BUCKET CAPACITY:
BACKHOE (SAE HEAPED 1:1): 22 m³ (28.8 cu. yd.)
SHOVEL (SAE HEAPED 2:1): 21 - 23 m³ (27.5 - 30.1 cu. yd.)

OPERATING WEIGHT:
BACKHOE: 359,000 kg (791,460 lb.)
SHOVEL: 362,000 kg (798,073 lb.)

RATED POWER:
1,450 kW (1,944 hp)
It’s no coincidence that over one-third of all hydraulic mining excavators working across the world are Hitachi. All of our excavators, like the EX3600-6, are engineered to give you efficiency, reliability and durability for all kinds of jobs. You get strong horsepower, efficient engines, comfortable cabs, advanced hydraulics, tough frames, powerful arm- and bucket-digging forces and more. When you choose the EX3600-6, you get a...
### Productivity

#### Bucket Passes to Dump Trucks

<table>
<thead>
<tr>
<th>Truck</th>
<th>Nominal Payload</th>
<th>Bucket Capacity</th>
<th>Passes to Fill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shovel</td>
<td>EH3500AC-3</td>
<td>181 tonnes (200 tons)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>21-m³ (27.5 cu. yd.) Bucket</td>
<td></td>
</tr>
<tr>
<td>Backhoe</td>
<td>EH3500AC-3</td>
<td>181 tonnes (200 tons)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>22-m³ (28.8 cu. yd.) Bucket</td>
<td></td>
</tr>
<tr>
<td>Shovel</td>
<td>EH4000AC-3</td>
<td>221 tonnes (243.6 tons)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>21-m³ (27.5 cu. yd.) Bucket</td>
<td></td>
</tr>
<tr>
<td>Backhoe</td>
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<tr>
<td></td>
<td></td>
<td>22-m³ (28.8 cu. yd.) Bucket</td>
<td></td>
</tr>
</tbody>
</table>
MAXIMUM PRODUCTIVITY, RELIABLE PERFORMANCE.

The EX3600-6 is built to tackle your tough jobs. A fuel-efficient, Cummins QSKTA60-CE engine provides powerful performance with an Engine-Pump Control (E-P Control) system that efficiently adjusts power to your load demand. The advanced hydraulic system tops the industry for smooth, efficient combined operations of the front attachment and swing, delivering quick cycle times. This system, combined with the Hitachi-patented auto-leveling mechanism and large bucket capacities, contributes to efficient production. The EX3600-6 pairs well with the EH3500-AC3 and EH4000AC-3 trucks and is available in a backhoe or front-shovel configuration. Add the EX3600-6 to your fleet, and you get...

WORK ANYWHERE, ANYTIME.

- **Powerful Engine.**
  A Cummins QSKTA60-CE diesel engine meets U.S. EPA Tier 2 emission regulations.

- **Efficient E-P Control.**
  The computer-aided Engine-Pump Control (E-P Control) system senses load demand and adjusts power to the work being performed.

- **Large, Efficient Bucket.**
  The large bucket is shaped specifically to enhance digging and loading operations. Its sharp tilt angle helps boost operating efficiency by allowing the operator better use of the bucket digging forces, and after digging, keeping more of the material in the bucket while loading the haul truck.

- **Auto-Level Mechanism.**
  An exclusive Hitachi feature available on front shovel attachments, the one-lever leveling control boosts productivity through efficient operation of the bucket through the dig cycle.

MAJOR PRODUCTION.
The EX3600-6 is designed and built with strength you can count on. Toughness is built-in with the rigid box design and integrated cast steel structures into the center track frame. High-mounted travel motors are guarded against rock damage, and strategically positioned oil coolers are designed to give you more uptime. Add it all up, and the EX3600-6 gives you...

- The rigid box design resists bending and twisting forces, giving you stability and strength on any job.
- High-mounted compact travel motors are protected from rock damage. Optional travel motor guards provide an even higher level of protection from damage.
- The cast steel structures, integrated into the center track frame, assist in avoiding stress concentration and increase reliability.
- Rugged track links include roller guides to help extend service life.
Four oil coolers are strategically positioned far from the engine radiator for even better cooling potential.

With constant correct track tension, travel is automatically stopped if the nitrogen gas accumulator pressure exceeds a preset level. Alert information and countermeasures are indicated on the multi-display LCD monitor.
The 6.83-meter (22.4 ft.) high, forward-sloping cab provides a clear view of the work site – even when loading trucks.

The sturdy cab protects operators from falling objects. The cab’s top guard meets OPG Level II (ISO) standards. The entire cab sits on a package of fluid-filled elastic mounts that absorb vibration for a more comfortable ride.

The well-insulated, pressurized cab keeps out dust and is air conditioned.

The air suspension, multi-position seat can be customized to the operator’s needs and adjusted according to operator weight.
The EX3600-6 cab is designed to keep operators as comfortable, efficient and productive as possible. The well-insulated, pressurized cab keeps dust out while maintaining a comfortable temperature thanks to a highly efficient heating/air conditioning system. Operators of all sizes have plenty of legroom and storage space with the cab’s ergonomic design, which helps operators stay productive even on long work shifts. With the EX3600-6, you get...

**COMFORT BUILT IN.**

**DOWNTIME TOSSED OUT.**

**EFFICIENT AND SAFE CAB.**

The multi-display, color LCD monitor provides machine data, operating status and alerts at a glance. The monitor can be preset to indicate replacement intervals for engine oil, hydraulic oil and filters.

Electric joystick control levers provide precise and almost effortless operation.

Four optional outside cameras can be mounted around the machine for enhanced visibility and help eliminate blind spots.
MINING EXCAVATOR

EX3600-6

MINIMIZED MAINTENANCE.
MAXIMIZED PERFORMANCE.

When it comes to maintenance, the EX3600-6 provides big advantages. The simple servicing, inspection and cleaning of the EX3600-6 reduces costs and allows you to focus on finishing jobs. This excavator features easy-to-check sight gauges and fluid reservoirs, quick-change remote-mounted filters, advanced self-diagnostics and extended filter replacement intervals. When you’re operating an EX3600-6, you get...

- Folding stairs with wide steps allow for easy accessibility, servicing and maintenance.
- The centralized filter system makes inspection and maintenance quicker and more convenient.
- A contamination sensor alerts the operator before it’s too late of accumulated contaminants in the oil that could cause damage.
- A walkway around the entire counterweight provides easy access to rear areas for faster, safer inspections and maintenance.

HIGHER UPTIME.

LOWER OPERATING COSTS.
An ejector automatically expels dust from the air cleaner, giving you one less maintenance task.

[An image of an excavator]

Located at the center of the machine, a wide-open service area gives you access to the engine as well as hydraulic and electrical systems.

The compartment floor slides down to lower a grease drum can for quick replacement.

The auto-lubrication system for the front joint pins and swing circle saves you time.
WHAT YOU NEED, WHEN YOU NEED IT.

QUICK SUPPORT. NO HASSLE.

At Hitachi, we specialize in excavators and trucks. So you can count on us to respond rapidly when you need support. You’ll get the parts you need, the service you want and the customer support you deserve. We stand behind you with a strong dealer network; a skilled factory support team; trained mechanics; and one of the best, most comprehensive warranty and maintenance programs available. We focus on supporting you and...

