6000SLX
HYDRAULIC CRAWLER CRANE
Contents

Specifications .................................................................................................................. 3-4

Symbols ......................................................................................................................... 4

Outline
- Winch Assignment .................................................................................................. 5
- Dimensions & Main Specifications : Liftcrane ......................................................... 6
- Dimensions & Main Specifications : Luffing Tower ............................................... 7

Liftcrane
Heavy Duty Boom
- Boom Combinations .............................................................................................. 8
- Working Range Diagram ......................................................................................... 9
- Capacities ................................................................................................................ 10-11
- Notes .................................................................................................................... 12-13

Liftcrane
Long Range Boom
- Boom Combinations .............................................................................................. 14
- Working Range Diagram ......................................................................................... 15
- Capacities ................................................................................................................ 16-17
- Notes .................................................................................................................... 18-19

Heavy Duty Tip Extension
- Boom Combinations .............................................................................................. 20
- Working Range Diagram ......................................................................................... 21
- Capacities ................................................................................................................ 22-23
- Notes .................................................................................................................... 24

Luffing Tower
- Boom Combinations .............................................................................................. 26-27
- Working Range Diagram ......................................................................................... 28-32
- Capacities ................................................................................................................ 33-38
- Notes .................................................................................................................... 39-40

Transport Data ............................................................................................................. 42-48

Standard and Optional Equipment
- Standard Equipment ............................................................................................... 49
- Optional Equipment ............................................................................................... 50-51
### Engine

- **Model:** Isuzu 6WG1
- **Type:** 4-cycle, water-cooled, direct injection, turbo-charged, diesel engine
- **Displacement:** 15,681 cc
- **Rated Output:** 397 kW / 1,800 min⁻¹ (540 ps / 1,800 rpm)
- **Fuel Tank:** 800 liters
- **Electrical System:** 24 V D.C., 2 batteries

**Notes:**
1. Engine meets Stage / Tier 3 of current smoke emission regulations in Europe, United States and Japan.
2. The 397 kW engine horsepower shown above is based on an international engine horsepower rating formula that includes the horsepower necessary for engine alternator drive but excludes engine fan drive.

### Control

- **Control System:** Control levers operate remote-controlled hydraulic servos that direct oil through six sets of tandem valves to provide comprehensive motion control.
- **Control Levers:** Ergonomic lever layout enables efficient operation. Joystick lever on left side controls slewing and boom hoist. Arm-chair levers on right side control hoist 1 & 2, luffing jib hoist, travel and long-mast hoist. Main winch levers are equipped with drum rotation sensors.
- **Slewing Brake Pedal:** Designed to be maintenance free while resisting overheating. Unique brake design of hydraulic oil control system makes it possible to smoothly initial slewing motion, even against the wind.
- **Display Panel Design:** Graphics on the display panel makes it easy to input the necessary operating conditions and data according to actual lifting and working conditions.

### Hydraulic System

Three variable-displacement axial piston pumps and one fixed-displacement tandem gear pump provide power for independent and combined operations for all functions.

- **Hydraulic Reservoir Capacity:** 800 liters

### Load Hoist Drums (W1, W2)

Independent bi-directional hydraulic motors provide power through a two-stage planetary reduction gear unit to drive the two main hoisting drums for hoisting and lowering operations.

- **Cables:** 28mm dia. / 800 m long.

### Boom Hoist Drum (W3)

A single bi-directional axial piston hydraulic motor powers a 3-stage planetary reduction gear unit that drives the rope drum to either hoist or lower the boom.

- **Cables:** 28 mm dia.

### Luffing Jib Hoist Drum (W4)

A single bi-directional axial piston hydraulic motor powers a 3-stage planetary reduction gear unit that drives the rope drum to either hoist or lower the luffing jib.

- **Cables:** 28 mm dia.
Specifications

Slewling System
Slewling system is designed so that the three slewing pinions mesh with the external slewing ring gear. With this design, the external slewing gears bears the majority of the slewing torque. The system is designed to be easy to lubricate.

Counterweight
Standard 160 ton counterweight consists of a 20-ton base weight and 14 cast iron block pieces that all have the same dimensions. Optional 180-ton weight uses two additional weights in addition to standard counterweight.

Lower Weight
50-ton weight is standard
62-ton weight is option

Side Frames
All welded structures are manufactured from high-strength steel. Each component is equipped with two steel plate hooks to make assembling on lower frame lower. Side frame is secured by removable joint pins provided on the lower frame.
- Shoe width : 1 220 mm wide is standard. 1 524 mm wide is option.
- Drive unit : 2-track drive unit per side frame.

Safety Device
- Load Moment Indicator (LMI) : The computerized system helps prevent overloads and provide safe and efficient control. Meets both EN and BS standards.
- Front-end Attachment. Erection Mode :
  - This is an internal function of the Load Moment Indicator (LMI). It gives a warning on the LMI panel that the crane has extended beyond its intended working area. Once the work outside the intended working area is completed, the system returns automatically to resume work in the intended working range.

- Counterweight

- Hydraulic Boom Backstops :
  - These stops operate in conjunction with LMI to help prevent backward reaction, especially when operating with short boom lengths or against winds.

- Boom Over-hoist and Over-lowering Limiting Device :
  - This is a combination of two systems designed to enhance operating efficiency. One system is a limit switch that is incorporated into the boom foot to prevent over hoisting. The other is a part of the LMI that prevents over-hoisting or over-lowering the boom. It includes automatic drum braking, hydraulic locks and alarm warnings.

Symptoms
- Capacity
- Sideframes
- Counterweight
- Lower Weight
- Heavy Duty Boom
- Long Range Boom
- Luffing Jib
- Heavy Duty Tip Extension
- Working Radius
### Winch Assignment

### Hook Blocks

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<th>Hook blocks</th>
<th>Mass (kg)</th>
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<td>550 t 280 t hook block plus a ten sheaves equalizer block</td>
<td>12 500</td>
</tr>
<tr>
<td>280 t Ten sheaves</td>
<td>7 000</td>
</tr>
<tr>
<td>320 t 160 t hook block plus an eight sheaves equalizer block</td>
<td>7 900</td>
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<tr>
<td>160 t Five sheaves</td>
<td>3 900</td>
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<tr>
<td>65 t Two sheaves</td>
<td>* 3 000 / 2 000</td>
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<tr>
<td>15 t Ball hook</td>
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*: with auxiliary weight / without auxiliary weight
**Main Specification : Liftcrane**

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<th>Front-end Attachment</th>
<th>Description</th>
<th>Spec.</th>
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<td>Load Hoist Drum : W1,W2</td>
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<td>Boom Hoist Drum : W3</td>
<td>m / min</td>
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<td>Slewing Speed</td>
<td>min (rpm)</td>
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<td>Travel Speed</td>
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<tr>
<td>Ground Pressure*</td>
<td>kPa/kgt / cm²</td>
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<tr>
<td>Working Mass*</td>
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* : Including heavy duty basic boom, 550 t hook block, counterweight(160 t) and optional 1 524 mm wide shoes.

