BUCKET CAPACITY:
BACKHOE (SAE) (HEAPED): 43.0 m³ (56.2 cu. yd.)
SHOVEL (HEAPED): 40.0 m³ (52.3 cu. yd.)

OPERATING WEIGHT:
BACKHOE: 837 000 kg (1,845,269 lb.)
SHOVEL: 825 000 kg (1,818,814 lb.)

RATED POWER:
2 x 1450 kW (2 x 1,944 hp)
At Hitachi, we don’t get sidetracked building every kind of construction and mining equipment. Instead, we focus on trucks and excavators. It’s that focus, combined with our technological expertise, that gives you efficient, reliable and durable machines.

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 EX8000-6, are engineered to give you the flexibility to handle all kinds of jobs. You get strong horsepower, efficient engines, comfortable cabs, advanced hydraulics, tough frames and powerful arm- and bucket-digging forces.

It all adds up to more productivity and more...
### 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></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td><strong>Shovel</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EH4000AC-3</td>
<td>222 tonnes</td>
<td>40-m³ (52.3 cu. yd.)</td>
<td>🐘</td>
</tr>
<tr>
<td></td>
<td>(245 tons)</td>
<td>Bucket</td>
<td></td>
</tr>
<tr>
<td>EH5000AC-3</td>
<td>296 tonnes</td>
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<td>🐘</td>
</tr>
<tr>
<td></td>
<td>(326 tons)</td>
<td>Bucket</td>
<td></td>
</tr>
<tr>
<td><strong>Backhoe</strong></td>
<td></td>
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<td></td>
<td>(326 tons)</td>
<td>Bucket</td>
<td></td>
</tr>
</tbody>
</table>
WORK ANYWHERE, ANYTIME.

SUPERSIZE PRODUCTION.

Tough job? Bring it on. No job is too big for the EX8000-6, our largest excavator. Fuel-efficient, twin Cummins QSK60C engines provide 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, combined bucket-tilt, boom-raise and fast pass speeds, which delivers quicker loading times. Additionally, you get a stronger boom and bigger bucket for increased lift capacity. The EX8000-6 pairs well with the EH4000AC-3 and EH5000AC-3 Trucks, and is available in backhoe and front-shovel configurations. Add the EX8000-6 to your fleet, and you get...

BIG-TIME PRODUCTIVITY.

■ Flow-Assisting Circuit.
Using the meter-in valves, ample-capacity make-up valves and flow-assisting pumps, the flow speed is increased in cylinders for dynamic actions, like between dumping and digging.

■ 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.

■ Powerful Engines.
Tackle any job with twin Cummins QSK60C diesel engines that meet U.S. EPA Tier 2 emission regulations.
Tough jobs demand extremely durable excavators. And the EX8000-6 is designed and built with strength you can count on. Toughness is built-in with the rigid box design; cast steel, center track frame; rugged lower rollers; track links and drive tumblers. Constant correct track tension reduces damage and downtime. Flow-retarding control for arm/bucket roll-in and roll-out at cylinder stroke ends improves controllability and helps extend service life. Strategically positioned oil coolers and high-pressure filters simplifies maintenance to give you more uptime. Add it all up, and the EX8000-6 is...

- The rigid box design resists bending and twisting forces, giving you stability and strength on any job.
- Rugged lower rollers, track shoes and drive tumblers sustain the giant body for increased durability.
- The cast steel, center track frame can avoid stress concentration and increase reliability.

TOUGH ENOUGH FOR YOUR TOUGHEST JOBS.

ROCK-SOLID RELIABILITY.

BUILT TO PERFORM, BUILT TO LAST.
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.

Flow-retarding control at cylinder stroke ends improves controllability and helps extend service life. This mechanism is provided for arm/bucket roll-in and roll-out.

Three oil coolers are strategically positioned far from the engine radiator for even better cooling potential.

High-pressure filters are located down-line from the pumps for easy maintenance.
The high-visibility, nine-meter (29 ft. 6 in.) cab height provides a clear view of the work site – even when loading the largest 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 air-suspension, multi-position seat can be customized to the operator’s needs and seat can be adjusted to accommodate the operator’s weight and personal preference.

The well-insulated, pressurized cab keeps out dust and is air conditioned.
As excavator experts, we’ve designed the EX8000-6 cab 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 EX8000-6, you get...

**MORE COMFORT, MORE PRODUCTIVITY.**

- Plenty of utility space located behind the operator seat allows for 24-hour operation. The space can accommodate a table, electric oven and refrigerator.
- Electric joystick control levers provide precise and almost effortless operation.
- The multi-display 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.
- Four optional outside cameras can be mounted around the machine for enhanced visibility – virtually eliminating blind spots.

**SAFE AND EFFICIENT CABS.**
MINING EXCAVATOR

MINIMAL MAINTENANCE, MAXIMUM PERFORMANCE.

REDUCE DOWNTIME, SAVE MONEY.

As our biggest excavator, the EX8000-6 provides big advantages when it comes to easy, quick maintenance. Simple servicing, inspection and cleaning reduces costs and lets you get back to work faster. This excavator is loaded with time- and money-saving maintenance features like 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 EX8000-6, you always get...

EASY, COST-SAVING MAINTENANCE.

- Folding stairs with wide steps allow for easy accessibility, servicing and maintenance.
- Convenient Centralized Filter System designed to make filter inspection and maintenance easier.
- The auto-lubrication system for the front joint pins and swing circle saves service time.
- A contamination sensor alerts the operator of accumulated contaminants in the oil before damage might occur.
COST-SAVING

- Ejectors automatically expel dust from the air cleaners, giving you one less routine-maintenance task.
- A protective steel barrier between the engine and pump bulkhead contributes to lower heat and less potential for damage.
FOCUSED ON YOU,
NO DISTRACTIONS.

SUPPORTING YOUR BOTTOM LINE.

It can be frustrating when you need service or parts – especially when you can’t get them quickly because the manufacturer is distracted dealing with all kinds of other equipment customers.

At Hitachi, we concentrate on excavators and trucks. So you can count on us to respond rapidly. 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. Because we’re focused on you, you get...

WHAT YOU NEED, WHEN YOU NEED IT.