YOUR BOTTOM LINE.

Remote Machine Management with Global e-Service.

This online machine management system allows you to access each on-site machine from a PC in your office. You can get its operating information and location to increase productivity. Operating data and log are sent to a Hitachi server for processing, and then to customer and dealers. This system is available 24/7/365.

Note: In some regions, the Satellite Communication Device is not available by local regulations; the GPRS (mobile) communication device is an option for these regions.

* DTU (Data Transfer Unit) (optional) is required for connection to fleet management systems.
** WIU (Wireless Interface Unit) transmits operating data via wireless connection for downloading data.
**MINING EXCAVATOR**

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### EX3600-6 SPECS

<table>
<thead>
<tr>
<th>Diesel Engine EX3600-6</th>
<th>Electric Motor EX3600E-6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manufacturer and Model</strong></td>
<td>Cummins QSXTA60-CE</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>4 cycle</td>
</tr>
<tr>
<td><strong>Aspiration</strong></td>
<td>Water-cooled, 16-cylinder, turbocharged and aftercooled, direct-injection chamber-type diesel engine</td>
</tr>
<tr>
<td><strong>Emission certification</strong></td>
<td>U.S. EPA Tier 2</td>
</tr>
<tr>
<td><strong>Rating</strong></td>
<td>1200 kW</td>
</tr>
<tr>
<td><strong>Rated continuous output</strong></td>
<td>1200 kW</td>
</tr>
<tr>
<td><strong>Gross (SAE J1995)</strong></td>
<td>1450 kW (1,944 hp) @ 1800 min⁻¹ (rpm)</td>
</tr>
<tr>
<td><strong>Net</strong></td>
<td>1450 kW (1,944 hp) @ 1800 min⁻¹ (rpm)</td>
</tr>
<tr>
<td><strong>Maximum torque</strong></td>
<td>8364 Nm (853 kgf-m) @ 1500 min⁻¹ (rpm)</td>
</tr>
<tr>
<td><strong>Piston displacement</strong></td>
<td>60 L (3,661 cu. in.)</td>
</tr>
<tr>
<td><strong>Bore and stroke</strong></td>
<td>159 mm x 190 mm (6.3 in. x 7.5 in.)</td>
</tr>
<tr>
<td><strong>Starting system</strong></td>
<td>24 V electric motor</td>
</tr>
<tr>
<td><strong>Batteries</strong></td>
<td>4 x 12 V, 4 x 220 AH</td>
</tr>
<tr>
<td><strong>Cold starting</strong></td>
<td>Ether aided</td>
</tr>
</tbody>
</table>

### Hydraulic System

Hitachi’s ETS (Electronic Total control System) can achieve maximum job efficiency by reducing fuel consumption and noise levels, while maximizing productivity through the optimization of engine-pump functions with excellent controllability increasing operator comfort.

**Computer-Aided Engine-Pump Control System (E-P Control)**

Main pumps regulated by electric engine speed sensing control system.

**Optimum Hydraulic System (OHS)**

Four tandem-axial piston pump groups (eight pumps in total), supply a four-valve hydraulic system enabling both independent and combined operations of all functions.

**Additional Features**

- Fuel-saving Pump System (FPS) minimizes energy loss with superior performance in fine control
- Auto-idle system saves fuel and reduces noise
- Hydraulic drive cooling-fan system for oil cooler
- Hydraulic drive cooling-fan system for radiator
- Forced-lubrication and forced-cooling pump drive system

**Main Pumps**

- 8 variable-displacement, axial piston pumps for front attachment, travel and swing
- Maximum oil flow 8 x 500 L/min (8 x 132.1 gal./min.)

**Pilot Pump**

- Gear pump
- Maximum oil flow 110 L/min (29.1 gal./min.)

**Relief Valve Settings**

- Implement circuit: 29.4 MPa (300 kgf/cm²) (4,264 psi)
- Travel circuit: 29.4 MPa (300 kgf/cm²) (4,264 psi)
- Swing circuit: 29.4 MPa (300 kgf/cm²) (4,264 psi)
- Pilot circuit: 3.9 MPa (566 psi)

**Hydraulic Cylinders**

- High-strength piston rods and tubes adopted. Cylinder cushion mechanisms are provided for boom, arm, bucket and dump cylinders.
- Bucket cylinders of loading shovel are provided with protector.

---

ILLUSTRATIONS SHOW DIESEL ENGINE MACHINE

**ILLUSTRATIONS SHOW DIESEL ENGINE MACHINE**

**Rear-end swing radius**

- 6780 mm (22 ft. 3 in.)

**Rear-end length**

- 6650 mm (21 ft. 10 in.)

**Bucket cylinders of loading shovel are provided with protector.**
### Controls

**Two Implement Levers**

Electric joystick control levers. Right lever is for boom and bucket control, left lever for swing and arm control.

Two pedals provided for opening/closing the bottom dump bucket.

**Two Travel Levers with Pedals**

Remote-controlled hydraulic servo system. Independent drive at each track allows counter rotation of tracks.

1. Left Console
2. Left Control Lever/Horn Switch
3. Left Travel Pedal
4. Left Travel Lever
5. Right Travel Lever
6. Right Travel Pedal
7. Right Control Lever/Horn Switch
8. Right Console
9. Operator’s Seat
10. Bucket Close Pedal (for loading shovel)
11. Bucket Open Pedal (for loading shovel)
12. Pilot Control Shut-Off Lever
13. Rear Console
14. Emergency Engine Stop Switch
15. Engine Speed Control Dial
16. Key Switch
17. Monitor Display

### Cylinder Dimensions (Backhoe)

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Bore (mm)</th>
<th>Rod Diameter (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>360</td>
<td>260 (10.2 in.)</td>
</tr>
<tr>
<td>Arm</td>
<td>300</td>
<td>220 (8.7 in.)</td>
</tr>
<tr>
<td>Bucket</td>
<td>250</td>
<td>180 (7.1 in.)</td>
</tr>
</tbody>
</table>

### Cylinder Dimensions (Loading Shovel)

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Bore (mm)</th>
<th>Rod Diameter (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
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</tr>
<tr>
<td>Arm</td>
<td>300</td>
<td>220 (8.7 in.)</td>
</tr>
<tr>
<td>Bucket</td>
<td>280</td>
<td>200 (7.9 in.)</td>
</tr>
<tr>
<td>Dump</td>
<td>225</td>
<td>130 (5.1 in.)</td>
</tr>
<tr>
<td>Level</td>
<td>360</td>
<td>260 (10.2 in.)</td>
</tr>
</tbody>
</table>

### Hydraulic Filters

All hydraulic circuits have high-quality hydraulic filters for protection against oil contamination and longer life of hydraulic components. Filters are centralized for convenient maintenance.

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Full-flow filter</th>
<th>High-pressure strainer (in main and swing pump line)</th>
<th>Drain filter (for all plunger-type pumps and motors)</th>
<th>Bypass filter (in oil cooler by-pass line)</th>
<th>Pilot filter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>8</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
Upperstructure EX3600-6

Revolving Frame
- Deep, full-reinforced box section. Heavy-gauge steel plates used for ruggedness.

