### GENERAL DIMENSIONS

![Diagram of the 6000SLX crane](image)

**Unit:** mm

### SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>STD</th>
<th>SL-N</th>
<th>SL-T</th>
<th>SL-B</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Long Mast</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>External Counterweight</td>
<td>1</td>
<td>—</td>
<td>—</td>
<td>20 — 260</td>
</tr>
<tr>
<td><strong>Heavy Duty Boom Crane</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Lifting Capacity</td>
<td>1</td>
<td>500</td>
<td>428</td>
<td>550</td>
</tr>
<tr>
<td>Boom Length</td>
<td>m</td>
<td>24 — 96</td>
<td>36 — 96</td>
<td>36 — 96</td>
</tr>
<tr>
<td><strong>Long Range Boom Crane</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Lifting Capacity</td>
<td>1</td>
<td>260</td>
<td>200</td>
<td>250</td>
</tr>
<tr>
<td>Boom Length</td>
<td>m</td>
<td>42 — 106</td>
<td>78 — 108</td>
<td>78 — 126</td>
</tr>
<tr>
<td><strong>Luffing-Jib</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Lifting Capacity</td>
<td>1</td>
<td>210</td>
<td>177</td>
<td>250</td>
</tr>
<tr>
<td>Boom Length</td>
<td>m</td>
<td>24 — 72</td>
<td>36 — 72</td>
<td>36 — 72</td>
</tr>
<tr>
<td>Jib Length</td>
<td>m</td>
<td>24 — 72</td>
<td>24 — 72</td>
<td>24 — 72</td>
</tr>
<tr>
<td>Rope Line Speed (1st layer)**</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Load Hoist Drums</td>
<td>m/min</td>
<td>110</td>
<td>110</td>
<td>110</td>
</tr>
<tr>
<td>Boom Hoist Drum</td>
<td>m/min</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Luffing-Jib Hoist Drum</td>
<td>m/min</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td><strong>Working Speed</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slewing</td>
<td>m/min (rpm)</td>
<td>1.0 (1.0)</td>
<td>1.5 / 1.3 / 0.8</td>
<td>0.5 (0.5)</td>
</tr>
<tr>
<td>Travel</td>
<td>m/min</td>
<td>1.0 (1.0)</td>
<td>1.5 / 1.3 / 0.8</td>
<td>0.5 (0.5)</td>
</tr>
<tr>
<td>Engine</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Make &amp; Model</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated Output</td>
<td>kW/min (PS/rpm)</td>
<td>397 / 1,800 (540 / 1,800)</td>
<td>1,000 / 1,800 (1,320 / 1,800)</td>
<td></td>
</tr>
</tbody>
</table>

Note: 1. Including tray or hoist**
2. Rope line speeds will vary with the load**

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**Note:** We are constantly improving our products and therefore reserve the right to change designs and specifications without notice.

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http://www.hsc-cranes.com

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**Units in this catalog are shown under International System of Units (SI). The figures in parenthesis are under the older British Gravitational System of Units.**

**Illustrations may include optional equipment and accessories, and may not include all standard equipment.**

**Note:** (    ) indicates option dimensions.
Handles Huge Jobs and easily Disassembles for Transport

The 6000SLX can lift 550 t with ease. It is also easily disassembled for transport and promptly set up at the next job site.
Super Lift : SL-B/SL-T
Excellent lifting capacity and wide working range

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**SL-B**
- Three operating modes can improve performance of the crane.
  - **Slewing Mode**
  - **Trailer Mode**
  - **Crab Mode**

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**Operating panel for SL-B attachment**
- Jack Cylinder Switch
- Driving Mode Select Switch
- Buggy Operation Mode

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**Extension beam (for SL-B)**
- By using detachable extension beam, buggy can be fixed at three points of 11m/13.5m/16m.

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**Fixed Mast top position**
- Even if mast top position would be fixed at 13.5m from center of rotation, external weight radius can be changed. External weight radius backward is minimum smaller than former model.

**Suspension cylinder for External weight**
- Adaption for ground height and adjustment of external weight tension force are available.