( ) : Optional 1 524 mm wide shoes.
### Dimensions & Main Specifications: Luffing Tower

#### Dimensions: Luffing Tower

![Diagram of Luffing Tower]

**Load Hoist Drums:** W1, W2  \( \text{m/min} \)  110  
**Tower Hoist Drum:** W3  \( \text{m/min} \)  40  
**Luffing Jib Hoist Drum:** W4  \( \text{m/min} \)  49  
**Slewing Speed:**  \( \text{min}^{-1} \)  \( \text{rpm} \)  1.0 (1.0)  
**Travel Speed:**  \( \text{km/hr} \)  1.5 / 1.3 / 0.6  
**Ground Pressure:**  \( \text{kPa} / \text{kgf/cm}^2 \)  143 (1.45)  
**Working Mass:**  \( \text{t} \)  450  

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*: Optional 1524 mm wide shoes.

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* : Including 72 m Tower + 72 m Luffing Jib, counterweight(160 t) and optional 1524 mm wide shoes.
### Liftcrane: Heavy Duty Boom 6000SLX

#### Boom Combinations

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1. Capacities included in these charts are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions.

2. Capacities are in metric tons, and are rated in accordance with European EN13 000 Standards in terms of machine stability and structural strength limitations. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.

3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, and operating speeds. Operator must reduce load ratings to take such conditions into account. Deduction from rated capacities must be made for weight of hook block, weighted ball/hook, sling, spreader bar, or other suspended gear.

4. The maximum rated load of the auxiliary sheave is the value remaining after the 2.0 ton mass of the auxiliary sheave and the mass of the “main hook” attached to the “boom” are deducted from the maximum rated load of the “Heavy Duty Boom Capacities.” However, the maximum rated load of the auxiliary sheave is limited to 60 tons. The operating range of the auxiliary sheave is the range that has the maximum rated load of the main hook.

5. If the auxiliary sheave is attached, the maximum rated load of the “main hook” is the value remaining after the 2.0 ton mass of the auxiliary sheave and the mass of the auxiliary hook attached to the auxiliary sheave are deducted from the maximum rated load of the “Heavy Duty Boom Capacities.”

6. The “working radius” is the horizontal distance from the slewing center to the center of gravity of a lifted load.

7. The boom tilt angle range is according to the working range diagram.

8. The chart below shows the number of reeled lines and the maximum rated loads. (When the wire rope length is 800 m.)

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Notes

9. The chart below shows the operable windings based on the length of each boom.
Notes

10. If the total mass of the hook mass and the mass of all rigging components is lighter than the mass indicated on this chart, the hook may not lower even when a lowering operation is performed. Please select a hook that can be lowered based on the boom length and number of windings.

| Boom Length / Number of reeled lines | 1 Fall | 2 Falls | 3 Falls | 4 Falls | 5 Falls | 6 Falls | 7 Falls | 8 Falls | 9 Falls | 10 Falls | 11 Falls | 12 Falls | 13 Falls | 14 Falls | 15 Falls | 16 Falls | 17 Falls | 18 Falls | 19 Falls | 20 Falls |
|-------------------------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 24 m                                | -      | -       | -       | -       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 30 m                                | -      | 2.0     | 2.0     | 2.0     | 3.9     | 3.9     | 3.9     | 3.9     | 3.9     | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | -        |
| 36 m                                | -      | 2.0     | 2.0     | 2.0     | 3.9     | 3.9     | 3.9     | 3.9     | 3.9     | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | -        |
| 42 m                                | -      | 2.0     | 2.0     | 2.0     | 3.9     | 3.9     | 3.9     | 3.9     | 3.9     | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | -        |
| 48 m                                | -      | 2.0     | 2.0     | 2.0     | 3.9     | 3.9     | 3.9     | 3.9     | 3.9     | 7.0      | 7.0      | 7.0      | 7.0      | 7.0      | -        | -        | -        | -        | -        | -        |
| 54 m                                | -      | 2.0     | 2.0     | 2.0     | 3.9     | 3.9     | 3.9     | 3.9     | 3.9     | 7.0      | 7.0      | 7.0      | 7.0      | -        | -        | -        | -        | -        | -        | -        |
| 60 m                                | -      | 2.0     | 2.0     | 2.0     | 3.9     | 3.9     | 3.9     | 3.9     | 4.1     | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 66 m                                | -      | 2.0     | 2.0     | 2.0     | 3.9     | 3.9     | 3.9     | 3.9     | 4.0     | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 72 m                                | -      | 2.0     | 2.0     | 2.0     | 3.9     | 3.9     | 3.9     | 3.9     | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 78 m                                | -      | 2.0     | 2.0     | 2.0     | 3.9     | 3.9     | 3.9     | 3.9     | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 84 m                                | -      | 2.0     | 2.0     | 2.0     | 4.0     | 3.9     | 3.9     | 4.0     | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 90 m                                | -      | 2.0     | 2.0     | 2.1     | 3.9     | 3.9     | 3.9     | 3.9     | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 96 m                                | -      | 2.0     | 2.0     | 2.2     | 3.9     | 3.9     | 4.0     | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |

11. 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>
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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>
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<th>72</th>
<th>78</th>
<th>84</th>
<th>90</th>
<th>96</th>
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<td>Equivalent Mass (ton)</td>
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### Boom Combinations