Deck Machinery
- Maintenance accessibility is the major feature in the layout of deck machinery. Sidewalks provide easy access to engine, hydraulic and electrical components.

1. Engine
2. Engine Radiator
3. LTA Radiator
4. Fan Motor x 4
5. Air Filter x 4
6. Hydraulic Pump x 8
7. High-Pressure Strainer x 8
8. Battery Unit
9. Engine-Pump Bulkhead
10. Muffler
11. Swing Device x 4
12. Control Valve x 4
13. Center Joint
14. Hydraulic Oil Tank
15. Fuel Tank
16. Hydraulic Oil Cooler x 4
17. Hydraulic Oil Cooling Fan Motor x 2
18. Lubricator
19. Cab
20. Folding Stairs
21. Ladder
22. Reserve Tank (Engine Oil)
23. Pump Transmission Oil Cooler
24. Fuel Cooler
25. Reserve Tank (Coolant)
26. Engine-Radiator Bulkhead

Upperstructure EX3600E-6

Revolving Frame
- Deep, full-reinforced box section. Heavy-gauge steel plates used for ruggedness.

Deck Machinery
- Maintenance accessibility is the major feature in the layout of deck machinery. Sidewalks provide easy access to engine, hydraulic and electrical components.

1. Main Motor
2. Coupler
3. Pump Drive Unit
4. Hydraulic Pump x 8
5. Hydraulic Oil Cooling Fan Motor x 2
6. Hydraulic Oil Cooler x 4
7. Lubricator
8. Pump Transmission Oil Cooler
9. Motor-Pump Bulkhead
10. Bulkhead
11. Hydraulic Oil Tank
12. Cubicle
13. Control Valve x 4
14. Swing Device x 4
15. Slip Ring
16. Center Joint
17. High-Pressure Strainer x 8
18. Battery x 2
19. Cab
20. Folding Stairs
21. Ladder
22. Cab Heater Unit
Swing Device

4 high-torque, axial-piston motors with two-stage planetary gear bathed in oil. Swing circle with dirt seals is a heavy-duty, triple-row cylindrical roller bearing. Induction-hardened internal swing circle gear and pinion immersed in lubricant. Parking brake of springset/hydraulic-released disc type. This parking brake is manually releasable.

Swing speed 3.2 min⁻¹ (rpm)

Operator's Cab

The sturdy cab, with the top guard conforming to OPG Level II (ISO), helps protect the operator from falling objects. 1800-mm (5 ft. 11 in.) width, 2150-mm (7 ft. 1 in.) height, roomy 7.5-m³ (9.8 cu. yd.) cab with tinted-glass windows features all-around visibility. Air-suspension type, fully adjustable reclining seat with armrests; movable with or without front and swing control levers by slide. Multi-display (267-mm [10.5 in.] LCD) for centralized information of machine status. Color monitor cameras for rear, right side and left lower views. Three separate pressurized air-conditioning systems.

Noise level 76 dB(A) in the cab at maximum engine speed under no-load condition

Eye-level height 6760 mm (22 ft. 2 in.)

Undercarriage

Tracks


Travel Device

Each track driven by high-torque, axial piston motors, allowing counter rotation of tracks. Two-stage planetary gear plus spur gears reduction device. Dual-support-type traction device. Parking brake of springset/hydraulic-released disc type. This parking brake is manually releasable.

Travel speeds Low: 0-1.7 km/h (0-1.1 mph) High: 0-2.2 km/h (0-1.4 mph)

Maximum traction force 1760 kN/179 500 kgf (395,730 lbf.)

Gradeability 58% (30°) maximum

Weights and Ground Pressure

Loading Shovel

Equipped with 21-m³ (27.5 cu. yd.) (SAE heaped 2:1) bottom-dump bucket.

Diesel Engine

<table>
<thead>
<tr>
<th>Shoe Type</th>
<th>Shoe Width</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple Grousers</td>
<td>1270 mm (50 in.)</td>
<td>362 000 kg (798,073 lb.)</td>
<td>190 kPa (1.94 kgf/cm²) (27.6 psi)</td>
</tr>
</tbody>
</table>

Electric Motor

<table>
<thead>
<tr>
<th>Shoe Type</th>
<th>Shoe Width</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple Grousers</td>
<td>1270 mm (50 in.)</td>
<td>353 000 kg (779,232 lb.)</td>
<td>185 kPa (1.89 kgf/cm²) (26.8 psi)</td>
</tr>
</tbody>
</table>

Backhoe

Equipped with 9.6-m (31 ft. 6 in.) BE boom, 4.5-m (14 ft. 9 in.) BE arm, and 22-m³ (28.8 cu. yd.) (SAE heaped 1:1) bucket.

Diesel Engine

<table>
<thead>
<tr>
<th>Shoe Type</th>
<th>Shoe Width</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple Grousers</td>
<td>1270 mm (50 in.)</td>
<td>359 000 kg (791,460 lb.)</td>
<td>188 kPa (1.92 kgf/cm²) (27.3 psi)</td>
</tr>
</tbody>
</table>

Electric Motor

<table>
<thead>
<tr>
<th>Shoe Type</th>
<th>Shoe Width</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple Grousers</td>
<td>1270 mm (50 in.)</td>
<td>350 000 kg (771,618 lb.)</td>
<td>184 kPa (1.88 kgf/cm²) (26.7 psi)</td>
</tr>
</tbody>
</table>

Service Refill Capabilities

Fuel tank 7450 L (1,968 gal.)

Engine coolant 614 L (162 gal.)

Engine oil pan 261 L (69 gal.)

Engine oil reserve tank 280 L (74 gal.)

Pump transmission device 62 L (16 gal.)

Swing device 4 X 75 L (4 x 20 gal.)

Travel device 2 x 220 L (2 x 58 gal.)

Hydraulic system 4000 L (1,057 gal.)

Hydraulic oil tank 1900 L (502 gal.)
Leading Shovel Attachment EX3600-6

Bucket

<table>
<thead>
<tr>
<th>Bucket Capacity (SAE Heaped 2:1)</th>
<th>21-m³ (27.5 cu. yd.)</th>
<th>23-m³ (30.1 cu. yd.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Min digging distance</td>
<td>6190 mm (20 ft. 4 in.)</td>
<td>6180 mm (20 ft. 3 in.)</td>
</tr>
<tr>
<td>B Min level crowding distance</td>
<td>9300 mm (30 ft. 6 in.)</td>
<td>9360 mm (30 ft. 9 in.)</td>
</tr>
<tr>
<td>C Level crowding distance</td>
<td>5100 mm (16 ft. 9 in.)</td>
<td>5080 mm (16 ft. 8 in.)</td>
</tr>
<tr>
<td>D Max digging reach</td>
<td>15 470 mm (50 ft. 9 in.)</td>
<td>15 550 mm (51 ft.)</td>
</tr>
<tr>
<td>E Max cutting height</td>
<td>16 560 mm (54 ft. 4 in.)</td>
<td>10 990 mm (36 ft. 1 in.)</td>
</tr>
<tr>
<td>E' Max dumping height</td>
<td>16 990 mm (56 ft. 1 in.)</td>
<td>16 640 mm (54 ft. 7 in.)</td>
</tr>
<tr>
<td>F Max digging depth</td>
<td>4160 mm (13 ft. 8 in.)</td>
<td>4250 mm (13 ft. 11 in.)</td>
</tr>
<tr>
<td>G Working radius at max dumping height</td>
<td>8650 mm (28 ft. 5 in.)</td>
<td>8650 mm (28 ft. 5 in.)</td>
</tr>
<tr>
<td>H Max bucket opening width</td>
<td>1950 mm (6 ft. 5 in.)</td>
<td>1950 mm (6 ft. 5 in.)</td>
</tr>
</tbody>
</table>

Bucket digging force: 1166 kN / 119 000 kgf (262,350 lbf.)