**External weight holding by steel pipe pendant**
- No stretch by variation of tension force. Oscillating movement of boom back and force is small.
- Tension force of external weight is surely available.

**Mast holding by steel plate pendant**
- No stretch by variation of tension force and it is possible to minimize mast vibration.

**Variable beam adjustable cylinder (for SL-T)**
- Distance of each rotation center between main body and tray weight is retractable from 11m to 16m steplessly. Function of variable stability moment, boom hoist is available with lifting load. By beam connection, at slewing weight and base machine has become unified to make it possible to be stabilized.
Wide working range
Covers wide range from 350t to 650t class
(middle range boom lifting capacity)

Wide variety of boom configurations,
functiona and economical common boom

6000SLX Lifting capacity range

<table>
<thead>
<tr>
<th>300 t class</th>
<th>400 t class</th>
<th>500 t class</th>
<th>600 t class</th>
<th>700 t class</th>
</tr>
</thead>
<tbody>
<tr>
<td>126 t + 16 t Weight</td>
<td>162 t + 50 t Weight</td>
<td>180 t + 62 t Weight</td>
<td>Super Lift SL-B/SL-T</td>
<td></td>
</tr>
</tbody>
</table>

* Figures shown in "t + t" indicates mass of counterweight + mass of lowerweight.

* It is possible to attach to STD and SL-N specification.

Heavy duty tip extension (option)
The best for set up wind power generation.

Boom/Jib Combinations: SL-T/SL-B

Long Range Boom Crane

Boom Length: 78 m \(\rightarrow\) 120 m (42 m \(\rightarrow\) 100 m)

Heavy Duty Boom Crane

Boom Length: 36 m \(\rightarrow\) 84 m (24 m \(\rightarrow\) 72 m)

Luffing Jib

Tower Length: 36 m \(\rightarrow\) 84 m (24 m \(\rightarrow\) 72 m)

Jib Length: 24 m \(\rightarrow\) 84 m (24 m \(\rightarrow\) 72 m)

Dimensions shown inc. h are under STD specification.
Disassembles to Less Than 2 990 mm Transport Width. Uses its Own Power for Assembly and Disassembly.

Quick-draw system is available (with load moment indicator) (option)
Upper jack available (option)
The combination of the quick-draw system and Upper jack enables the 6000 SLX to be assembled and disassembled by a single helper crane (60 t RTC), reducing cost.

Hook-on and pin joint type side frame connection device is standard

Hook-on and pin joint type front / rear post and auxiliary jib foot pin
Not only there is no need to align the pins, the operation can be done without the use of hammers. These amenities help to make assembly time 1/3 shorter than on previous models, dramatically reducing the mount of labor required.

Hook-on type jib backstop is standard
The jib backstop can be automatically mounted if the rear post is mounted.

Split upper frame with quick disconnect device (option)
By removing boom live mast, rear frame and boom hoist winch as an integrated unit from the front frame, the front frame weight becomes approx. 31 t. Since these items are removed as an integrated unit, there is no need to remove the boom hoist cable from the frame.

Hydraulically assisted connection pin mechanism (option)

Hydraulic type rear post backstop with self-powered assembly and storage device (with luffing specifications)
There is no need for large assisting equipment to do the lifting operations when assembly the rear post. Moreover, the center of gravity is positioned near the assembly area so there will be no unbalance due to weight shifting from front to rear. This enables the assembly to done quickly and safely.

Go from rear post support pendant connection to tension instantly
Use the hydraulic cylinder to tilt the rear post, connect the pendant and then extend the cylinder to achieve pendant tension. Now this operation, which was once dangerous and required manual power, is no longer necessary. Moreover, the time to perform this operation has been dramatically reduced.

Hydraulic foot pin easy centering design
Boom connect pin holding device
Pendant holding device
hook-on and pin joint type boom live mast

Side jack for long boom self-powered lifting
When a boom length of 84 m or more is used, self-lifting can be done by setting the side jack.
Spacious 1 200 mm wide cab ensures a comfortable space for the operator. There is even plenty of room when monitoring instruments are added, which helps to make the operator comfortable for efficient operation.