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<tr>
<td>42 m</td>
<td>HB9.5 H12A Hr7 L6A L7.5</td>
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<td>48 m</td>
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<td>60 m</td>
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<td>66 m</td>
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<td>72 m</td>
<td>HB9.5 H6A H12A HL12B Hr7 L6A L12A L7.5</td>
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<td>90 m</td>
<td>HB9.5 H12A HL12B HL12B Hr7 L6A L12A LL12A L7.5</td>
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<td>96 m</td>
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<tr>
<td>102 m</td>
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</tr>
<tr>
<td>108 m</td>
<td>HB9.5 H12A H12B HL12B HL12B Hr7 L12A L12B LL12A L7.5</td>
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</table>

※ "Ⅰ" shows midpoint support.
Working Range Diagram
## Capacities

| Liftcrane: Long Range Boom 6000SLX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Capacities** | **160 t** | **50 t** |
| **(m)** | **(m)** | **(m)** | **(m)** | **(m)** | **(m)** | **(m)** | **(m)** | **(m)** | **(m)** | **(m)** | **(m)** | **(m)** | **(m)** |
| 42 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 |
| 48 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 |
| 54 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 |
| 60 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 |
| 66 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 |
| 72 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 |
| 78 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 |
| 84 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 |
| 90 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 |
| 96 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 |
| 102 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 |
| 108 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 | 250.0 |

- **7.5** | **250.0**  
- **8** | **250.0**  
- **9** | **250.0**  
- **10** | **250.0**  
- **12** | **220.7**  
- **14** | **184.7**  
- **16** | **155.9**  
- **18** | **131.2**  
- **20** | **112.7**  
- **22** | **98.4**  
- **24** | **87.0**  
- **26** | **77.7**  
- **28** | **70.0**  
- **30** | **63.5**  
- **32** | **57.9**  
- **34** | **53.1**  
- **36** | **48.9**  
- **38** | **45.2**  
- **40** | **44.4 / 38.5**  
- **42** | **37.9**  
- **44** | **35.7 / 34.7**  
- **46** | **32.5**  
- **48** | **30.3**  
- **50** | **29.5 / 48.9**  
- **52** | **25.8**  
- **54** | **24.2**  
- **56** | **24.1 / 54.1**  
- **58** | **20.5**  
- **60** | **19.7 / 59.3**  
- **62** | **16.8**  
- **64** | **15.8**  
- **66** | **15.5 / 64.5**  
- **68** | **13.4**  
- **70** | **12.6 / 69.7**  
- **72** | **10.6**  
- **74** | **9.8**  
- **76** | **9.5 / 74.9**  
- **78** | **7.9**  
- **80** | **7.2**  
- **82** | **7.2 / 80.1**  
- **83.3** | **5.0**
## Capacities

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<td>56.0</td>
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</table>

**Total Capacities:**

- **180 t:** 250.0
- **62 t (OPT.):** 22.0

**Liftcrane: Long Range Boom / 6000SLX**

**Capacities:**

- **180 t:** 62 t (OPT.)

**Lift crane capacities:**

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<th>(ton)</th>
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<td>18.0</td>
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**Total Capacities:**

- **180 t:** 250.0
- **62 t (OPT.):** 22.0
1. Capacities included in these charts are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions.

2. Capacities are in metric tons, and are rated in accordance with European EN13000 Standards in terms of machine stability and structural strength limitations; the figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.

3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, and operating speeds. Operator must reduce load ratings to take such conditions into account. Deduction from rated capacities must be made for weight of hook block, weighted ball/hook, sling, spreader bar, or other suspended gear.

4. The maximum rated load of the auxiliary sheave is the value remaining after the 1.3 ton mass of the auxiliary sheave and the mass of the "main hook" attached to the "boom" are deducted from the maximum rated load of the "Long Range Boom Capacities." However, the maximum rated load of the auxiliary sheave is limited to 30 tons. The operating range of the auxiliary sheave is the range that has the maximum rated load of the main hook.

5. If the auxiliary sheave is attached, the maximum rated load of the "main hook" is the value remaining after the 1.3 ton mass of the auxiliary sheave and the mass of the auxiliary hook attached to the auxiliary sheave are deducted from the maximum rated load of the "Long Range Boom Capacities."

6. The "working radius" is the horizontal distance from the slewing center to the center of gravity of a lifted load.

7. The boom tilt angle range is according to the working range diagram.

8. The chart below shows the number of reeled lines and the maximum rated loads. (When the wire rope length is 800 m.)

<table>
<thead>
<tr>
<th>Hook Capacity (ton)/Boom Length (m)</th>
<th>Hook Weight (ton)</th>
<th>Maximum Rated Load (ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>42</td>
<td>48</td>
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<tr>
<td>320 Double-Reeling</td>
<td>11 X 2 Falls</td>
<td>10 X 2 Falls</td>
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<tr>
<td></td>
<td>11 Falls</td>
<td>10 Falls</td>
</tr>
<tr>
<td>280 Single-Reeling</td>
<td>11</td>
<td>157</td>
</tr>
<tr>
<td>160 Single-Reeling</td>
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<tr>
<td>65 Single-Reeling</td>
<td>※ 3.0 / 2.0</td>
<td>-</td>
</tr>
<tr>
<td>15 Single-Reeling</td>
<td>1.0</td>
<td>-</td>
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</tbody>
</table>

※ : With auxiliary weights / Without auxiliary weights

9. The chart below shows the operable windings based on the length of each boom.

<table>
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<tr>
<th>Hook Capacity (ton)/Boom Length (m)</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
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<td>9 x 2</td>
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<td>7 x 2</td>
<td>6 x 2</td>
<td>5 x 2</td>
<td>-</td>
<td>-</td>
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<td></td>
<td>Min. 5 x 2</td>
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<td>5 x 2</td>
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Notes

10. If the total mass of the hook mass and the mass of all rigging components is lighter than the mass indicated on this chart, the hook may not lower even when a lowering operation is performed. Please select a hook that can be lowered based on the boom length and number of windings.

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<th>1 Fall</th>
<th>2 Falls</th>
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<th>4 Falls</th>
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<th>6 Falls</th>
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11. The rated total load when the operation being performed with the rear post support pendant attached is the value remaining when the value in the chart below is deducted from the rated total load chart.