Arm crowding force: 1108 kN / 113 000 kgf (249,122 lbf.)

Note: These buckets do not include any type of wear protection for sides, bottom, and inside the bucket. Please consult your local Hitachi dealer for a proper wear protection system for your application.

Please do not use the buckets without proper wear protection for your application.

Working Ranges

<table>
<thead>
<tr>
<th>Working Ranges</th>
<th>21-m³ (27.5 cu. yd.)</th>
<th>23-m³ (30.1 cu. yd.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Min digging distance</td>
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</tr>
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<td>G Working radius at max dumping height</td>
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<tr>
<td>H Max bucket opening width</td>
<td>1950 mm (6 ft. 5 in.)</td>
<td>1950 mm (6 ft. 5 in.)</td>
</tr>
<tr>
<td>Bucket digging force</td>
<td>1166 kN / 119 000 kgf (262,350 lbf.)</td>
<td>1137 kN / 116 000 kgf (255,736 lbf.)</td>
</tr>
<tr>
<td>Arm crowding force</td>
<td>1108 kN / 113 000 kgf (249,122 lbf.)</td>
<td>1084 kN / 111 000 kgf (244,713 lbf.)</td>
</tr>
</tbody>
</table>

Bucket

<table>
<thead>
<tr>
<th>Capacity (SAE heaped 2:1)</th>
<th>Width</th>
<th>Number of Teeth</th>
<th>Weight</th>
<th>Type</th>
<th>Materials density</th>
</tr>
</thead>
<tbody>
<tr>
<td>21-m³ (27.5 cu. yd.)</td>
<td>4160 mm (13 ft. 8 in.)</td>
<td>5</td>
<td>28 300 kg (62,391 lb.)</td>
<td>Bottom-dump-type general purpose</td>
<td>1800 kg/m³ (3.034 lb./cu. yd.) or less</td>
</tr>
<tr>
<td>23-m³ (30.1 cu. yd.)</td>
<td>4160 mm (13 ft. 8 in.)</td>
<td>5</td>
<td>28 400 kg (62,611 lb.)</td>
<td>Bottom-dump-type light duty</td>
<td>1600 kg/m³ (2.697 lb./cu. yd.) or less</td>
</tr>
</tbody>
</table>

Note: These buckets do not include any type of wear protection for sides, bottom, and inside the bucket. Please consult your local Hitachi dealer for a proper wear protection system for your application.

Please do not use the buckets without proper wear protection for your application.
Bucket Boom and arm are of all-welded, low-stress, full-box section design. Bucket of all-welded, high-strength steel structure. Bucket/arm and arm/boom joint pins are floating type.

Replaceable thrust plates are provided with bucket/arm joint part. Auto-lubrication system for all pins is standard.

<table>
<thead>
<tr>
<th>Capacity (SAE heaped 1:1)</th>
<th>Width (without side cutters)</th>
<th>Number of Teeth</th>
<th>Weight</th>
<th>Type</th>
<th>Materials density</th>
</tr>
</thead>
<tbody>
<tr>
<td>22-m³ (28.8 cu. yd.)</td>
<td>3790 mm (12 ft. 5 in.)</td>
<td>6</td>
<td>18 400 kg (40,565 lb.)</td>
<td>General purpose</td>
<td>1800 kg/m³ (3,034 lb./cu. yd.) or less</td>
</tr>
</tbody>
</table>

Note: These buckets do not include any type of wear protection for sides, bottom, and inside the bucket. Please consult your local Hitachi dealer for a proper wear protection system for your application. Please do not use the buckets without proper wear protection for your application.
EX3600-6 SPECS

MINING EXCAVATOR

TRANSPORTATION

Upperstructure

**EX3600-6**

**CAB ASSEMBLY**
- Weight: 1750 kg (3,858 lb.)
- Width: 1880 mm (6 ft. 2 in.)

**BED ASSEMBLY (LEFT)**
- Weight: 9270 kg (20,437 lb.)
- Width: 2370 mm (7 ft. 9 in.)

**HANDRAIL**
- Weight: 22.5 kg (50 lb.)
- Width: 90 mm (3 ft. 5 in.)

**SWITCHBOX**
- Weight: 33 kg (73 lb.)
- Width: 250 mm (10 in.)

**MAIN FRAME ASSEMBLY**
- Weight: 41 600 kg (91,710 lb.)
- Width: 3510 mm (11 ft. 6 in.)

**STEP**
- Weight: 37 kg (82 lb.)
- Width: 560 mm (1 ft. 10 in.)

**FOLDING STAIRS**
- Weight: 773 kg (1,704 lb.)
- Width: 1020 mm (3 ft. 7 in.)

**BOX ASSEMBLY**
- Weight: 869 kg (1,916 lb.)
- Width: 1242 mm (4 ft. 1 in.)

**HANDRAIL**
- Weight: 17.5 kg (39 lb.)
- Width: 853 mm (2 ft. 10 in.)

**STEP**
- Weight: 39 kg (86 lb.)
- Width: 400 mm (1 ft. 4 in.)

**STEP**
- Weight: 48 kg (106 lb.)
- Width: 342 mm (1 ft. 1 in.)

**STEP**
- Weight: 37 kg (82 lb.)
- Width: 422 mm (1 ft. 5 in.)

**ENGINE UNIT**
- Weight: 26 500 kg (58,420 lb.)
- Width: 2670 mm (8 ft. 9 in.)

**AIR CLEANERS AND MUFFLER ASSEMBLY**
- Weight: 1490 kg (3,285 lb.)
- Width: 2520 mm (8 ft. 3 in.)
### Upperstructure (continued) EX3600-6

#### Handrail
- **Weight**: 22.5 kg (50 lb.)
- **Width**: 90 mm (0 ft. 4 in.)

#### Bed Assembly (Right)
- **Weight**: 11,700 kg (25,190 lb.)
- **Width**: 2420 mm (7 ft. 11 in.)

#### Hose Reel
- **Weight**: 50 kg (110 lb.)
- **Width**: 204 mm (8 in.)

#### Handrail
- **Weight**: 22.5 kg (50 lb.)
- **Width**: 90 mm (0 ft. 4 in.)

#### Suction Pipe
- **Weight**: 34 kg (75 lb.)
- **Width**: 290 mm (11 in.)

#### Suction Pipe
- **Weight**: 33 kg (73 lb.)
- **Width**: 290 mm (11 in.)

#### Step
- **Weight**: 39 kg (86 lb.)
- **Width**: 400 mm (1 ft. 4 in.)

#### Step
- **Weight**: 37 kg (82 lb.)
- **Width**: 422 mm (1 ft. 1 in.)

#### Step
- **Weight**: 39 kg (86 lb.)
- **Width**: 422 mm (1 ft. 1 in.)

#### Engine Unit
- **Weight**: 26,500 kg (58,420 lb.)
- **Width**: 2,670 mm (8 ft. 9 in.)

#### Air Cleaners and Muffler Assembly
- **Weight**: 1,490 kg (3,285 lb.)
- **Width**: 2,520 mm (8 ft. 3 in.)
SUCTION MANIFOLD
Weight: 422 kg (930 lb.)
Width: 1380 mm (4 ft. 6 in.)