**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 EX8000-6 SPECS

### Engine
- **Manufacturer and Model:** Cummins QSKTA60-CE
- **Type:** 4 cycle
- **Aspiration:** Water-cooled, 16-cylinder, turbocharged and aftercooled, direct-injection chamber-type diesel engine
- **Rating:**
  - **Emission certification:** U.S. EPA Tier 2
  - **Rated continuous output:** 1200 kW x 2
  - **Voltage:** AC 6000 - 6600 V / 50 Hz
  - **Gross (SAE J1995):** 2 x 1450 kW (2 x 1,944 hp) @ 1800 min⁻¹ (rpm)
  - **Net:** 2 x 1450 kW (2 x 1,944 hp) @ 1800 min⁻¹ (rpm)
  - **Maximum torque:** 2 x 8364 Nm (2 x 853 kgf-m) @ 1500 min⁻¹ (rpm)
  - **Piston displacement:** 2 x 60L (3,661 cu. in.)
  - **Bore and stroke:** 159 mm x 190 mm (6.3 in. x 7.5 in.)
  - **Starting system:** 24 V electric motor
  - **Batteries:** 8 x 12 V, 8 x 220 AH

### Electric Motor
- **Manufacturer and Model:** HITACHI TFOA-KK
- **Type:** High voltage, three-phase, squirrel cage induction motor, totally enclosed air-to-air-cooled (TEAAC).
- **Rating:**
  - **Rated continuous output:** 1200 kW x 2
  - **Voltage:** AC 6600 - 6900 V / 60 Hz
  - **Number of poles:** 4
  - **Synchronous RPM:** 1500 min⁻¹ / 50 Hz
  - **1800 min⁻¹ / 60 Hz
  - **Rated current:** 24 A x 2 @ 6600 V
  - **Insulation class:** F class B raise
  - **Space heater included
  - **Thermo-guard (temperature detector)**
  - **Starting condition:** Reactor 50% tap

### 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 operation mode selectable among 3 power modes depending on type of job.
  - **Integrated Optimum**
  - **Hydraulic System (I-OHS)**
  - **LD:** 16 main pumps, 6 control valves and 2 sets of flow-assisting valves enable both independent and combined operations of all functions
  - **BH:** 16 main pumps and 8 control valves
- **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**
  - I6 variable-displacement, axial piston pumps for front attachment, travel and swing
  - **Maximum oil flow:** 16 x 500 L/min (16 x 132.1 gal./min.)
- **Pilot Pump**
  - **Gear pump (2)**
  - **Maximum oil flow:** 2 x 110 L/min (2 x 29.06 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:** 4.4 MPa (45 kgf/cm²) (640 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**

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<thead>
<tr>
<th>Engine</th>
<th>EX8000-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer and Model</td>
<td>Cummins QSKTA60-CE</td>
</tr>
<tr>
<td>Type</td>
<td>4 cycle</td>
</tr>
<tr>
<td>Aspiration</td>
<td>Water-cooled, 16-cylinder, turbocharged and aftercooled, direct-injection chamber-type diesel engine</td>
</tr>
<tr>
<td>Emission certification</td>
<td>U.S. EPA Tier 2</td>
</tr>
<tr>
<td>Rated power</td>
<td>1200 kW x 2</td>
</tr>
<tr>
<td>Gross (SAE J1995)</td>
<td>2 x 1450 kW (2 x 1,944 hp) @ 1800 min⁻¹ (rpm)</td>
</tr>
<tr>
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<tr>
<td>Maximum torque</td>
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<tr>
<td>Starting system</td>
<td>24 V electric motor</td>
</tr>
<tr>
<td>Batteries</td>
<td>8 x 12 V, 8 x 220 AH</td>
</tr>
<tr>
<td>Cold starting</td>
<td>Ether aided</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electric Motor</th>
<th>EX8000E-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer and Model</td>
<td>HITACHI TFOA-KK</td>
</tr>
<tr>
<td>Type</td>
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</tr>
<tr>
<td>Rated continuous output</td>
<td>1200 kW x 2</td>
</tr>
<tr>
<td>Voltage</td>
<td>AC 6000 - 6600 V / 50 Hz</td>
</tr>
<tr>
<td>AC 6600 - 6900 V / 60 Hz</td>
<td></td>
</tr>
<tr>
<td>Number of poles</td>
<td>4</td>
</tr>
<tr>
<td>Synchronous RPM</td>
<td>1500 min⁻¹ / 50 Hz</td>
</tr>
<tr>
<td>1800 min⁻¹ / 60 Hz</td>
<td></td>
</tr>
<tr>
<td>Rated current</td>
<td>24 A x 2 @ 6600 V</td>
</tr>
<tr>
<td>Insulation class</td>
<td>F class B raise</td>
</tr>
<tr>
<td>Space heater included</td>
<td></td>
</tr>
<tr>
<td>Thermo-guard (temperature detector)</td>
<td></td>
</tr>
<tr>
<td>Starting condition</td>
<td>Reactor 50% tap</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Relief Valve Settings</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Implement circuit</td>
<td>29.4 MPa (300 kgf/cm²) (4,264 psi)</td>
</tr>
<tr>
<td>Travel circuit</td>
<td>29.4 MPa (300 kgf/cm²) (4,264 psi)</td>
</tr>
<tr>
<td>Swing circuit</td>
<td>29.4 MPa (300 kgf/cm²) (4,264 psi)</td>
</tr>
<tr>
<td>Pilot circuit</td>
<td>4.4 MPa (45 kgf/cm²) (640 psi)</td>
</tr>
</tbody>
</table>

**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.
**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.

**SPECS**

### Cylinder Dimensions (Backhoe) EX8000-6

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Bore</th>
<th>Rod Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>2</td>
<td>480 mm (18.9 in.)</td>
</tr>
<tr>
<td>Arm</td>
<td>2</td>
<td>420 mm (16.5 in.)</td>
</tr>
<tr>
<td>Bucket</td>
<td>2</td>
<td>360 mm (14.2 in.)</td>
</tr>
</tbody>
</table>

### Cylinder Dimensions (Loading Shovel)

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Bore</th>
<th>Rod Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>2</td>
<td>480 mm (18.9 in.)</td>
</tr>
<tr>
<td>Arm</td>
<td>2</td>
<td>390 mm (15.4 in.)</td>
</tr>
<tr>
<td>Bucket</td>
<td>2</td>
<td>390 mm (15.4 in.)</td>
</tr>
<tr>
<td>Dump</td>
<td>2</td>
<td>310 mm (12.2 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>10</td>
<td>16</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>10 µm</td>
<td>80 meshes</td>
<td>10 µm</td>
<td>5 µm</td>
<td>10 µm</td>
</tr>
</tbody>
</table>

**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
Upperstructure

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. Folding stairs provide easy access to the deck machinery.
- And also the side walk provides easy access to motors, hydraulic and electrical components.

