### Main Specifications

<table>
<thead>
<tr>
<th></th>
<th>Crawler Crane</th>
<th>Luffing Tower</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. lifting capacity</td>
<td>200 x 4.5</td>
<td>160 x 6.0</td>
</tr>
<tr>
<td></td>
<td>37.5 x 14.4</td>
<td>25 x 14.0</td>
</tr>
<tr>
<td>Boom (Tower) length</td>
<td>15.2 to 73.2</td>
<td>18.3 to 76.2</td>
</tr>
<tr>
<td></td>
<td>70.1 to 89.4</td>
<td>36.6 to 59.0</td>
</tr>
<tr>
<td>Tower jib length</td>
<td>-</td>
<td>27.4 to 48.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>56.0 to 49.8</td>
</tr>
<tr>
<td>Line speed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Main hoist</td>
<td>110 to 3</td>
<td>(first layer)</td>
</tr>
<tr>
<td>Aux. hoist</td>
<td>110 to 3</td>
<td>(first layer)</td>
</tr>
<tr>
<td>Tower jib hoist</td>
<td>-</td>
<td>30 to 3</td>
</tr>
<tr>
<td>Boom (Tower) hoist</td>
<td>52 to 2</td>
<td>(first layer)</td>
</tr>
<tr>
<td>Swinging speed</td>
<td>2.1 (2.5)</td>
<td></td>
</tr>
<tr>
<td>Travel speed</td>
<td>1.4 (0.7)</td>
<td></td>
</tr>
<tr>
<td>Operating weight</td>
<td>187.0</td>
<td>162.0</td>
</tr>
<tr>
<td></td>
<td>169.0</td>
<td>175.0</td>
</tr>
<tr>
<td>Ground pressure kPa</td>
<td>110 (1.12)</td>
<td>99 (0.92)</td>
</tr>
<tr>
<td></td>
<td>94 (0.90)</td>
<td>67 (0.99)</td>
</tr>
<tr>
<td>Rated line pull</td>
<td>132 (13,500)</td>
<td>-</td>
</tr>
<tr>
<td>Power plant</td>
<td>Mitsubishi 626H-T01</td>
<td></td>
</tr>
<tr>
<td>Rated power kW/min²</td>
<td>230 (300)</td>
<td>(300)</td>
</tr>
</tbody>
</table>

**Note:** Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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Specifications may vary depending on geographical region. The model shown above is equipped with optional features.
**Configuration & Style of Attachment**

**Crawler Crane**

**Heavy-duty Boom**

Max. Lifting Capacity: 200 metric ton x 4.5 m
Boom Length: 15.2 m to 73.2 m

**Light-duty Boom**

Max. Lifting Capacity: 150 metric ton x 6.0 m
Boom Length: 18.3 m to 76.2 m

**Fixed Jib**

Max. Lifting Capacity: 13.5 metric ton x 38.0 m
Max. Boom Length + Jib Length: 73.2 m + 30.5 m

**Luffing Tower**

Max. Lifting Capacity: 25 metric ton x 14.0 m
Max. Tower Length + Jib Length: 58.0 m + 48.8 m

*Note: The fixed jib and luffing tower illustrations do not show maximum boom or tower and jib lengths.*
**Features**

**Performance**
- Large operating radius permits a long reach from a close-up position.
- Powerful winch with a rated line pull of 12.5 tons (maximum 25 tons, single-line rated line pull of 13.5 tons).
- Wide, large-capacity drums with large single-layer capacity handle high jobs with ease.
- Fast, 110m/min line speed ensures quick hoisting and lowering for excellent operating efficiency even without free fall.
- Separate rear drum permits the raising and lowering of lifting tower jib with the auxiliary winch without resetting the lines.
- Mechatronic ESS system helps prevent engine stalls during simultaneous operations and achieves high fuel efficiency while ensuring full power.
- Travel motors are mounted within the shoe width to prevent damage in rough terrain.
- New-type winch is designed without free fall to prevent the hook from accidentally falling because of operator error.