RESERVE TANK (COOLANT)
Weight: 118 kg (260 lb.)
Width: 913 mm (3 ft. 0 in.)

BRACKET
Weight: 13 kg (29 lb.)
Width: 125 mm (5 in.)

BRACKET
Weight: 13 kg (29 lb.)
Width: 125 mm (5 in.)

DOOR
Weight: 29 kg (64 lb.)
Width: 74 mm (3 in.)

COUNTERWEIGHT
Weight: 39 900 kg (87,964 lb.)
Width: 1450 mm (4 ft. 9 in.)

RESERVE TANK (ENGINE OIL)
Weight: 155 kg (342 lb.)
Width: 543 mm (1 ft. 9 in.)

BOLTS
Weight: 30 kg x 8 (66 lb. x 8)
Width: 100 mm (0 ft. 4 in.)

WASHERS
Weight: 0.8 kg x 60 (2 lb. x 60)
Width: 20 mm (0 ft. 1 in.)

BOLTS
Weight: 9.3 kg x 60 (20 lb. x 60)
Width: 85 mm (0 ft. 4 in.)
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<td>1800 mm (5 ft. 11 in.)</td>
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<td>529 mm (21 in.)</td>
<td>10 kg (22 lb.)</td>
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<tr>
<td>Cover 3</td>
<td>1</td>
<td>720 mm (28 in.)</td>
<td></td>
<td>262 mm (10 in.)</td>
<td>5 kg (11 lb.)</td>
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<tr>
<td>Cover 4</td>
<td>2</td>
<td>985 mm (3 ft. 3 in.)</td>
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<td>355 mm (14 in.)</td>
<td>10 kg (22 lb.)</td>
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<td>Sidewalk 1</td>
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<td>1530 mm (5 ft.)</td>
<td>415 mm (16 in.)</td>
<td>1290 mm (4 ft. 3 in.)</td>
<td>59 kg (130 lb.)</td>
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<tr>
<td>Sidewalk 2</td>
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<td>1360 mm (4 ft. 6 in.)</td>
<td>407 mm (16 in.)</td>
<td>1290 mm (4 ft. 3 in.)</td>
<td>49 kg (108 lb.)</td>
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<td>Sidewalk 3</td>
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<td>1720 mm (5 ft. 8 in.)</td>
<td>690 mm (27 in.)</td>
<td>1290 mm (4 ft. 3 in.)</td>
<td>95 kg (209 lb.)</td>
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<tr>
<td>Sidewalk 4</td>
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<td>2000 mm (6 ft. 7 in.)</td>
<td>682 mm (27 in.)</td>
<td>1290 mm (4 ft. 3 in.)</td>
<td>123 kg (271 lb.)</td>
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<td>1</td>
<td>1820 mm (6 ft.)</td>
<td>620 mm (24 in.)</td>
<td>1220 mm (4 ft.)</td>
<td>65 kg (143 lb.)</td>
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<tr>
<td>Sidewalk 6</td>
<td>1</td>
<td>2360 mm (7 ft. 9 in.)</td>
<td>682 mm (27 in.)</td>
<td>1610 mm (5 ft. 2 in.)</td>
<td>226 kg (498 lb.)</td>
</tr>
<tr>
<td>Sidewalk 7</td>
<td>1</td>
<td>2220 mm (7 ft. 3 in.)</td>
<td>683 mm (27 in.)</td>
<td>1610 mm (5 ft. 2 in.)</td>
<td>198 kg (481 lb.)</td>
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<td>1</td>
<td>2560 mm (8 ft. 5 in.)</td>
<td>820 mm (32 in.)</td>
<td>2510 mm (8 ft. 3 in.)</td>
<td>329 kg (725 lb.)</td>
</tr>
<tr>
<td>Sidewalk 9</td>
<td>1</td>
<td>2590 mm (8 ft. 6 in.)</td>
<td>681 mm (27 in.)</td>
<td>2510 mm (8 ft. 3 in.)</td>
<td>329 kg (725 lb.)</td>
</tr>
<tr>
<td>Sidewalk 10</td>
<td>1</td>
<td>2010 mm (6 ft. 7 in.)</td>
<td>677 mm (27 in.)</td>
<td>2150 mm (7 ft. 1 in.)</td>
<td>250 kg (551 lb.)</td>
</tr>
<tr>
<td>Sidewalk 11</td>
<td>1</td>
<td>2430 mm (8 ft.)</td>
<td>677 mm (27 in.)</td>
<td>1810 mm (5 ft. 11 in.)</td>
<td>223 kg (492 lb.)</td>
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<tr>
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<td>2040 mm (6 ft. 8 in.)</td>
<td>869 mm (32 in.)</td>
<td>1810 mm (5 ft. 11 in.)</td>
<td>184 kg (406 lb.)</td>
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<tr>
<td>Sidewalk 13</td>
<td>1</td>
<td>1700 mm (5 ft. 7 in.)</td>
<td>680 mm (27 in.)</td>
<td>1810 mm (5 ft. 11 in.)</td>
<td>176 kg (388 lb.)</td>
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<tr>
<td>Sidewalk 14</td>
<td>1</td>
<td>3190 mm (10 ft. 6 in.)</td>
<td>866 mm (32 in.)</td>
<td>1230 mm (4 ft.)</td>
<td>71 kg (157 lb.)</td>
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<tr>
<td>Sidewalk 15</td>
<td>1</td>
<td>997 mm (3 ft. 3 in.)</td>
<td>630 mm (25 in.)</td>
<td>1210 mm (4 ft.)</td>
<td>54 kg (119 lb.)</td>
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<tr>
<td>Sidewalk 16</td>
<td>1</td>
<td>804 mm (32 in.)</td>
<td>957 mm (3 ft. 3 in.)</td>
<td>1410 mm (4 ft. 8 in.)</td>
<td>54 kg (119 lb.)</td>
</tr>
<tr>
<td>Sidewalk 17</td>
<td>1</td>
<td>1940 mm (6 ft. 4 in.)</td>
<td>646 mm (25 in.)</td>
<td>1230 mm (4 ft.)</td>
<td>107 kg (236 lb.)</td>
</tr>
<tr>
<td>Handrail 1</td>
<td>1</td>
<td>710 mm (28 in.)</td>
<td>50 mm (2 in.)</td>
<td>409 mm (16 in.)</td>
<td>6 kg (13 lb.)</td>
</tr>
<tr>
<td>Handrail 2</td>
<td>1</td>
<td>2460 mm (8 ft. 1 in.)</td>
<td>50 mm (2 in.)</td>
<td>1460 mm (4 ft. 9 in.)</td>
<td>22 kg (49 lb.)</td>
</tr>
<tr>
<td>Handrail 3</td>
<td>1</td>
<td>1960 mm (6 ft. 5 in.)</td>
<td>419 mm (17 in.)</td>
<td>1280 mm (4 ft. 2 in.)</td>
<td>36 kg (79 lb.)</td>
</tr>
<tr>
<td>Handrail 4</td>
<td>1</td>
<td>2600 mm (8 ft. 6 in.)</td>
<td>364 mm (14 in.)</td>
<td>1280 mm (4 ft. 2 in.)</td>
<td>38 kg (84 lb.)</td>
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<tr>
<td>Handrail 5</td>
<td>1</td>
<td>1720 mm (5 ft. 8 in.)</td>
<td>261 mm (10 in.)</td>
<td>1090 mm (3 ft. 7 in.)</td>
<td>17 kg (38 lb.)</td>
</tr>
<tr>
<td>Handrail 6</td>
<td>1</td>
<td>1720 mm (5 ft. 8 in.)</td>
<td>261 mm (10 in.)</td>
<td>1670 mm (5 ft. 6 in.)</td>
<td>19 kg (42 lb.)</td>
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<tr>
<td>Handrail 7</td>
<td>1</td>
<td>2920 mm (9 ft. 7 in.)</td>
<td>295 mm (11 in.)</td>
<td>1020 mm (3 ft. 4 in.)</td>
<td>32 kg (71 lb.)</td>
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<tr>
<td>Handrail 8</td>
<td>1</td>
<td>1480 mm (4 ft. 10 in.)</td>
<td>223 mm (9 in.)</td>
<td>1020 mm (3 ft. 4 in.)</td>
<td>17 kg (38 lb.)</td>
</tr>
<tr>
<td>Handrail 9</td>
<td>1</td>
<td>3080 mm (10 ft. 1 in.)</td>
<td>285 mm (11 in.)</td>
<td>1020 mm (3 ft. 4 in.)</td>
<td>33 kg (73 lb.)</td>
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<tr>
<td>Handrail 10</td>
<td>1</td>
<td>780 mm (31 in.)</td>
<td>280 mm (11 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>16 kg (35 lb.)</td>
</tr>
<tr>
<td>Handrail 11</td>
<td>1</td>
<td>2360 mm (7 ft. 9 in.)</td>
<td>97 mm (4 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>60 kg (132 lb.)</td>
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<td>495 mm (20 in.)</td>
<td>173 mm (7 in.)</td>
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<td>16 kg (35 lb.)</td>
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<tr>
<td>Handrail 13</td>
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<td>625 mm (25 in.)</td>
<td>217 mm (8 in.)</td>
<td>1850 mm (6 ft. 1 in.)</td>
<td>20 kg (44 lb.)</td>
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<tr>
<td>Handrail 14</td>
<td>1</td>
<td>611 mm (24 in.)</td>
<td>386 mm (15 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>16 kg (35 lb.)</td>
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<tr>
<td>Handrail 15</td>
<td>1</td>
<td>937 mm (3 ft. 1 in.)</td>
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<td>1310 mm (4 ft. 4 in.)</td>
<td>16 kg (35 lb.)</td>
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<tr>
<td>Handrail 16</td>
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<td>663 mm (26 in.)</td>
<td>386 mm (15 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>16 kg (35 lb.)</td>
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<tr>
<td>Handrail 17</td>
<td>1</td>
<td>2360 mm (7 ft. 9 in.)</td>
<td>55 mm (2 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>30 kg (66 lb.)</td>
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<tr>
<td>Handrail 18</td>
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<td>2610 mm (8 ft. 7 in.)</td>
<td>191 mm (8 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>23 kg (51 lb.)</td>
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<tr>
<td>Handrail 19</td>
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<td>3430 mm (11 ft. 3 in.)</td>
<td>261 mm (10 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>39 kg (86 lb.)</td>
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<tr>
<td>Handrail 20</td>
<td>1</td>
<td>1690 mm (5 ft. 7 in.)</td>
<td>316 mm (12 in.)</td>
<td>697 mm (27 in.)</td>
<td>16 kg (35 lb.)</td>
</tr>
</tbody>
</table>
## UNDERCARRIAGE