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Main Motor x 2</td>
</tr>
<tr>
<td>2</td>
<td>Coupler x 2</td>
</tr>
<tr>
<td>3</td>
<td>Pump Drive Unit x 2</td>
</tr>
<tr>
<td>4</td>
<td>Hydraulic Pump x 16</td>
</tr>
<tr>
<td>5</td>
<td>Hydraulic Oil Cooling Fan Motor x 3</td>
</tr>
<tr>
<td>6</td>
<td>Lubricator</td>
</tr>
<tr>
<td>7</td>
<td>Control Valve x 6</td>
</tr>
<tr>
<td>8</td>
<td>Swing Device x 6</td>
</tr>
<tr>
<td>9</td>
<td>Center Joint</td>
</tr>
<tr>
<td>10</td>
<td>Cab</td>
</tr>
<tr>
<td>11</td>
<td>Air Filter x 4</td>
</tr>
<tr>
<td>12</td>
<td>Muffler x 4</td>
</tr>
<tr>
<td>13</td>
<td>Folding Stairs</td>
</tr>
<tr>
<td>14</td>
<td>Fan Motor x 8</td>
</tr>
<tr>
<td>15</td>
<td>Battery Unit</td>
</tr>
<tr>
<td>16</td>
<td>Reserve Tank (engine oil) x 2</td>
</tr>
<tr>
<td>17</td>
<td>Reserve Tank (coolant) x 2</td>
</tr>
<tr>
<td>18</td>
<td>Pump Mission Oil Cooler x 2</td>
</tr>
<tr>
<td>19</td>
<td>Fuel Cooler x 2</td>
</tr>
<tr>
<td>20</td>
<td>Engine Room Cooling Fan x 2</td>
</tr>
</tbody>
</table>

DECK MACHINERY FOR DIESEL ENGINE MACHINE

DECK MACHINERY FOR ELECTRIC MOTOR MACHINE
Swing Device — EX8000-6

6 high-torque, axial-piston motors with 2-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 ll (ISO), helps protect the operator from falling objects. 1800 mm (5 ft. 11 in.) width, 3360 mm (11 ft.) length, 2150 mm (7 ft. 1 in.) height, roomy cab with tinted-glass windows features all-around visibility. 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
75 dB(A) in the cab at maximum engine speed under no-load condition

Eye-level height
9000 mm (29 ft. 6 in.)

Undercarriage

Tracks


Shovel-Type Undercarriage

Triple grouser shoes specially heat treated cast steel

Shoe width
1850 mm (6 ft. 1 in.)

Number of Rollers and Shoes

(each side)

Upper rollers
3
Lower rollers
7
Track shoes
39

Travel Device

Each track driven by high-torque, axial piston motors, allowing counter rotation of tracks. 2-stage planetary gear plus spur gears reduction device. Dual-support-type traction device. Parking brake of springset/hydraulic-released disc type. This parking brake can be manually releasable.

Travel speeds
High: 0 – 2.0 km/h (0 – 1.2 mph)
Low: 0 – 1.4 km/h (0 – 0.9 mph)

Maximum traction force
3000 kN / 305 914 kgf (674,425 lbf.)

Gradeability
58% (30°) maximum

Weights and Ground Pressure

Loading Shovel

Equipped with 40-m³ (52.3 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>1850 mm</td>
<td>825 000 kg (1,818,814 lb.)</td>
<td>248 kPa (2.53 kgf/cm²) (36 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>1850 mm</td>
<td>808 000 kg (1,791,335 lb.)</td>
<td>243 kPa (2.48 kgf/cm²) (35.2 psi)</td>
</tr>
</tbody>
</table>

Backhoe

Equipped with II.5-m (37 ft. 9 in.) boom, 5.8-m (19 ft.) arm, and 43-m³ (56.2 cu. yd.) (SAE heaped 1:1) bucket.

Diesel Engine

<table>
<thead>
<tr>
<th>Shoe Type</th>
<th>Shoe Width</th>
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<td>1850 mm</td>
<td>837 000 kg (1,845,269 lb.)</td>
<td>252 kPa (2.57 kgf/cm²) (36.5 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>1850 mm</td>
<td>820 000 kg (1,807,791 lb.)</td>
<td>247 kPa (2.52 kgf/cm²) (35.8 psi)</td>
</tr>
</tbody>
</table>

Service Refill Capacities

<table>
<thead>
<tr>
<th>Diesel Powered</th>
<th>Electric Powered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>14 900 L (3,936.2 gal.)</td>
</tr>
<tr>
<td>Engine coolant</td>
<td>2 x 614 L (162.2 gal.)</td>
</tr>
<tr>
<td>Engine oil</td>
<td>2 x 260 L (68.7 gal.)</td>
</tr>
<tr>
<td>Engine oil pan</td>
<td>2 x 260 L (68.7 gal.)</td>
</tr>
<tr>
<td>Reserve tank</td>
<td>2 x 260 L (74 gal.)</td>
</tr>
<tr>
<td>Pump transmission device</td>
<td>2 x 260 L (74 gal.)</td>
</tr>
<tr>
<td>Swing device</td>
<td>6 x 75 L (19.8 gal.)</td>
</tr>
<tr>
<td>Travel device</td>
<td>2 x 490 L (129.4 gal.)</td>
</tr>
<tr>
<td>Hydraulic system</td>
<td>9700 L (2,562.5 gal.)</td>
</tr>
<tr>
<td>Hydraulic oil tank</td>
<td>3890 L (1,027.6 gal.)</td>
</tr>
</tbody>
</table>
Bucket

Boom and arm are of all-welded, low-stress, high-tensile strength steel full-box section design.