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<th>72</th>
<th>78</th>
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Boom Combinations

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<td>96 m</td>
<td><img src="image6" alt="Boom Combination Diagram" /></td>
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※ Shows midpoint support.
## Capacities

**Heavy Duty Tip Extension 6000SLX**

### Capacities (ton)

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<th>160 t</th>
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</table>

### Notes

- Capacities are given in tonnes (ton).
- The table provides capacities for different trailer lengths (m).
- The capacities are shown for two different weights: 50 t and 160 t.
- The table includes a range of trailer lengths from 14.0 m to 78.5 m, with corresponding capacities for each length.
- The capacities are listed in descending order of trailer length.

### Additional Information

- **Heavy Duty Tip Extension** indicates that this is a heavy-duty tip extension designed for increased capacity and durability.
- **6000SLX** is likely the model or specification of the tip extension.
## Capacities

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<td>5.4</td>
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</tbody>
</table>
Notes

1. Capacities included in these charts are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions.

2. Capacities are in metric tons, and are rated in accordance with European EN13000 Standards in terms of machine stability and structural strength limitations. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.

3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, and operating speeds. Operator must reduce load ratings to take such conditions into account. Deduction from rated capacities must be made for weight of hook block, weighted ball/hook, sling, spreader bar, or other suspended gear.

4. The maximum rated load of the auxiliary sheave is the value remaining after the mass of the "main hook" attached to the "Heavy Duty Auxiliary Tip Extension" are deducted from the maximum rated load of the "Heavy Duty Auxiliary Tip Extension Capacities." However, the maximum rated load of the auxiliary sheave is limited to 15 tons. The operating range of the auxiliary sheave is the range that has the maximum rated load of the main hook.

5. If the auxiliary hook is attached to the Auxiliary sheave, the maximum rated load of the "main hook" is the value remaining after the mass of the auxiliary hook are deducted from the maximum rated load of the "Heavy Duty Auxiliary Tip Extension Capacities."

6. The "working radius" is the horizontal distance from the slewing center to the center of gravity of a lifted load.

7. The boom tilt angle range is according to the working range diagram.

8. The chart below shows the number of reeled lines and the maximum rated loads. (When the wire rope length is 800 m.)

<table>
<thead>
<tr>
<th>Hook Capacity (ton) / Boom Length (m)</th>
<th>1 Fall</th>
<th>2 Falls</th>
<th>3 Falls</th>
<th>4 Falls</th>
<th>5 Falls</th>
<th>6 Falls</th>
<th>7 Falls</th>
</tr>
</thead>
<tbody>
<tr>
<td>66 m</td>
<td>1.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>3.9</td>
<td>3.9</td>
</tr>
<tr>
<td>72 m</td>
<td>1.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.1</td>
<td>3.9</td>
<td>3.9</td>
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<tr>
<td>78 m</td>
<td>1.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.3</td>
<td>3.9</td>
<td>3.9</td>
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<tr>
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<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.4</td>
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<td>2.0</td>
<td>2.0</td>
<td>2.1</td>
<td>2.6</td>
<td>3.9</td>
<td>3.9</td>
</tr>
<tr>
<td>96 m</td>
<td>1.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.2</td>
<td>2.8</td>
<td>3.9</td>
<td>4.0</td>
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</table>

9. The chart below shows the operable windings based on the length of each boom.

<table>
<thead>
<tr>
<th>Hook Capacity (ton) / Boom Length (m)</th>
<th>1 Fall</th>
<th>2 Falls</th>
<th>3 Falls</th>
<th>4 Falls</th>
<th>5 Falls</th>
<th>6 Falls</th>
<th>7 Falls</th>
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</thead>
<tbody>
<tr>
<td>160 Single-Reeling</td>
<td>Max.</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>6</td>
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<tr>
<td></td>
<td>Min.</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td></td>
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<tr>
<td>65 Single-Reeling</td>
<td>Max.</td>
<td>5</td>
<td>5</td>
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<tr>
<td></td>
<td>Min.</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
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</tr>
<tr>
<td>15 Single-Reeling</td>
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</table>

10. If the total mass of the hook mass and the mass of all rigging components is lighter than the mass indicated on this chart, the hook may not lower even when a lowering operation is performed. Please select a hook that can be lowered based on the boom length and number of windings.

<table>
<thead>
<tr>
<th>Boom Length / Number of reeled lines</th>
<th>1 Fall</th>
<th>2 Falls</th>
<th>3 Falls</th>
<th>4 Falls</th>
<th>5 Falls</th>
<th>6 Falls</th>
<th>7 Falls</th>
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<tbody>
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11. 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.
### Tower Combinations

<table>
<thead>
<tr>
<th>Height (m)</th>
<th>Combinations</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>HB9.5 H6A H12B HR7 HT1.5</td>
</tr>
<tr>
<td>30</td>
<td>HB9.5 H12A H12B HR7 HT1.5</td>
</tr>
<tr>
<td>36</td>
<td>HB9.5 H6A H12A H12B HR7 HT1.5</td>
</tr>
<tr>
<td>42</td>
<td>HB9.5 H12A H12B H12C HR7 HT1.5</td>
</tr>
<tr>
<td>48</td>
<td>HB9.5 H6A H12A H12B H12C HR7 HT1.5</td>
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<tr>
<td>54</td>
<td>HB9.5 H12A H12B H12C H12D HR7 HT1.5</td>
</tr>
<tr>
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<td>HB9.5 H6A H12A H12B H12C H12D HR7 HT1.5</td>
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<tr>
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<td>HB9.5 H12A H12B H12C H12D HL12B HR7 HT1.5</td>
</tr>
<tr>
<td>72</td>
<td>HB9.5 H6A H12A H12B H12C H12D HL12B HR7 HT1.5</td>
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</tbody>
</table>

※ " " shows midpoint support.

### Jib Combinations

<table>
<thead>
<tr>
<th>Height (m)</th>
<th>Combinations</th>
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<tr>
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<td>LB6 L6A L12A L12B L12C L12D L12E L12F</td>
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<td>LB6 L12A L12B L12C L12D L12E L12F</td>
</tr>
<tr>
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<td>LB6 L6A L12A L12B L12C L12D L12E L12F</td>
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<td>LB6 L12A L12B L12C L12D L12E L12F</td>
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<tr>
<td>72</td>
<td>LB6 L6A L12A L12B L12C L12D L12E L12F</td>
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※ " " shows midpoint support.
# Boom Combinations

<table>
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<th>48 m</th>
<th>54 m</th>
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</table>

*The above-mentioned signs are as follows.