### EX3600-6

#### SUPPORT
- **Weight:** 87 kg (192 lb.)
- **Width:** 108 mm (4 in.)

#### LADDER
- **Weight:** 18 kg (40 lb.)
- **Width:** 200 mm (8 in.)

#### STEP
- **Weight:** 11 kg (24 lb.)
- **Width:** 200 mm (8 in.)

### TRACK SIDE FRAME ASSEMBLY
- **Weight:** 37,600 kg (82,893 lb.)
- **Width:** 2,315 mm (7 ft. 7 in.)

### TRACK CENTER FRAME ASSEMBLY
- **Weight:** 31,500 kg (69,450 lb.)
- **Width:** 5,530 mm (18 ft. 2 in.)

### TRACK LINKS
- **Weight:** 5,000 kg
- **Width:** 1,027 mm

### STOPPER
- **Weight:** 14 kg (31 lb.)
- **Width:** 25 mm (1 in.)

### TRACK LINKS
- **Weight:** 6,300 kg
- **Width:** 1,270 mm

### BOLTS
- **Weight:** 6.9 kg x 68 (15 lb. x 68)
- **Width:** 85 mm (3 in.)

### WASHERS
- **Weight:** 6.3 kg x 68 (14 lb. x 68)

### OTHER PARTS

<table>
<thead>
<tr>
<th>Content</th>
<th>Quantity</th>
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<th>Width</th>
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<td>Cover 1</td>
<td>1</td>
<td>2,370 mm (7 ft. 9 in.)</td>
<td>799 mm (31 in.)</td>
<td>831 mm (33 in.)</td>
<td>115 kg (254 lb.)</td>
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<tr>
<td>Cover 2</td>
<td>2</td>
<td>2,180 mm (7 ft. 2 in.)</td>
<td>493 mm (19 in.)</td>
<td>1,070 mm (3 ft. 6 in.)</td>
<td>101 kg (223 lb.)</td>
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<tr>
<td>Cover 3</td>
<td>1</td>
<td>2,180 mm (7 ft. 2 in.)</td>
<td>547 mm (22 in.)</td>
<td>852 mm (34 in.)</td>
<td>80 kg (176 lb.)</td>
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Leader Attachments EX3600-6

**BOOM ASSEMBLY**
- Weight: 27'000 kg (59,925 lb.)
- Width: 2570 mm (8 ft. 5 in.)

**LADDER**
- Weight: 9 kg (20 lb.)
- Width: 470 mm (1 ft. 7 in.)

**BOOM CYLINDERS**
- Weight: 4315 kg x 2 (9513 lb. x 2)
- Width: 560 mm (1 ft. 10 in.)

**ARM ASSEMBLY**
- Weight: 13'300 kg (29,322 lb.)
- Width: 2900 mm (9 ft. 6 in.)

**ARM CYLINDER**
- Weight: 2720 kg (5,997 lb.)
- Width: 530 mm (1 ft. 9 in.)

**FRONT BUCKET ASSEMBLY**
- Capacity: 21.0 m³ (heaped) (27.5 cu. yd.)
- Weight: 13'760 kg (30,336 lb.)
- Width: 3995 mm (13 ft. 1 in.)