**Operability**
- Distinctive line-speed control (for main and auxiliary hoist, boom hoist, and raising and lowering the lifting tower jib) makes it easier to move loads horizontally.
- High speed winch that delivers a lowering speed close to free fall.
- Optional drum rotation sensing system permits the operator to "feel" drum rotation through the top of the hoist lever grip.
- Low-speed swing control function permits the machine to swing slowly even at high engine speeds when set in neutral-brake swing mode or neutral-free low-speed swing mode.
- Inching control switch: The lever grips feature an inching control switch for hoist, boom hoist, and travel that the operator can activate without taking his hands off the levers.

**Easy Disassembly and Transport**
- Optional nesting boom design permits the main tower jib to be stored inside the boom to save space when storing or transporting the machine.
- Easy assembly and disassembly: Assembly and disassembly are easy, with thin, stacking counterweight pieces, each can be transported by truck.
- The gantry can be folded, and the insert boom guide rollers can be stored to reduce overall height when the machine is loaded on a trailer for transport.
- Standard features that facilitate assembly and disassembly include: cylinders for inserting and removing the boom foot pins and crawler coupling pins; gantry raising/lowering cylinders; and remote-controlled Trans-Lifter.
- Optional reeving winch makes it easy to pass the line through the sheave during machine assembly.

**Safety**
- Self-elevation without mast: The entire boom is self-supporting without a mast, thanks to lighter construction and the use of mid-point suspension (PATENT pending).
- The boom and guy line are easily connected, and the upper spreader is automatically stored during disassembly. (Pin-connecting is manual.)
- To help ensure safety for assembly/disassembly, the lower connecting pins on the lower boom are tapered on both sides, and the boom is equipped with side steps and an expanded metal grating on the upper face to provide sure footing.
- Swing Cab: The cab can be easily turned toward the front of the machine during transport so that the upper machine fits within a width of 3.2m. This enables the machine with axles to be transported on a trailer.

- The overload prevention device with multifunctional LCD display simultaneously shows the rated overall load and the actual load being lifted.
- The overload prevention device also ensures smooth boom (tower) and lifting tower jib lowering to prevent the load from swaying.
- The height level indicator can show the height of the boom point on the overload prevention device display while simultaneously showing the hook height on the liquid-crystal multi-display monitor.
- Second over-load prevention device: Boom backing is reliably prevented by a second over-load prevention device, which is designed with a double-safety structure that automatically prevents the boom, tower, and tower lifting jib from assuming an excessive angle. (The double-safety structure is for the boom and tower only.)
- Automatic stop (soft stop) function: To prevent the machine from overturning and sustaining other damage because of sudden stops, a special function ensures smooth, soft stops automatically with the tower at 90° regardless of engine speed.
- Tower jib slowing speed control mechanism regulates the speed at which the tower jib is lowered when being stroked against the tower, to prevent accidental collision.
- A counterweight detection device warns the operator when the input ML (Moment Limiter) code does not match the specifcations of the counterweight that is actually on the machine.
- The automatic stop function can be individually released through controls keyed independently to hook overhead, boom overhead, and overload.
Features

Convenient cab layout

1. Overload Prevention Device with ML LCD Display (ML Moment Limiter)
2. Swing Control Lever
3. Acceleration Grip
4. Swing Control Lever
5. Air Conditioner
6. Auxiliary Acceleration (under the seat)
7. Fuse Box
8. Left Prop Control Lever
9. Right Prop Control Lever
10. Function Lock Lever
11. Drum Rotation Speed Control Trim Box
12. Multi Display Monitor
13. Tipping Speed Switch (inside the grip of boom control lever)
14. Boom Hoist Drum Control Lever
15. AUX. Hoist Drum Control Lever
16. Main Hoist Drum Control Lever