☺ : Possible at 86° - 65°  ○ : Possible at 86° - 75°  ✗ : No setting
Luffing Tower
6000SLX

Working Range Diagram

Tower length 24 m
Working Range Diagram

Tower length 36 m

Height above ground (m)

Working radius (m)
Luffing Tower

Working Range Diagram

Tower length 48 m

Aux. sheave

Height above ground (m)

Working radius (m)

71° 65° 55° 45° 35° 25° 15° 15° 15° 25° 35° 45°

Height above ground (m)

Working radius (m)

Aux. sheave
Working Range Diagram

Tower length 60 m

Height above ground (m) vs. Working radius (m) diagram for the Luffing Tower / 6000SLX model, showing the working range at various angles and heights above ground.
Tower length 72 m

Height above ground (m)

Working radius (m)

Aux. sheave

Working Range Diagram

Luffing Tower 6000SLX
## Luffing Jib Capacities

### Luffing Tower / 6000SLX

### Luffing Jib Capacities

<table>
<thead>
<tr>
<th>(m)</th>
<th>24 m</th>
<th>36 m</th>
<th>48 m</th>
<th>60 m</th>
<th>72 m</th>
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### Luffing Jib Capacities

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<tr>
<th>(m)</th>
<th>24 m</th>
<th>36 m</th>
<th>48 m</th>
<th>60 m</th>
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## Luffing Jib Capacities

### 48 m  160 t  50 t w/o Heavy head sheave block

<table>
<thead>
<tr>
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<th>36 m</th>
<th>48 m</th>
<th>60 m</th>
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**Luffing Tower / 6000SLX**

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### Luffing Jib Capacities

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### Luffing Jib Capacities

#### 48 m 180 t 62 t (OPT.) w/ o Heavy head sheave block

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#### 60 m 180 t 62 t (OPT.) w/ o Heavy head sheave block

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## Luffing Jib Capacities

**72 m** | **180 t** | **62 t** (OPT.) w/o Heavy head sheave block

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1. Capacities included in these charts are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions.

2. Capacities are in metric tons, and are rated in accordance with European EN13 000 Standards in terms of machine stability and structural strength limitations. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.

3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, and operating speeds. Operator must reduce load ratings to take such conditions into account. Deduction from rated capacities must be made for weight of hook block, weighted ball/hook, sling, spreader bar, or other suspended gear.

4. The maximum rated load of the auxiliary sheave is the value remaining after the 1.3 ton mass of the auxiliary sheave and the mass of the "Luffing Jib Hook" attached to the "Luffing Jib Capacities." However, the maximum rated load of the auxiliary sheave is limited to 30 tons. The operating range of the auxiliary sheave is the range that has the maximum rated load of the luffing jib hook.

5. If the auxiliary sheave is attached, the maximum rated load of the "Luffing Jib Hook" is the value remaining after the 1.3 ton mass of the auxiliary sheave and the mass of the auxiliary hook attached to the auxiliary sheave are deducted from the maximum rated load of the "Luffing Jib Capacities."

6. If the heavy head sheave block is attached, the maximum rated load of the "Luffing Jib Hook" is the value remaining after the 3.0 ton mass of the heavy head sheave block and the mass of the "Luffing Boom Hook" attached to the heavy head sheave block are deducted from the "Luffing Jib Maximum Rated Load" value.

7. The "working radius" is the horizontal distance from the slewing center to the center of gravity of a lifted load.

8. Luffing Boom and Luffing Jib tilt angle ranges are according to the working range diagram.

9. The chart below shows the number of reeled lines and the maximum rated loads. (When the wire rope length is 800 m.)

10. The chart below shows the operable windings based on the length of each boom.

### Hook Capacity (ton) / Jib Length (m)

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<th>24</th>
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<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
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</thead>
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<td>260</td>
<td>150</td>
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<td>15</td>
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### Tower Length (m)

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### Tower Length (m)

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<td>Hook Capacity (ton) / Jib Length (m)</td>
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<tr>
<td>Max.</td>
<td>7 x 2 6 x 2</td>
<td>11 10 9</td>
<td>11 10 9</td>
<td>5 5 5 5 5</td>
<td>2 2 2 2 2</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Min.</td>
<td>5 x 2 5 x 2</td>
<td>11 10 9</td>
<td>11 10 9</td>
<td>5 5 5 5 5</td>
<td>2 2 2 2 2</td>
<td></td>
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</tbody>
</table>

### Tower Length (m)

<table>
<thead>
<tr>
<th>Tower 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>Hook Capacity (ton) / Jib Length (m)</td>
<td>320</td>
<td>280</td>
<td>160</td>
<td>150</td>
<td>65</td>
<td>15</td>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max.</td>
<td>7 x 2 6 x 2</td>
<td>11 10 9</td>
<td>11 10 9</td>
<td>5 5 5 5 5</td>
<td>2 2 2 2 2</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Min.</td>
<td>5 x 2 5 x 2</td>
<td>11 10 9</td>
<td>11 10 9</td>
<td>5 5 5 5 5</td>
<td>2 2 2 2 2</td>
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</tbody>
</table>

### Tower Length (m)

<table>
<thead>
<tr>
<th>Tower Length (m)</th>
<th>36</th>
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<th>54</th>
<th>60</th>
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</tr>
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<tbody>
<tr>
<td>Hook Capacity (ton) / Jib Length (m)</td>
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<td>280</td>
<td>160</td>
<td>150</td>
<td>65</td>
<td>15</td>
</tr>
<tr>
<td>Max.</td>
<td>7 x 2 6 x 2</td>
<td>11 10 9</td>
<td>11 10 9</td>
<td>5 5 5 5 5</td>
<td>2 2 2 2 2</td>
<td></td>
</tr>
<tr>
<td>Min.</td>
<td>5 x 2 5 x 2</td>
<td>11 10 9</td>
<td>11 10 9</td>
<td>5 5 5 5 5</td>
<td>2 2 2 2 2</td>
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</tr>
</tbody>
</table>