Capacity (heaped)  Weight  Type
40.0 m³ (52.3 cu. yd.)  62 500 kg (137,789 lb.)  Bottom-dump-type general purpose

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 (heaped)</th>
<th>Width (with side cutters)</th>
<th>Number of Teeth</th>
<th>Weight</th>
<th>Type</th>
<th>Materials density</th>
</tr>
</thead>
<tbody>
<tr>
<td>43.0 m³ (56.2 cu. yd.)</td>
<td>4850 mm (16 ft. 11 in.)</td>
<td>6</td>
<td>44 200 kg (97,444 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.
### Upperstructure (continued)

<table>
<thead>
<tr>
<th>Assembly</th>
<th>Weight (lbs.)</th>
<th>Width (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HYDRAULIC-OIL SUCTION DEVICE</strong></td>
<td>42</td>
<td>196 (8 in.)</td>
</tr>
<tr>
<td><strong>ENGINE UNIT (RIGHT)</strong></td>
<td>42 700</td>
<td>2800 (9 ft. 2 in.)</td>
</tr>
<tr>
<td><strong>MUFFLERS AND AIR CLEANERS ASSEMBLY</strong></td>
<td>6510</td>
<td>2960 (9 ft. 5 in.)</td>
</tr>
<tr>
<td><strong>GREASE TANK</strong></td>
<td>1200</td>
<td>150 (3 ft. 9 in.)</td>
</tr>
<tr>
<td><strong>WATER TANK</strong></td>
<td>120</td>
<td>913 (3 ft.)</td>
</tr>
<tr>
<td><strong>RETURN PIPING ASSEMBLY</strong></td>
<td>172</td>
<td>400 (16 in.)</td>
</tr>
<tr>
<td><strong>WEIGHT (RIGHT)</strong></td>
<td>9950</td>
<td>610 (24 in.)</td>
</tr>
<tr>
<td><strong>WEIGHT (LEFT)</strong></td>
<td>9950</td>
<td>610 (24 in.)</td>
</tr>
<tr>
<td><strong>COUNTERWEIGHT (RIGHT)</strong></td>
<td>29 500</td>
<td>1530 (5 ft.)</td>
</tr>
<tr>
<td><strong>COUNTERWEIGHT (LEFT)</strong></td>
<td>29 500</td>
<td>1520 (5 ft.)</td>
</tr>
<tr>
<td><strong>ENGINE UNIT (LEFT)</strong></td>
<td>36 600</td>
<td>10360 (34 ft.)</td>
</tr>
<tr>
<td><strong>BATTERY BOX</strong></td>
<td>1280</td>
<td>1480 (4 ft. 10 in.)</td>
</tr>
<tr>
<td><strong>VALVE ASSEMBLY</strong></td>
<td>5380</td>
<td>3160 (10 ft. 4 in.)</td>
</tr>
<tr>
<td><strong>SWING DEVICE</strong></td>
<td>1660</td>
<td>1300 (4 ft. 3 in.)</td>
</tr>
<tr>
<td><strong>WATER TANK</strong></td>
<td>120</td>
<td>913 (3 ft.)</td>
</tr>
</tbody>
</table>

### Dimensions

- **HYDRAULIC-OIL SUCTION DEVICE**: 495 mm (19 in.), 445 mm (17 in.), 2100 mm (6 ft. 11 in.).
- **ENGINE UNIT (RIGHT)**: 360 mm (14 in.), 2440 mm (8 ft. 0 in.), 1330 mm (4 ft. 4 in.), 717 mm (28 in.).
- **MUFFLERS AND AIR CLEANERS ASSEMBLY**: 3220 mm (10 ft. 7 in.), 2440 mm (8 ft.).
- **GREASE TANK**: 1440 mm (4 ft. 9 in.), 1330 mm (4 ft. 4 in.), 2440 mm (8 ft.).
- **WATER TANK**: 717 mm (28 in.), 662 mm (26 in.), 717 mm (28 in.).
- **RETURN PIPING ASSEMBLY**: 120 mm (4.7 in.), 2100 mm (6 ft. 11 in.).
- **WEIGHT (RIGHT)**: 610 mm (24 in.), 2750 mm (9 ft.), 2750 mm (9 ft.).
- **WEIGHT (LEFT)**: 610 mm (24 in.), 2750 mm (9 ft.), 2750 mm (9 ft.).
- **COUNTERWEIGHT (RIGHT)**: 5900 mm (19 ft. 6 in.), 5900 mm (19 ft. 6 in.).
- **COUNTERWEIGHT (LEFT)**: 5900 mm (19 ft. 6 in.), 5900 mm (19 ft. 6 in.).

### Special Notes

- **WEIGHT (RIGHT)** and **WEIGHT (LEFT)** have the same dimensions.
- **COUNTERWEIGHT (RIGHT)** and **COUNTERWEIGHT (LEFT)** have the same dimensions.