- The assembly/disassembly mode temporarily deactivates the overload automatic-stop function so that the hook can be hoisted and the boom lowered by means of switch operation.
- The hoist lever interlock helps to ensure safety during preparatory operations by preventing the drums from responding to accidental lever movement.
- The boom-drum pawl detection device sounds an alarm if the operator forgets to engage the drum locks.
- Tower-angle lock switch: By locking the tower at a set angle, the tower-angle lock switch helps to prevent the tower from being accidentally raised or lowered.
- The service life of the boom hoisting wire rope is extended with the entire sheave at D/d 20 or more.
- Safety devices include: Swing flashes and a warning buzzer alert nearby people that the machine is swinging; near-working lights make it easy to confirm conditions behind the machine during nighttime work; a lever-lock system prevents accidental operation when the operator enters or leaves the cab; and forward-direction markings on the shoe surface make it easy to ascertain the machine's forward direction from the operator's seat.
- Optional equipment includes: Five audible alarms that provide warnings about such functions as machine travel and swing, as well as prior warning before operations are automatically stopped; an external overload indicator light that warns people in the area concerning the condition of the load; and a color camera and TV monitor for monitoring both the area behind the machine and the drums.

Comfort

- The clean-running engine is compliant with stringent exhaust-gas regulations.
- Low-noise machine: Thorough sound-reducing measures meet the latest noise standards, resulting in confirmed classification as a low-noise construction machine (105dB(A)).
- Quiet brake operation: The newly designed winch features non-asbestos brake/clutch linings (not installed) that eliminate environmental contamination while ensuring quiet brake operation.
- Simple, powerful design and coloring blend in well with surroundings.
- The roomy, 940mm-wide cab conforms with ISO standards and is fitted with a well-sealed sliding door.
- The cab is mounted on six viscous cab mounts filled with silicone oil that absorbs vibration and provides a smooth ride.
- A non-CFC air conditioner with fresh air vents is installed as standard equipment.
- The tilt-adjustable upholstered seat allows the operator to maintain an ideal posture for whatever job is at hand.
- Convenient layout: With the levers mounted on side consoles and no brake pedal, the view is kept clear down in front.
- Excellent viability: Extra-strength green glass windows, a fully opening view roof, an upper front window that can be stored on the cab ceiling, and a one-touch removable lower front window all contribute to excellent visibility.
- Intermittent wipers with washers: The upper and lower front windows and view roof feature intermittent wipers with washers.
- Removable foot rests and large mud removing step keep the cab clean and give the operator comfortable posture.
- Other amenities include a digital clock with liquid-crystal display, and a large luggage compartment.

Maintenance

- Multi-display monitor: The ITCS (Intelligent Total Control System) system with liquid-crystal multi-display monitor helps ensure safe operation and features accurate maintenance and monitoring functions.
- Service diagnostic functions (with liquid-crystal multi-display) continually monitor and display the status of the electrical and hydraulic systems and engine.
- Maintenance information functions (with liquid-crystal multi-display) analyze and display information necessary for day-to-day machine operation.
- The self-diagnostic system (with liquid-crystal multi-display) shows the status of the controllers, sensors, and other components of the electrical system.
- Easy maintenance: The engine is mounted on the left side in a layout that facilitates inspection and maintenance.
Transportation

Base Machine and Carbody
35,900 kg
11,500 mm x 2,200 mm x 3,390 mm

Crawlers
23,000 kg
8,000 mm x 1,070 mm x 1,365 mm

Heavy-duty Upper Boom
3,000 kg
8,275 mm x 2,275 mm x 2,125 mm

Lower Boom
2,420 kg
7,945 mm x 2,300 mm x 2,470 mm

Counterweight
Total: 62,200 kg (15,000 kg x 2 + 6,400 kg x 2 + 7,200 kg x 2)
A: 4,400 mm x 605 mm x 1,875 mm
B: 4,400 mm x 530 mm x 1,875 mm
C: 4,400 mm x 530 mm x 1,875 mm
D: 4,400 mm x 530 mm x 1,875 mm
E: 1,130 mm x 630 mm x 1,835 mm
F (F'): 1,339 mm x 660 mm x 1,819 mm