※: With auxiliary weights / Without auxiliary weights
## Notes

### Luffing Tower 6000SLX

<table>
<thead>
<tr>
<th>Tower Length (m)</th>
<th>Hook Capacity (ton) / Jib Length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>30 36 42 48 54 60 66 72</td>
</tr>
<tr>
<td>320 Double-Reeling</td>
<td>Max. 8 x 2 5 x 2 5 x 2 - - - - -</td>
</tr>
<tr>
<td>280 Single-Reeling</td>
<td>Max. 10 9 8 8 7 6 - - - - -</td>
</tr>
<tr>
<td>160 Single-Reeling</td>
<td>Max. 10 9 8 8 7 6 5 5 - -</td>
</tr>
<tr>
<td>65 Single-Reeling</td>
<td>Max. 5 5 5 5 5 5 5 4 4</td>
</tr>
<tr>
<td>15 Single-Reeling</td>
<td>- - - - - - - - -</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tower Length (m)</th>
<th>Hook Capacity (ton) / Jib Length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>30 36 42 48 54 60 66 72</td>
</tr>
<tr>
<td>320 Double-Reeling</td>
<td>Max. 8 x 2 5 x 2 5 x 2 - - - - -</td>
</tr>
<tr>
<td>280 Single-Reeling</td>
<td>Max. 10 9 8 8 7 6 - - - - -</td>
</tr>
<tr>
<td>160 Single-Reeling</td>
<td>Max. 10 9 8 8 7 6 5 5 - -</td>
</tr>
<tr>
<td>65 Single-Reeling</td>
<td>Max. 5 5 5 5 5 5 5 4 4</td>
</tr>
<tr>
<td>15 Single-Reeling</td>
<td>- - - - - - - - -</td>
</tr>
</tbody>
</table>

11. If the total mass of the hook mass and the mass of all rigging components is lighter than the mass indicated on this chart, the hook may not lower even when a lowering operation is performed. Please select a hook that can be lowered based on the boom length and number of windings.
<table>
<thead>
<tr>
<th>Description</th>
<th>Q'ty</th>
<th>Dimensions (mm)</th>
<th>Mass (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superstructure with: Live mast Hoist rope Lower jacks W/o upper jack</td>
<td>1</td>
<td><img src="https://via.placeholder.com/150" alt="Diag" /></td>
<td>62 100</td>
</tr>
<tr>
<td>Superstructure with: Live mast Hoist rope Lower jacks Quick connection W/o upper jack</td>
<td>1</td>
<td><img src="https://via.placeholder.com/150" alt="Diag" /></td>
<td>66 200</td>
</tr>
<tr>
<td>Superstructure with: Live mast Hoist rope Quick connection W/o upper jack</td>
<td>1</td>
<td><img src="https://via.placeholder.com/150" alt="Diag" /></td>
<td>45 000</td>
</tr>
<tr>
<td>Front frame</td>
<td>1</td>
<td><img src="https://via.placeholder.com/150" alt="Diag" /></td>
<td>30 800</td>
</tr>
<tr>
<td>Rear frame</td>
<td>1</td>
<td><img src="https://via.placeholder.com/150" alt="Diag" /></td>
<td>15 300</td>
</tr>
<tr>
<td>Lower frame</td>
<td>1</td>
<td><img src="https://via.placeholder.com/150" alt="Diag" /></td>
<td>21 200</td>
</tr>
<tr>
<td>Side frame *( ) : Option One side</td>
<td></td>
<td><img src="https://via.placeholder.com/150" alt="Diag" /></td>
<td>33 200 (38 300)</td>
</tr>
</tbody>
</table>
# Counterweights

<table>
<thead>
<tr>
<th>Description</th>
<th>Q'ty</th>
<th>Dimensions (mm)</th>
<th>Mass (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base counterweight</td>
<td>1</td>
<td></td>
<td>20 000</td>
</tr>
<tr>
<td>Counterweight (Std.)</td>
<td>14</td>
<td></td>
<td>10 000</td>
</tr>
<tr>
<td>Counterweight (Opt.)</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower counterweight (Std.)</td>
<td>2</td>
<td></td>
<td>25 000</td>
</tr>
<tr>
<td>Lower counterweight (Opt.)</td>
<td>2</td>
<td></td>
<td>31 000</td>
</tr>
</tbody>
</table>
## Attachments

<table>
<thead>
<tr>
<th>Description</th>
<th>Q'ty</th>
<th>Dimensions (mm)</th>
<th>Mass (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HB 9.5&lt;br&gt;Boom base section&lt;br&gt;With W1 (main hoist), W2 (main / auxiliary hoist), W4 (luffing jib hoist) winches</td>
<td>1</td>
<td><img src="image" alt="HB 9.5 Diagram" /></td>
<td>26 900</td>
</tr>
<tr>
<td>H6A&lt;br&gt;Heavy duty boom extension A&lt;br&gt;With connecting pin&lt;br&gt;With pendants</td>
<td>1</td>
<td><img src="image" alt="H6A Diagram" /></td>
<td>3 700</td>
</tr>
<tr>
<td>H12A&lt;br&gt;Heavy duty boom extension A&lt;br&gt;With connecting pin&lt;br&gt;With pendants</td>
<td>1</td>
<td><img src="image" alt="H12A Diagram" /></td>
<td>6 600</td>
</tr>
<tr>
<td>H12B&lt;br&gt;Heavy duty boom extension B&lt;br&gt;With connecting pin&lt;br&gt;With pendants</td>
<td>1</td>
<td><img src="image" alt="H12B Diagram" /></td>
<td>6 600</td>
</tr>
<tr>
<td>H12C&lt;br&gt;Heavy duty boom extension C&lt;br&gt;With connecting pin&lt;br&gt;With pendants</td>
<td>1</td>
<td><img src="image" alt="H12C Diagram" /></td>
<td>7 500</td>
</tr>
<tr>
<td>HL12B&lt;br&gt;Heavy duty boom light extension B&lt;br&gt;With connecting pin&lt;br&gt;With pendants</td>
<td>3</td>
<td><img src="image" alt="HL12B Diagram" /></td>
<td>6 000</td>
</tr>
<tr>
<td>Description</td>
<td>Q'ty</td>
<td>Dimensions (mm)</td>
<td>Mass (kg)</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>------</td>
<td>-----------------</td>
<td>-----------</td>
</tr>
<tr>
<td>HR7 Tapered extension</td>
<td>1</td>
<td><img src="HR7.png" alt="Image" /></td>
<td>4 500</td>
</tr>
<tr>
<td>With connecting pin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With pendants</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L6A Long range boom extension A</td>
<td>1</td>
<td><img src="L6A.png" alt="Image" /></td>
<td>2 100</td>
</tr>
<tr>
<td>With connecting pin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With pendants</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L12A Long range boom extension A</td>
<td>1</td>
<td><img src="L12A.png" alt="Image" /></td>
<td>3 700</td>
</tr>
<tr>
<td>With connecting pin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With pendants</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L12B Long range boom extension B</td>
<td>1</td>
<td><img src="L12B.png" alt="Image" /></td>
<td>3 900</td>
</tr>
<tr>
<td>With connecting pin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With pendants</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LL12A Long range boom light extension A</td>
<td>2</td>
<td><img src="LL12A.png" alt="Image" /></td>
<td>3 400</td>
</tr>
<tr>
<td>With connecting pin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With pendants</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
# Transport Data