---

*SPECS*  
**TRANSPORTATION**  

---

21
### Upperstructure (continued) **EX8000-6**

<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>Cover</td>
<td>1</td>
<td>1790 mm (5 ft. 10 in.)</td>
<td>485 mm (19 in.)</td>
<td>970 mm (3 ft. 2 in.)</td>
<td>59 kg (130 lb.)</td>
</tr>
<tr>
<td>Fender 1</td>
<td>1</td>
<td>3015 mm (9 ft. 11 in.)</td>
<td>1480 mm (4 ft. 10 in.)</td>
<td>950 mm (3 ft. 1 in.)</td>
<td>695 kg (1,532 lb.)</td>
</tr>
<tr>
<td>Fender 2</td>
<td>1</td>
<td>1720 mm (5 ft. 8 in.)</td>
<td>689 mm (27 in.)</td>
<td>2440 mm (8 ft.)</td>
<td>190 kg (420 lb.)</td>
</tr>
<tr>
<td>Fender 3</td>
<td>1</td>
<td>1070 mm (4 ft. 2 in.)</td>
<td>476 mm (18 in.)</td>
<td>1950 mm (6 ft. 5 in.)</td>
<td>145 kg (320 lb.)</td>
</tr>
<tr>
<td>Fender 4</td>
<td>1</td>
<td>2000 mm (6 ft. 7 in.)</td>
<td>675 mm (27 in.)</td>
<td>1950 mm (6 ft. 5 in.)</td>
<td>301 kg (664 lb.)</td>
</tr>
<tr>
<td>Fender 5</td>
<td>1</td>
<td>2470 mm (8 ft. 1 in.)</td>
<td>675 mm (27 in.)</td>
<td>1950 mm (6 ft. 5 in.)</td>
<td>226 kg (498 lb.)</td>
</tr>
<tr>
<td>Fender 6</td>
<td>1</td>
<td>2200 mm (7 ft. 3 in.)</td>
<td>682 mm (27 in.)</td>
<td>1950 mm (6 ft. 5 in.)</td>
<td>233 kg (514 lb.)</td>
</tr>
<tr>
<td>Fender 7</td>
<td>1</td>
<td>2510 mm (8 ft. 3 in.)</td>
<td>675 mm (27 in.)</td>
<td>2440 mm (8 ft.)</td>
<td>248 kg (547 lb.)</td>
</tr>
<tr>
<td>Fender 8</td>
<td>1</td>
<td>2580 mm (8 ft. 6 in.)</td>
<td>677 mm (27 in.)</td>
<td>1950 mm (6 ft. 5 in.)</td>
<td>290 kg (639 lb.)</td>
</tr>
<tr>
<td>Handrail 1</td>
<td>1</td>
<td>2030 mm (6 ft. 8 in.)</td>
<td>420 mm (17 in.)</td>
<td>1430 mm (4 ft. 8 in.)</td>
<td>28 kg (62 lb.)</td>
</tr>
<tr>
<td>Handrail 2</td>
<td>1</td>
<td>2540 mm (8 ft. 4 in.)</td>
<td>573 mm (23 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>71 kg (157 lb.)</td>
</tr>
<tr>
<td>Handrail 3</td>
<td>1</td>
<td>2630 mm (8 ft. 6 in.)</td>
<td>247 mm (10 in.)</td>
<td>1300 mm (4 ft. 1 in.)</td>
<td>31 kg (68 lb.)</td>
</tr>
<tr>
<td>Handrail 4</td>
<td>1</td>
<td>1430 mm (4 ft. 8 in.)</td>
<td>354 mm (14 in.)</td>
<td>2030 mm (6 ft. 7 in.)</td>
<td>20 kg (44 lb.)</td>
</tr>
<tr>
<td>Handrail 5</td>
<td>1</td>
<td>1340 mm (4 ft. 5 in.)</td>
<td>684 mm (27 in.)</td>
<td>992 mm (3 ft. 3 in.)</td>
<td>24 kg (53 lb.)</td>
</tr>
<tr>
<td>Handrail 6</td>
<td>1</td>
<td>2540 mm (8 ft. 4 in.)</td>
<td>370 mm (14 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>71 kg (157 lb.)</td>
</tr>
<tr>
<td>Handrail 7</td>
<td>1</td>
<td>2180 mm (7 ft. 2 in.)</td>
<td>83 mm (3 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>28 kg (62 lb.)</td>
</tr>
<tr>
<td>Handrail 8</td>
<td>2</td>
<td>2660 mm (8 ft. 9 in.)</td>
<td>266 mm (10 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>35 kg (77 lb.)</td>
</tr>
<tr>
<td>Handrail 9</td>
<td>1</td>
<td>2480 mm (8 ft. 2 in.)</td>
<td>223 mm (9 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>30 kg (66 lb.)</td>
</tr>
<tr>
<td>Handrail 10</td>
<td>2</td>
<td>2240 mm (7 ft. 4 in.)</td>
<td>283 mm (11 in.)</td>
<td>1010 mm (3 ft. 4 in.)</td>
<td>19 kg (42 lb.)</td>
</tr>
<tr>
<td>Handrail 11</td>
<td>2</td>
<td>2960 mm (9 ft. 9 in.)</td>
<td>467 mm (18 in.)</td>
<td>1310 mm (4 ft. 4 in.)</td>
<td>27 kg (60 lb.)</td>
</tr>
<tr>
<td>Step 1</td>
<td>1</td>
<td>392 mm (15 in.)</td>
<td>837 mm (33 in.)</td>
<td>1560 mm (5 ft. 1 in.)</td>
<td>30 kg (66 lb.)</td>
</tr>
<tr>
<td>Step 2</td>
<td>1</td>
<td>2240 mm (7 ft. 4 in.)</td>
<td>700 mm (28 in.)</td>
<td>1310 mm (4 ft. 4 in.)</td>
