
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<tr>
<td><strong>Travel Alarm</strong></td>
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</tr>
<tr>
<td><strong>Auto Slowdown (Slow Stop)</strong></td>
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<tr>
<td><strong>Boom Hoist Limiting Device</strong></td>
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<tr>
<td><strong>Secondary Boom Overhoist Prevent Device</strong></td>
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<tr>
<td><strong>Warning Alarm</strong></td>
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<tr>
<td><strong>Engine Start Interlock System</strong></td>
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<tr>
<td><strong>Emergency Engine Stop Switch (In cab)</strong></td>
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<tr>
<td><strong>Lifting Height Indication Device</strong></td>
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<tr>
<td><strong>Swing Neutral Free/Brake Selection Switch</strong></td>
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<tr>
<td><strong>Anti-two Block</strong></td>
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</tr>
<tr>
<td><strong>Tower/Luffing Jib Overhoist Prevention Device</strong></td>
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</tr>
<tr>
<td><strong>Secondary Tower/Luffing Jib Overhoist Prevention Device</strong></td>
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</tr>
<tr>
<td><strong>Swing Restriction Unit</strong></td>
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<tr>
<td><strong>Anemometer (HH 1.5)</strong></td>
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</tr>
<tr>
<td><strong>Anemometer (HT 1.5)</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Anemometer (LT 7)</strong></td>
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</tr>
<tr>
<td><strong>Crane Boom Top Camera Monitor System</strong></td>
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<tr>
<td><strong>Tower/Luffing Jib Top Camera Monitor System</strong></td>
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</tr>
<tr>
<td><strong>Drum and Rear View Monitor System (+ 7)</strong></td>
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<tr>
<td><strong>Cab Roof Window Guard</strong></td>
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<tr>
<td><strong>Boom Back Stop</strong></td>
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<tr>
<td><strong>Boom Angle Sensor</strong></td>
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<tr>
<td><strong>Boom Lifting Piece</strong></td>
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<tr>
<td><strong>Remote Sensing (Mobile Communication Terminal, Data Logging Device)</strong></td>
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<tr>
<td><strong>Assembly Pad</strong></td>
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<tr>
<td><strong>Quick Draw for Side Frame Self Assembly</strong></td>
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<tr>
<td><strong>External Hydraulic Power</strong></td>
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<tr>
<td><strong>Handy Cylinder for Connecting Boom</strong></td>
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<tr>
<td><strong>Bracket for Coupling Cylinder</strong></td>
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<tr>
<td><strong>Guide Roller for Nesting Boom</strong></td>
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<tr>
<td><strong>Reduction Counter Weight Specification</strong></td>
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</tr>
<tr>
<td><strong>Reeving Winch (4 x F(30) φ 6mm x 250m)</strong></td>
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<tr>
<td><strong>Sling Ropes for Disassembly and Assembly (Belt Sling, Sling Wire, Shackle)</strong></td>
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<tr>
<td><strong>HB9.5: 9.5m Boom Base Side Footing</strong></td>
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<tr>
<td><strong>Toolbox (Left and Right Sideframes Attached)</strong></td>
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<tr>
<td><strong>Additional Spare Parts (Hydraulic Oil Filter)</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Additional Tools (Large Hammer, Crowbar, Chisel)</strong></td>
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</tr>
<tr>
<td><strong>Standard Supplied Tools</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Standard Spare Parts</strong></td>
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</tbody>
</table>

*2 Europe specification machines only.

*3 The reduction counter weight specification can only be used for the crane specification, with the exception of the crane jib.
• We are constantly improving our products and therefore reserve the right to change designs and specifications without notice.
• Units in this specification are shown under International System of Units; the figures in parenthesis are under Gravitational System of Units as old one.