**BUCKET CYLINDERS**
- Weight: 2420 kg (5,335 lb.) x 2
- Width: 685 mm (2 ft. 11 in.)

**REAR BUCKET ASSEMBLY**
- Weight: 14'740 kg (32,496 lb.) x 2
- Width: 4162 mm (13 ft. 8 in.)

**BOOM CYLINDERS**
- Weight: 4315 kg x 2 (9513 lb. x 2)
- Width: 560 mm (1 ft. 10 in.)

**ARM CYLINDER**
- Weight: 2720 kg (5,897 lb.)
- Width: 530 mm (1 ft. 9 in.)

**FRONT BUCKET ASSEMBLY**
- Capacity: 21.0 m³ (heaped) (27.5 cu. yd.)
- Weight: 13'760 kg (30,336 lb.)
- Width: 3995 mm (13 ft. 1 in.)

**BUCKET CYLINDERS**
- Weight: 2420 kg (5,335 lb.) x 2
- Width: 685 mm (2 ft. 11 in.)

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- Weight: 14'740 kg (32,496 lb.) x 2
- Width: 4162 mm (13 ft. 8 in.)

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- Weight: 27'000 kg (59,925 lb.)
- Width: 2570 mm (8 ft. 5 in.)

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- Width: 470 mm (1 ft. 7 in.)

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- Weight: 4315 kg x 2 (9513 lb. x 2)
- Width: 560 mm (1 ft. 10 in.)

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- Weight: 13'300 kg (29,322 lb.)
- Width: 2900 mm (9 ft. 6 in.)

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- Weight: 2720 kg (5,997 lb.)
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- Capacity: 21.0 m³ (heaped) (27.5 cu. yd.)
- Weight: 13'760 kg (30,336 lb.)
- Width: 3995 mm (13 ft. 1 in.)

**BUCKET CYLINDERS**
- Weight: 2420 kg (5,335 lb.) x 2
- Width: 685 mm (2 ft. 11 in.)

**REAR BUCKET ASSEMBLY**
- Weight: 14'740 kg (32,496 lb.) x 2
- Width: 4162 mm (13 ft. 8 in.)

**BOOM ASSEMBLY**
- Weight: 27'000 kg (59,925 lb.)
- Width: 2570 mm (8 ft. 5 in.)

**LADDER**
- Weight: 9 kg (20 lb.)
- Width: 470 mm (1 ft. 7 in.)

**BOOM CYLINDERS**
- Weight: 4315 kg x 2 (9513 lb. x 2)
- Width: 560 mm (1 ft. 10 in.)

**ARM ASSEMBLY**
- Weight: 13'300 kg (29,322 lb.)
- Width: 2900 mm (9 ft. 6 in.)

**ARM CYLINDER**
- Weight: 2720 kg (5,897 lb.)
- Width: 530 mm (1 ft. 9 in.)

**FRONT BUCKET ASSEMBLY**
- Capacity: 21.0 m³ (heaped) (27.5 cu. yd.)
- Weight: 13'760 kg (30,336 lb.)
- Width: 3995 mm (13 ft. 1 in.)

**BUCKET CYLINDERS**
- Weight: 2420 kg (5,335 lb.) x 2
- Width: 685 mm (2 ft. 11 in.)

**REAR BUCKET ASSEMBLY**
- Weight: 14'740 kg (32,496 lb.) x 2
- Width: 4162 mm (13 ft. 8 in.)

---

**Other Parts Dimensions**

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<th>Width</th>
<th>Height (in.)</th>
<th>Weight (lb.)</th>
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<td>2</td>
<td>3540 mm (11 ft. 7 in.)</td>
<td>50 mm (2 in.)</td>
<td>867 mm (34 in.)</td>
<td>28 kg (62 lb.)</td>
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Backhoe Attachments EX3600-6

**Boom Assembly**
- Weight: 31,600 kg (69,666 lb.)
- Width: 2540 mm (8 ft. 4 in.)

**Boom Cylinders**
- Weight: 4500 kg x2 (9,921 lb.)
- Width: 560 mm (1 ft. 10 in.)

**Clamp Assembly**
- Weight: 27 kg x2 (9.92 lb.)
- Width: 65 mm (1 ft. 10 in.)

**Arm Assembly**
- Weight: 23,700 kg (52,250 lb.)
- Width: 2110 mm (6 ft. 11 in.)

**Bucket Assembly**
- Capacity: 22.0 m³ (SAE, PCSA heaped) (28.8 cu. yd.)
- Weight: 18,800 kg (41,447 lb.)
- Width: 3910 mm (12 ft. 10 in.)

**Teeth**
- Weight: 96 kg x 6 (212 lb.)
- Width: 272 mm (9 ft. 1 in.)

**Pin**
- Weight: 4.2 kg x 6 (9 lb.)
- Width: 61 mm (2 ft. 2 in.)

---

**Other Parts**

<table>
<thead>
<tr>
<th>Content</th>
<th>Quantity</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handrail</td>
<td>2</td>
<td>1900 mm (6 ft. 3 in.)</td>
<td>50 mm (2 in.)</td>
<td>917 mm (3 ft.)</td>
<td>16 kg (35 lb.)</td>
</tr>
</tbody>
</table>