Other Attachment

<table>
<thead>
<tr>
<th>Attachment</th>
<th>Weight</th>
<th>Dimensions (L x W x H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0 m (10 ft) Insert Boom</td>
<td>510 kg</td>
<td>3,175 mm x 2,275 mm x 2,125 mm</td>
</tr>
<tr>
<td>6.1 m (20 ft) Insert Boom</td>
<td>1,000 kg</td>
<td>6,225 mm x 2,275 mm x 2,125 mm</td>
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<tr>
<td>9.1 m (30 ft) Insert Boom</td>
<td>1,450 kg</td>
<td>9,250 mm x 2,275 mm x 2,125 mm</td>
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<tr>
<td>9.1 m Insert Tower</td>
<td>1,750 kg</td>
<td>9,270 mm x 2,275 mm x 2,125 mm</td>
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<tr>
<td>Light-duty Boom Tip</td>
<td>2,100 kg</td>
<td>5,725 mm x 2,275 mm x 2,125 mm</td>
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<tr>
<td>5.4 (13 ft) Insert Tippered Boom</td>
<td>2,400 kg</td>
<td>8,275 mm x 2,275 mm x 2,125 mm</td>
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<tr>
<td>Upper Tower Jib Tip (Long Jib Tip)</td>
<td>900 kg</td>
<td>8,110 mm x 1,925 mm x 1,925 mm</td>
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<tr>
<td>Tower Jib</td>
<td>2,100 kg</td>
<td>7,200 mm x 2,200 mm x 2,075 mm</td>
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<tr>
<td>Tower Jib Base</td>
<td>1,900 kg</td>
<td>10,320 mm x 2,325 mm x 1,925 mm</td>
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<tr>
<td>3.0 (10 ft) Midpoint Jib</td>
<td>300 kg</td>
<td>3,150 mm x 1,925 mm x 1,925 mm</td>
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<td>6.1 m (20 ft) Insert Tower Jib</td>
<td>320 kg</td>
<td>3,150 mm x 1,925 mm x 1,925 mm</td>
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<tr>
<td>9.1 m (30 ft) Insert Tower Jib</td>
<td>320 kg</td>
<td>6,210 mm x 1,925 mm x 1,925 mm</td>
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<tr>
<td>9.1 m (30 ft) Insert Tower Jib</td>
<td>725 kg</td>
<td>9,250 mm x 1,925 mm x 1,925 mm</td>
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<td>Gantry</td>
<td>2,500 kg</td>
<td>6,110 mm x 1,790 mm x 2,125 mm</td>
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<tr>
<td>Tower Jib</td>
<td>2,000 kg</td>
<td>7,410 mm x 2,300 mm x 1,125 mm</td>
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<tr>
<td>Upper Spreader</td>
<td>635 kg</td>
<td>805 mm x 2,200 mm x 1,125 mm</td>
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<tr>
<td>Lower Spreader</td>
<td>435 kg</td>
<td>805 mm x 1,500 mm x 1,500 mm</td>
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<tr>
<td>Upper Spreader for Tower Jib</td>
<td>320 kg</td>
<td>1,200 mm x 2,450 mm x 2,450 mm</td>
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<tr>
<td>Lower Spreader for Tower Jib</td>
<td>420 kg</td>
<td>2,275 mm x 436 mm x 2,125 mm</td>
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<tr>
<td>200-ton Hook Block</td>
<td>2,800 kg</td>
<td>870 mm x 1,975 mm x 2,275 mm</td>
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<tr>
<td>180-ton Hook Block</td>
<td>2,300 kg</td>
<td>700 mm x 1,125 mm x 2,275 mm</td>
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<td>110-ton Hook Block</td>
<td>1,800 kg</td>
<td>700 mm x 805 mm x 2,075 mm</td>
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<td>65-ton Hook Block</td>
<td>1,200 kg</td>
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<td>30-ton Hook Block</td>
<td>900 kg</td>
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<tr>
<td>13.5-ton Ball Hook</td>
<td>450 kg</td>
<td>1,200 mm x 380 mm x 380 mm</td>
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</table>

General Dimensions

Carbody weight
10,500 kg
2,400 mm x 1,390 mm x 945 mm

Unit mm