## 6000SLX

### Attachments

<table>
<thead>
<tr>
<th>Description</th>
<th>Q'ty</th>
<th>Dimensions (mm)</th>
<th>Mass (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HT1.5</strong>&lt;br&gt;Heavy duty boom head</td>
<td>1</td>
<td>Width 2 520</td>
<td>7 700 (w / sheave block)</td>
</tr>
<tr>
<td><strong>LT7.5</strong>&lt;br&gt;Long range boom head</td>
<td>1</td>
<td>Width 2 990</td>
<td>5 000</td>
</tr>
<tr>
<td><strong>LB4.5+LB6</strong>&lt;br&gt;Luffing jib base</td>
<td>1</td>
<td>Width 2 520</td>
<td>3 800</td>
</tr>
<tr>
<td><strong>Front post</strong>&lt;br&gt;Rear post</td>
<td>1</td>
<td>Width 2 740</td>
<td>10 200 (F: 4 500, R: 5 700)</td>
</tr>
<tr>
<td>Auxiliary tip extension for heavy duty boom head</td>
<td>1</td>
<td></td>
<td>1 000</td>
</tr>
<tr>
<td>Auxiliary tip extension for long range boom head</td>
<td>1</td>
<td></td>
<td>1 000</td>
</tr>
</tbody>
</table>
Hook blocks

<table>
<thead>
<tr>
<th>Description</th>
<th>Q'ty</th>
<th>Dimensions (mm)</th>
<th>Mass (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>550 t hook with equalizer sheave block</td>
<td>1</td>
<td></td>
<td>12 500</td>
</tr>
<tr>
<td>Equalizer sheave block for 550 t hook</td>
<td>1</td>
<td></td>
<td>5 440</td>
</tr>
<tr>
<td>280 t hook</td>
<td>1</td>
<td></td>
<td>7 060</td>
</tr>
<tr>
<td>320 t hook with equalizer sheave block</td>
<td>1</td>
<td></td>
<td>7 850</td>
</tr>
</tbody>
</table>
## Hook blocks

<table>
<thead>
<tr>
<th>Description</th>
<th>Q'ty</th>
<th>Dimensions (mm)</th>
<th>Mass (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equalizer sheave block for 320 t hook</td>
<td>1</td>
<td></td>
<td>3 960</td>
</tr>
<tr>
<td>160 t hook</td>
<td>1</td>
<td></td>
<td>3 890</td>
</tr>
<tr>
<td>65 t hook</td>
<td>1</td>
<td></td>
<td>3 000/2 000</td>
</tr>
<tr>
<td>15 t hook</td>
<td>1</td>
<td></td>
<td>950</td>
</tr>
</tbody>
</table>

※: With auxiliary weights / Without auxiliary weights
## Standard Equipment

### Undercarriage
- 1220 mm wide track shoes
- Side frame removal device
- Auto-greasers (for upper and lower track rollers)
- Lower jack-up device
- Floats (Pontoon)
- Drive tumbler tension adjusting devices
- Steps
- Level gauge

### Superstructure
- The engine meets Stage / Tier 3 of current smoke emission regulations in Europe, America and Japan.
- Live mast assy. (include sheaves and links)
- Live mast flip cylinders
- Load hoist drums (W1 and W2)
- Boom hoist drum (W3)
- Auto-greasers (for T.T.B.)
- Engine room under-cover
- Two 70W working lights
- Rear view mirror (Right side)
- Ladder (Left and Right side)
- Std. spare parts and tools

### Counterweights
- 160 t counterweights; 10t counterweight X 14 pcs. with base counterweight.
- 50 t lower counterweight

### Cabin
- 1200 mm wide, full-vision operator’s cab
- Cab swing device
- Cab tilt device (0-15°)
- Cab sidestep
- Joystick lever (for slewing and boom hoist drum)
- Armchair control lever (for load hoist and jib hoist drums)
- Drum indicator (Load hoist and Boom hoist drum)
- Speed control device (Load hoist, Boom hoist and Slewing)
- Foot throttle
- Slewing brake pedal
- 24 V electric outlet
- A reinforced light green-tinted safety glass
- Cab under-cover
- Air-conditioner
- Dual intermittent window shield wipers with washers
- Sunshade
- Sunvisor
- AM / FM Radio w / clock
- Cab floor mat
- Cigar lighter
- Ashtray
- Cup Holder
- Room light
- Level gauge

### Safety Device
- Load Moment Indicator
- Control lever position check monitor
- Front-end att. erection mode
- Lock lever: Fool proof shut-off system
- Automatic drum pawl locks (W1, W2, W3, W4)
- Control lever locks
- Speed slowdown device
- Emergency engine stop switch
- Hydraulic cylinder type Boom backstops
- Boom over-hoist and -lowering limiting device
- Dual boom over-hoist limiting device (Back stop limit switch)
- Hook over-hoist limiting device
- Non-drum brake preventing device
- Slewing brake safety circuit
- Slewing brake lamp
- Slewing alarm
- Travel alarm
- Lifting height meter

### Lifecrane Attachment
- 24 m heavy duty basic boom
- Hydraulic cylinder type boom backstops
- Hook over-hoist limiting device
- Right boom extension assembling plate
- Boom angle indicator