---

---
### LIFTING CAPACITIES

**EX3600-6 BE**

<table>
<thead>
<tr>
<th>Load Point Height</th>
<th>8.0 m (26 ft. 3 in.)</th>
<th>10.0 m (32 ft. 10 in.)</th>
<th>12.0 m (39 ft. 4 in.)</th>
<th>14.0 m (45 ft. 11 in.)</th>
<th>15.0 m (49 ft. 3 in.)</th>
<th>16.0 m (52 ft. 6 in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal Distance from Centerline of Rotation</td>
<td>Over Front</td>
<td>Over Side</td>
<td>Over Front</td>
<td>Over Side</td>
<td>Over Front</td>
<td>Over Side</td>
</tr>
<tr>
<td>13 m (42 ft. 8 in.)</td>
<td>*29.5</td>
<td>*31.0</td>
<td>*15.4</td>
<td>*32.8</td>
<td>*29.8</td>
<td>*31.0</td>
</tr>
<tr>
<td>12 m (39 ft. 4 in.)</td>
<td>*28.9</td>
<td>*30.6</td>
<td>*14.9</td>
<td>*32.1</td>
<td>*29.6</td>
<td>*30.6</td>
</tr>
<tr>
<td>10 m (32 ft. 10 in.)</td>
<td>*29.8</td>
<td>*32.2</td>
<td>*14.4</td>
<td>*32.9</td>
<td>*29.7</td>
<td>*32.2</td>
</tr>
<tr>
<td>8 m (26 ft. 3 in.)</td>
<td>*31.4</td>
<td>*33.9</td>
<td>*14.5</td>
<td>*33.6</td>
<td>*31.3</td>
<td>*33.9</td>
</tr>
<tr>
<td>6 m (19 ft. 8 in.)</td>
<td>*44.4</td>
<td>*46.5</td>
<td>*16.1</td>
<td>*46.5</td>
<td>*44.4</td>
<td>*46.5</td>
</tr>
<tr>
<td>4 m (13 ft. 1 in.)</td>
<td>*79.6</td>
<td>*82.8</td>
<td>*17.5</td>
<td>*82.8</td>
<td>*79.6</td>
<td>*82.8</td>
</tr>
<tr>
<td>2 m (6 ft. 7 in.)</td>
<td>76.6</td>
<td>80.8</td>
<td>17.1</td>
<td>80.8</td>
<td>76.6</td>
<td>80.8</td>
</tr>
<tr>
<td>0 (Ground)</td>
<td>73.9</td>
<td>76.5</td>
<td>16.3</td>
<td>76.5</td>
<td>73.9</td>
<td>76.5</td>
</tr>
<tr>
<td>-2 m (-6 ft. 7 in.)</td>
<td>*62.8</td>
<td>*66.9</td>
<td>*30.8</td>
<td>*66.9</td>
<td>*62.8</td>
<td>*66.9</td>
</tr>
<tr>
<td>-4 m (-13 ft. 1 in.)</td>
<td>*58.1</td>
<td>*62.8</td>
<td>*28.8</td>
<td>*62.8</td>
<td>*58.1</td>
<td>*62.8</td>
</tr>
<tr>
<td>-5 m (-16 ft. 5 in.)</td>
<td>*54.5</td>
<td>*58.1</td>
<td>*26.3</td>
<td>*58.1</td>
<td>*54.5</td>
<td>*58.1</td>
</tr>
</tbody>
</table>

*Indicates hydraulically limited capacity; numbers without * indicate stability-limited capacities, in kg. The load point is a hook (not standard equipment) loaded on the back of the bucket.

Lifting capacity of the EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity. Ratings are based on SAE J1097.
### Standard / Optional Equipment

**For the EX3600-6 equipped with a diesel engine.**

**Key:** ◆ Standard ▲ Optional or special kit

#### 3600 Engine
- 140 A alternator
- Heavy-duty type air cleaner with dust ejector
- Cartridge-type engine oil filter
- Cartridge-type engine oil bypass filter
- Cartridge-type fuel filter
- Water filter
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine
- Pre-lubrication system
- Auto-idle engine
- Emergency engine stop system
- Engine oil reserve system

#### Hydraulic System
- Engine Pump control system (EP)
- Optimum Hydraulic System (OHS)
- Fuel-saving Pump System (FPS)
- Hydraulic drive cooling-fan system
- Forced-lubrication and forced cooling pump drive system
- Control valve with main relief valve
- Suction filter
- Full-flow filter
- Bypass filter
- Pilot filter
- Drain filter
- High-pressure strainer

#### Undercarriage
- Travel parking brake
- Travel motion alarm device
- Hydraulic track adjuster with N₂ gas accumulator and relief valve
- i270-mm (50 in.) triple grouser shoes

#### Upperstructure
- Lockable machine covers
- 39 900 kg (87,964 lb.) counterweight
- Hydraulic drive grease gun with hose reel
- Folding stairs with wide steps
- Swing parking brake

#### Cab
- OPG top guard level II (IS0) helps protect the operator from falling objects
- All-weather sound-suppressed steel integrated cab
- Fluid-filled elastic mounts
- Laminated glass windshield
- Reinforced/tinted (bronze color) side and rear windows
- Parallel-link-type intermittent windshield wiper
- Front windshield washer
- LCD monitor display with various meters, pilot indicators, and warning indicators
- Air-suspension seat with automatic weight-adjusting function
- Wrist-control-type electric lever with height-adjusting function

#### 3600 Cab (continued)
- Electric / hydraulic operation travel pedals
- Electric / hydraulic operation bucket open/close pedals - shovel
- LED type room lamps
- Footrest
- Air horn with electric compressor
- Auto-tuning AM-FM radio with digital clock
- Seat belt
- Hot and cool box
- Storage spaces
- Floor mat
- Air conditioner with defroster
- Rearview mirror
- Evacuation hammer
- Emergency escape device
- Trainer’s seat
- Pilot control shut-off lever

#### Monitor Systems

<table>
<thead>
<tr>
<th>Meters</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hour meter</td>
<td>Fuel gauge</td>
</tr>
<tr>
<td></td>
<td>Fuel temperature</td>
<td>Hydraulic oil temperature gauge</td>
</tr>
<tr>
<td></td>
<td>Tachometer</td>
<td>Engine coolant temperature gauge</td>
</tr>
<tr>
<td></td>
<td>Engine oil pressure</td>
<td>Engine oil pressure gauge</td>
</tr>
<tr>
<td></td>
<td>Engine oil temperature gauge</td>
<td>Battery voltage gauge</td>
</tr>
<tr>
<td></td>
<td>Ambient temperature</td>
<td></td>
</tr>
</tbody>
</table>

**Pilot indicators (green)**
- Pre-lubrication system
- Auto-idle
- Travel mode

**Warning indicators (red)**
- Alternator
- Engine stop
- Coolant overheat
- Hydraulic oil level
- Auto lubrication
- Tension (Track Adjuster)
- Electric lever
- Emergency engine stop
- Stop valve
- Engine over run
- Coolant level
- Engine oil pressure
- Pump transmission oil level indicator

**Warning indicators (yellow)**
- Exhaust temperature
- Fast-filling
- Fuel temperature
- Engine warning
- Hydraulic oil overheat
- Stairway position
- Electrical equipment box

#### 3600 Monitor Systems (continued)
- Pump contamination
- Air cleaner restriction
- Alarm buzzers
- Overheat
- Engine coolant pressure
- Engine coolant level
- Fuel temperature
- Engine oil pressure
- Engine oil temperature
- Air intake manifold temperature
- Crankcase pressure
- Pump transmission oil level
- Hydraulic oil level
- Stop valve close
- Fast-filling system panel position
- Stairway position
- Electric lever fault

#### Data Logging System
- Data-Logging Unit (DLU) continuously records the performance of the engine and the hydraulic system; data can be downloaded by PC

#### Communication system**
- Satellite data-transmitting system
- WIU (Wireless Interface Unit)

#### Lights
- 9 high-brightness (HID) working lights
- 7 entrance lights
- 3 maintenance lights
- 2 cab lights

#### Miscellaneous
- ISO conforming stairs and handrails
- Recirculation air filter for air conditioner
- Ventilation air filter for air conditioner
- I2-V power terminal board
- Stop valve for transport and reassembly
- Lincoln auto-lubrication system for front-attachment pins, swing bearing, and center joint
- Fast-fill fixed panel with Wiggins coupler for fuel, engine oil, engine coolant, grease, pump transmission oil, and swing device oil
- Camera monitor system
- 4 cameras and 2 color monitors

#### Optional Equipment
- Cold-weather package*
- Travel motor guard
- Travel device guard
- 3rd Party Fleet Management Interface Connection Kit
- High elevation application*

*Engineered on request.
**The availability of the system depends on licensing regulations in each country.

See your Hitachi dealer for further information.