<td>10 kg (24 lb.)</td>
</tr>
<tr>
<td>Step 3</td>
<td>1</td>
<td>1450 mm (4 ft. 9 in.)</td>
<td>711 mm (28 in.)</td>
<td>1500 mm (5 ft. 3 in.)</td>
<td>87 kg (192 lb.)</td>
</tr>
<tr>
<td>Step 4</td>
<td>1</td>
<td>1020 mm (3 ft. 4 in.)</td>
<td>734 mm (29 in.)</td>
<td>1270 mm (4 ft. 9 in.)</td>
<td>73 kg (164 lb.)</td>
</tr>
<tr>
<td>Step 5</td>
<td>1</td>
<td>3100 mm (10 ft. 2 in.)</td>
<td>566 mm (22 in.)</td>
<td>1260 mm (4 ft. 1 in.)</td>
<td>163 kg (359 lb.)</td>
</tr>
<tr>
<td>Step 6</td>
<td>1</td>
<td>1930 mm (6 ft. 4 in.)</td>
<td>700 mm (28 in.)</td>
<td>2090 mm (6 ft. 10 in.)</td>
<td>124 kg (273 lb.)</td>
</tr>
<tr>
<td>Step 7</td>
<td>1</td>
<td>2340 mm (7 ft. 8 in.)</td>
<td>700 mm (28 in.)</td>
<td>3310 mm (10 ft. 10 in.)</td>
<td>232 kg (514 lb.)</td>
</tr>
<tr>
<td>Step 8</td>
<td>1</td>
<td>3180 mm (10 ft. 6 in.)</td>
<td>596 mm (23 in.)</td>
<td>1260 mm (4 ft. 2 in.)</td>
<td>186 kg (410 lb.)</td>
</tr>
<tr>
<td>Step 9</td>
<td>1</td>
<td>1440 mm (4 ft. 9 in.)</td>
<td>859 mm (34 in.)</td>
<td>1300 mm (4 ft. 3 in.)</td>
<td>142 kg (313 lb.)</td>
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<tr>
<td>Step 10</td>
<td>1</td>
<td>1610 mm (5 ft. 3 in.)</td>
<td>1230 mm (4 ft.)</td>
<td>1330 mm (4 ft. 4 in.)</td>
<td>188 kg (410 lb.)</td>
</tr>
<tr>
<td>Step 11</td>
<td>1</td>
<td>1480 mm (4 ft. 11 in.)</td>
<td>1020 mm (3 ft. 4 in.)</td>
<td>1330 mm (4 ft. 4 in.)</td>
<td>101 kg (223 lb.)</td>
</tr>
<tr>
<td>Step 12</td>
<td>1</td>
<td>1020 mm (4 ft. 4 in.)</td>
<td>1460 mm (4 ft. 8 in.)</td>
<td>1310 mm (4 ft. 4 in.)</td>
<td>164 kg (368 lb.)</td>
</tr>
<tr>
<td>Step 13</td>
<td>1</td>
<td>1660 mm (5 ft. 5 in.)</td>
<td>672 mm (26 in.)</td>
<td>1310 mm (4 ft. 4 in.)</td>
<td>120 kg (265 lb.)</td>
</tr>
<tr>
<td>Step 14</td>
<td>1</td>
<td>636 mm (25 in.)</td>
<td>1030 mm (3 ft. 5 in.)</td>
<td>1310 mm (4 ft. 4 in.)</td>
<td>76 kg (168 lb.)</td>
</tr>
<tr>
<td>Step 15</td>
<td>1</td>
<td>990 mm (3 ft. 3 in.)</td>
<td>736 mm (29 in.)</td>
<td>1350 mm (4 ft. 5 in.)</td>
<td>86 kg (190 lb.)</td>
</tr>
<tr>
<td>Step 16</td>
<td>1</td>
<td>394 mm (15 in.)</td>
<td>652 mm (26 in.)</td>
<td>1590 mm (5 ft. 3 in.)</td>
<td>61 kg (134 lb.)</td>
</tr>
<tr>
<td>Step 17</td>
<td>1</td>
<td>1120 mm (3 ft. 8 in.)</td>
<td>734 mm (29 in.)</td>
<td>1300 mm (4 ft. 3 in.)</td>
<td>73 kg (161 lb.)</td>
</tr>
<tr>
<td>Step 18</td>
<td>1</td>
<td>1480 mm (4 ft. 10 in.)</td>
<td>700 mm (28 in.)</td>
<td>1600 mm (5 ft. 3 in.)</td>
<td>87 kg (192 lb.)</td>
</tr>
<tr>
<td>Step 19</td>
<td>1</td>
<td>2510 mm (8 ft. 3 in.)</td>
<td>772 mm (30 in.)</td>
<td>1310 mm (4 ft. 4 in.)</td>
<td>127 kg (280 lb.)</td>
</tr>
<tr>
<td>Step assembly I</td>
<td>1</td>
<td>3370 mm (11 ft. 1 in.)</td>
<td>225 mm (9 in.)</td>
<td>15000 mm (50 ft. 2 in.)</td>
<td>284 kg (626 lb.)</td>
</tr>
<tr>
<td>Step assembly 2</td>
<td>1</td>
<td>3370 mm (11 ft. 1 in.)</td>
<td>125 mm (5 in.)</td>
<td>683 mm (27 in.)</td>
<td>191 kg (421 lb.)</td>
</tr>
<tr>
<td>Ladderbox</td>
<td>1</td>
<td>1850 mm (5 ft. 5 in.)</td>
<td>1750 mm (5 ft. 9 in.)</td>
<td>1900 mm (6 ft. 3 in.)</td>
<td>812 kg (1,790 lb.)</td>
</tr>
<tr>
<td>Ladder 1</td>
<td>1</td>
<td>3590 mm (11 ft. 9 in.)</td>
<td>1100 mm (3 ft. 7 in.)</td>
<td>2140 mm (7 ft.)</td>
<td>897 kg (2,057 lb.)</td>
</tr>
<tr>
<td>Ladder 2</td>
<td>1</td>
<td>717 mm (28 in.)</td>
<td>265 mm (10 in.)</td>
<td>1790 mm (5 ft. 10 in.)</td>
<td>26 kg (57 lb.)</td>
</tr>
</tbody>
</table>
**Undercarriage**