### Luffing Attachment
- 24 m heavy duty basic boom
- 24 m basic luffing jib
- W4(luffing jib hoist) winch and wire rope
- Hydraulic cylinder type boom backstops
- Luffing jib backstops
- Hook over-hoist limiting device
- Luffing jib over-hoist and -lowering limiting device
- Dual luffing jib over-hoist limiting device
- Right boom extension assembling plate
## Optional Equipment

<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
<th>Std. or Opt.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Liftcrane</td>
</tr>
<tr>
<td></td>
<td></td>
<td>H-Boom</td>
</tr>
<tr>
<td><strong>Undercarriage</strong></td>
<td>Side Jacks <em>(Main boom self erection required for longer than 84 m)</em></td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>1,220 mm wide shoes</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>1,524 mm wide shoes</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Track shoe lifting tools</td>
<td>●</td>
</tr>
<tr>
<td><strong>Superstructure</strong></td>
<td>Manually operated T.T.B. quick disconnect device</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Hydraulically operated T.T.B. quick disconnect device</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Split upper frame and quick disconnect device</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Upper jacks-up device</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Live mast self assembly cylinder <em>(quick draw cylinder)</em></td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Top of house guardrope system <em>(w/o guardrail)</em></td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Rear view mirror <em>(Left side)</em></td>
<td>●</td>
</tr>
<tr>
<td><strong>Counterweight</strong></td>
<td>160 t counterweight</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>50 t lower counterweight</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>180 t counterweight</td>
<td>●</td>
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<tr>
<td></td>
<td>62 t lower counterweight</td>
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<tr>
<td></td>
<td>Ladder for lower counterweight</td>
<td>○</td>
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<tr>
<td></td>
<td>Two ladders for left and right side counterweight</td>
<td>●</td>
</tr>
<tr>
<td><strong>Operator cab</strong></td>
<td>Air-conditioner</td>
<td>○</td>
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<td></td>
<td>Electric cab fan</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Microphone and loud-speaker</td>
<td>●</td>
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<tr>
<td></td>
<td>Fire extinguisher</td>
<td>●</td>
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<tr>
<td><strong>Safety device</strong></td>
<td>Three color percentage indicator</td>
<td>●</td>
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<tr>
<td></td>
<td>Anemometer</td>
<td>○</td>
</tr>
<tr>
<td><strong>Front attachment</strong></td>
<td>Heavy duty basic boom</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Long range basic boom</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>24 m basic luffing jib</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Jib hoist winch <em>(W4)</em></td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Front post</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Rear post</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Hyd. cylinder type rear post backstops</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Roller support for luffing jib head</td>
<td>-</td>
</tr>
</tbody>
</table>
## Optional Equipment

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<thead>
<tr>
<th>Location</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Liftcrane</td>
</tr>
<tr>
<td></td>
<td></td>
<td>H-Boom</td>
</tr>
<tr>
<td>Front attachment</td>
<td>Hook blocks and Boom extensions</td>
<td>✔</td>
</tr>
<tr>
<td>550 t hook block</td>
<td>[280 t hook block + equalizer sheave block (10 sheaves)]</td>
<td>✔</td>
</tr>
<tr>
<td>280 t hook block</td>
<td>(10 sheaves)</td>
<td>✔</td>
</tr>
<tr>
<td>320 t hook block</td>
<td>[160 t hook block + equalizer sheave block (8 sheaves)]</td>
<td>✔</td>
</tr>
<tr>
<td>160 t hook block</td>
<td>(5 sheaves)</td>
<td>✔</td>
</tr>
<tr>
<td>65 t hook block</td>
<td>(2 sheaves)</td>
<td>✔</td>
</tr>
<tr>
<td>15 t hook block</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>6 m Heavy boom extension</td>
<td>(H6A)</td>
<td>✔</td>
</tr>
<tr>
<td>12 m Heavy boom extension</td>
<td>(H12A)</td>
<td>✔</td>
</tr>
<tr>
<td>12 m Heavy boom extension</td>
<td>(H12B)</td>
<td>✔</td>
</tr>
<tr>
<td>12 m Heavy boom extension</td>
<td>(H12C)</td>
<td>✔</td>
</tr>
<tr>
<td>12 m Heavy boom extension</td>
<td>(HL12B)</td>
<td>✔</td>
</tr>
<tr>
<td>6 m Long range boom extension</td>
<td>(L6A)</td>
<td>-</td>
</tr>
<tr>
<td>12 m Long range boom extension</td>
<td>(L12A)</td>
<td>-</td>
</tr>
<tr>
<td>12 m Long range boom extension</td>
<td>(L12B)</td>
<td>-</td>
</tr>
<tr>
<td>12 m Long range boom extension</td>
<td>(LL12A)</td>
<td>-</td>
</tr>
<tr>
<td>Boom</td>
<td>Sky walk</td>
<td>✔</td>
</tr>
<tr>
<td>Stanchion</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Midpoint support</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Nesting device</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>Aux. sheave (2 sheaves) for</td>
<td>Heavy duty boom top</td>
<td>✔</td>
</tr>
<tr>
<td>Boom</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Aux. sheave (1 sheave) for</td>
<td>Long range boom top</td>
<td>-</td>
</tr>
<tr>
<td>Boom</td>
<td>7.6 m heavy duty tip extension</td>
<td>✔</td>
</tr>
<tr>
<td>Boom</td>
<td>Rope pendants</td>
<td>✔</td>
</tr>
<tr>
<td>Front post</td>
<td>Bar pendants</td>
<td>✔</td>
</tr>
<tr>
<td>Rear post</td>
<td>Rope pendants</td>
<td>✔</td>
</tr>
<tr>
<td>Others</td>
<td>Bar pendants</td>
<td>✔</td>
</tr>
<tr>
<td>Reeving winch</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Mirror for reeving winch</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Portable engine-hydraulic power</td>
<td>pack</td>
<td>✔</td>
</tr>
<tr>
<td>Two sets for boom / jib connect</td>
<td>pin connect / disconnect cylinder ; handy type</td>
<td>✔</td>
</tr>
<tr>
<td>Rope / bar pendant holding</td>
<td>brackets</td>
<td>✔</td>
</tr>
<tr>
<td>Assembling / disassembling</td>
<td>wires and parts (for counterweights &amp; clawers)</td>
<td>✔</td>
</tr>
</tbody>
</table>
• 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.