- **MOTOR COVER STAY**
  - Weight: 161 kg (355 lb.)
  - Width: 125 mm (5 in.)

- **TRACK SIDE FRAMES**
  - Weight: 63,600 kg (140,214 lb.) x 2
  - Width: 1,862 mm (6 ft. 1 in.)

- **TRAVEL DEVICES**
  - Weight: 10,800 kg (23,810 lb.) x 2
  - Width: 1,970 mm (6 ft. 6 in.)

- **TRACK FRAME ASSEMBLY**
  - Weight: 60,000 kg (132,277 lb.)
  - Width: 7,210 mm (23 ft. 8 in.)

- **VALVE BRAKES**
  - Weight: 60 kg (132 lb.) x 4
  - Width: 252 mm (10 in.)

- **SWING CIRCLE**
  - Weight: 22,000 kg (48,502 lb.)
  - Width: 4,670 mm (15 ft. 4 in.)

<table>
<thead>
<tr>
<th>Other parts</th>
<th>Quantity</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cover 1</td>
<td>1</td>
<td>750 mm</td>
<td>511 mm</td>
<td>2,380 mm</td>
<td>69 kg</td>
</tr>
<tr>
<td>Cover 2</td>
<td>2</td>
<td>725 mm</td>
<td>511 mm</td>
<td>2,380 mm</td>
<td>66 kg</td>
</tr>
<tr>
<td>Cover 3</td>
<td>1</td>
<td>1,045 mm</td>
<td>511 mm</td>
<td>2,380 mm</td>
<td>103 kg</td>
</tr>
<tr>
<td>Cover 4</td>
<td>1</td>
<td>1,083 mm</td>
<td>511 mm</td>
<td>2,802 mm</td>
<td>138 kg</td>
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<tr>
<td>Cover 5</td>
<td>8</td>
<td>495 mm</td>
<td>290 mm</td>
<td>505 mm</td>
<td>22 kg</td>
</tr>
<tr>
<td>Cover 6</td>
<td>8</td>
<td>495 mm</td>
<td>290 mm</td>
<td>505 mm</td>
<td>22 kg</td>
</tr>
<tr>
<td>Cover 7</td>
<td>4</td>
<td>890 mm</td>
<td>611 mm</td>
<td>430 mm</td>
<td>22 kg</td>
</tr>
<tr>
<td>Ladder</td>
<td>1</td>
<td>460 mm</td>
<td>626 mm</td>
<td>2,160 mm</td>
<td>26 kg</td>
</tr>
<tr>
<td>Step</td>
<td>1</td>
<td>410 mm</td>
<td>415 mm</td>
<td>766 mm</td>
<td>35 kg</td>
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</tbody>
</table>
MINING EXCAVATOR

EX8000-6 SPECS

SWING CIRCLE
- Weight: 22,000 kg (48,502 lb.)
- Width: 4,670 mm (15 ft. 4 in.)
- Height: 3,760 mm (12 ft. 4 in.)
- Depth: 3,630 mm (11 ft. 11 in.)

MOTOR COVER STAY
- Weight: 161 kg (355 lb.)
- Width: 125 mm (5 in.)
- Height: 370 mm (15 in.)
- Depth: 5330 mm (17 ft. 6 in.)

TRACK FRAME ASSEMBLY
- Weight: 60,000 kg (132,277 lb.)
- Width: 7,210 mm (23 ft. 8 in.)
- Height: 2,390 mm (7 ft. 10 in.)
- Depth: 4,000 mm (13 ft. 2 in.)

VALVE BRAKES
- Weight: 60 kg (132 lb.) x 4
- Width: 252 mm (10 in.)
- Height: 276 mm (11 in.)
- Depth: 484 mm (19 in.)

TRACK SIDE FRAMES
- Weight: 63,600 kg (140,214 lb.) x 2
- Width: 1,862 mm (6 ft. 1 in.)
- Height: 9,810 mm (32 ft. 2 in.)
- Depth: 2,590 mm (8 ft. 6 in.)

TRACK LINKS
- Set A: Weight: 5,860 kg (12,919 lb.) x 18
  - Width: 440 mm (17 in.)
- Set B: Weight: 4,390 kg (9,678 lb.) x 2
  - Width: 440 mm (17 in.)

TRAVEL DEVICES
- Weight: 10,800 kg (23,810 lb.) x 2
- Width: 1,970 mm (6 ft. 6 in.)
- Height: 1,660 mm (5 ft. 5 in.)
- Depth: 1,660 mm (5 ft. 5 in.)

BOOM ASSEMBLY
- Weight: 57,200 kg (126,104 lb.)
- Width: 3,258 mm (10 ft. 8 in.)
- Height: 9,800 mm (32 ft. 2 in.)
- Depth: 3,650 mm (12 ft.)

ARM ASSEMBLY
- Weight: 31,100 kg (68,564 lb.)
- Width: 3,650 mm (12 ft.)
- Height: 9,800 mm (32 ft. 2 in.)
- Depth: 3,490 mm (11 ft. 5 in.)

BOOM CYLINDERS
- Weight: 9,720 kg (21,429 lb.) x 2
- Width: 760 mm (30 in.)
- Height: 5,942 mm (19 ft. 6 in.)
- Depth: 904 mm (3 ft.)

ARM CYLINDERS
- Weight: 5,020 kg (11,067 lb.) x 2
- Width: 725 mm (29 in.)
- Height: 4,920 mm (16 ft. 2 in.)
- Depth: 835 mm (33 in.)

BUCKET CYLINDERS
- Weight: 5,530 kg (12,192 lb.) x 2
- Width: 1,070 mm (3 ft. 6 in.)
- Height: 5,320 mm (17 ft. 5 in.)
- Depth: 703 mm (28 in.)

REAR BUCKET ASSEMBLY
- Weight: 32,800 kg (72,312 lb.)
- Width: 5,620 mm (18 ft. 5 in.)
- Height: 1,900 mm (6 ft. 3 in.)
- Depth: 4,280 mm (14 ft.)

FRONT BUCKET ASSEMBLY WITH SHROUDS
- Weight: 28,000 kg (57,320 lb.)
- Width: 5,630 mm (18 ft. 6 in.)
- Height: 3,510 mm (11 ft. 6 in.)
- Depth: 3,650 mm (12 ft.)

TEETH
- Weight: 352 kg (776 lb.) x 6
- Width: 430 mm (17 in.)
- Height: 758 mm (30 in.)
- Depth: 383 mm (15 in.)

LEADER ATTACHMENTS EX8000-6

Other parts Dimensions

<table>
<thead>
<tr>
<th>Content</th>
<th>Quantity</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handrail 1</td>
<td>2</td>
<td>1,980 (6 ft. 6 in.)</td>
<td>426 (17 in.)</td>
<td>1,010 (3 ft. 4 in.)</td>
<td>20 (44 lbs.)</td>
</tr>
<tr>
<td>Handrail 2</td>
<td>2</td>
<td>2,850 (9 ft. 4 in.)</td>
<td>275 (11 in.)</td>
<td>1,010 (3 ft. 4 in.)</td>
<td>33 (73 lbs.)</td>
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[^rotation]: true, [^rotation_correction]: 0, [^is_table]: false, [^is_diagram]: true
Backhoe Attachments  EX8000-6

**BOOM ASSEMBLY**
- Weight: 63,800 kg (140,655 lb.)
- Width: 3160 mm (10 ft. 4 in.)

**ARM CYLINDERS**
- Weight: 6,910 kg (15,207 lb.) x 2
- Width: 785 mm (31 in.)

**ARM ASSEMBLY**
- Weight: 57,600 kg (126,986 lb.)
- Width: 2580 mm (8 ft. 6 in.)

**BOOM CYLINDERS**
- Weight: 9,910 kg (21,848 lb.) x 2
- Width: 760 mm (30 in.)

*Estimated backhoe bucket dimensions. Hitachi estimates 43.0 m³ bucket in 1800 kg/cm² material density or less.*
### EX8000-6 SPECS

#### MINING EXCAVATOR

**EX8000-6 SPECS**

**MINING EXCAVATOR**

**EX8000-6 BE**

- **Unit:** 1000 kg (1,000 lb.)

#### LIFTING CAPACITIES

<table>
<thead>
<tr>
<th>Load Point Height</th>
<th>12.0 m (39.4 ft.)</th>
<th>14.0 m (45.9 ft.)</th>
<th>16.0 m (52.5 ft.)</th>
<th>18.0 m (59.1 ft.)</th>
<th>20.0 m (65.6 ft.)</th>
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</thead>
<tbody>
<tr>
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<td>Over Front</td>
<td>Over Side</td>
<td>Over Front</td>
<td>Over Side</td>
<td>Over Front</td>
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<tr>
<td>Load Point Height</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.0 m (39.4 ft.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.0 m (32.8 ft.)</td>
<td>*42.9</td>
<td>*42.9</td>
<td>*50.8</td>
<td>*50.8</td>
<td>*50.8</td>
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<tr>
<td></td>
<td>(94.6)</td>
<td>(94.6)</td>
<td>(102.0)</td>
<td>(102.0)</td>
<td>(102.0)</td>
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<tr>
<td>8.0 m (26.2 ft.)</td>
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<td>*62.0</td>
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<td>(135.6)</td>
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<tr>
<td>6.0 m (19.7 ft.)</td>
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<td>(145.3)</td>
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<td>4.0 m (13.1 ft.)</td>
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<tr>
<td>2.0 m (6.6 ft.)</td>
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<td>*120.0</td>
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<td>Ground Line</td>
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<td>*92.8</td>
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<td>(255.7)</td>
<td>(255.7)</td>
<td>(255.7)</td>
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<tr>
<td>–2.0 m (–6.6 ft.)</td>
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<td>*129.0</td>
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<td>(231.5)</td>
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<tr>
<td>–4.0 m (–13.1 ft.)</td>
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<td></td>
<td>(233.7)</td>
<td>(233.7)</td>
<td>(192.2)</td>
<td>(192.2)</td>
<td>(147.9)</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.
### 8000 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
- Fan guard
- Isolation-mounted engine
- Pre-lubrication system
- Auto-idle system
- Emergency engine stop system
- Hydraulic-drive cooling-fan system
- Engine oil reserve system
- Engine room cooling fan
- Radiator reserve tank
- Cooling-fan system
- Engine oil reserve system
- Pre-lubrication system

### Hydraulic System
- Engine-Pump (E-P) control system
- Integrated Optimum Hydraulic System (I-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

### Understructure
- Travel parking brake
- Travel motion alarm device
- Hydraulic track adjuster with N2 gas accumulator and relief valve
- 1850 mm (6 ft. 1 in.) triple grouser shoes
- Single-flange rollers
- Electrical equipment box
- Pump contamination
- Hydraulic oil overheat
- Engine warning
- Exhaust temperature
- Air cleaner restriction
- Stairway position
- Hydraulic oil overheat
- Pump contamination
- Electrical equipment box
- Alarm buzzers
- Pump transmission oil level
- Hydraulic oil level
- Stop valve
- Electric lever
- Fast-filling
- Stairway position
- Overheat
- Engine coolant pressure
- Engine coolant level
- Fuel temperature
- Engine oil temperature
- Air intake manifold temperature
- Crankcase pressure

### Cab
- Travel mode
- Window
- Warning indicators (red)
- Alternator
- Pump transmission oil level
- Engine stop
- Engine oil pressure
- Coolant overheat
- Coolant level
- Engine overrun
- Fuel temperature
- Exhaust temperature
- Hydraulic oil level
- Auto-lubrication
- Stop valve
- Electric lever
- Emergency engine stop
- Tension

### Monitor Systems
- Data Logging Unit (DLU) continuously records performance of the engine and the hydraulic system. The record can be downloaded by PC.
- Satellite data-transmitting system
- Wireless Interface Unit (WIU)
- Engine-Pump (E-P) control system
- Integrated Optimum Hydraulic System (I-OHS)
- Fuel-saving Pump System (FPS)
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### Standard / Optional Equipment

#### 8000 Engine
- Electric travel pedals
- Electric bucket-open/close pedals
- LED-type room lamps
- Footrest
- Air horn with electric compressor
- Auto-tuning AM-FM radio with digital clock
- Seat belt
- Hot and cool box
- Utility space, 1100 mm (3 ft. 7 in.) x 1800 mm (5 ft. 11 in.)
- Floor mat
- Air conditioner with defroster
- Rearview mirror
- Evacuation hammer
- Emergency escape device
- Trainer’s seat
- Pilot control shut-off lever

#### 8000 Cab (continued)
- Engine-Pump (E-P) control system
- Integrated Optimum Hydraulic System (I-OHS)
- Fuel-saving Pump System (FPS)
- Hydraulic-drive cooling-fan system
- Forced-lubrication and forced-cooling pump drive system
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- Crankcase pressure

#### Lights
- 12 working lights
- 4 entrance lights
- 12 maintenance lights
- 12 high-brightness working lights

#### Miscellaneous
- Stairs and handrails (Meet ISO)
- Recirculation air filter for air conditioner
- Ventilation air filter for air conditioner
- 12 V power terminal board
- Stop valve for transport and reassembly
- Lincoln auto-lubrication system for front-attachment pins, swing bearing, and center joint
- Hydraulic oil suction pump
- Fast-filling drop-down panel with Wiggins coupler for fuel, engine oil, engine coolant, grease, pump transmission oil and swing device oil
- Fast-filling couplers
- 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
- Highland application*
- Upper slider
- Additional air horn (right side)
- Standard tool kit

*Engineered on request.

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

See your Hitachi dealer for further information.