

MINING EXCAVATOR

EX2600-6

SALES BROCHURE

EX2600



BUCKET CAPACITY:

BACKHOE (SAE HEAPED 1:1): 17 m³ (22.2 cu. yd.)
SHOVEL (SAE HEAPED 2:1): 15 - 16.5 m³ (19.6 - 21.6 cu. yd.)

OPERATING WEIGHT:

BACKHOE: 254 000 kg (559,974 lb.)
SHOVEL: 252 000 kg (555,565 lb.)

RATED POWER:

1119 kW (1,500 hp)

HITACHI

PROVEN PERFORMANCE ON TOUGH JOBS.

EXCAVATOR FOCUSED.

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 EX2600-6, 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 EX2600-6, you get a...

POWERFUL WORKHORSE.


























SPECIALISTS



PRODUCTIVITY



| Bucket Passes to Dump Trucks | | | | | | | | | | | |
|------------------------------|------------|-----------------------------|--------------------------------|---|--|---|---|---|---|---|---|
| Truck | | Nominal Payload | Bucket Capacity | Passes to Fill | | | | | | | |
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Shovel | EH1700-3 | 95.2 tonnes (106.6 tons) | 15-m³ (19.6 cu. yd.) Bucket |  |  |  |  | | | | |
| Backhoe | EH1700-3 | 95.2 tonnes (106.2 tons) | 17-m³ (22.2 cu. yd.) Bucket |  |  |  |  | | | | |
| Shovel | EH3500AC-3 | 181 tonnes (200 tons) | 15-m³ (19.6 cu. yd.) Bucket |  |  |  |  |  |  |  |  |
| Backhoe | EH3500AC-3 | 181 tonnes (200 tons) | 17-m³ (22.2 cu. yd.) Bucket |  |  |  |  |  |  |  | |



TAKE PRODUCTIVITY TO THE NEXT LEVEL.

TACKLE TOUGH JOBS.

The EX2600-6 is built for major production. A fuel-efficient, Cummins QSKTA50-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 EX2600-6 pairs well with the EH1700-3 and EH3500AC-3 trucks and is available in a backhoe or front-shovel configuration. Add the EX2600-6 to your fleet, and you get...

RELIABLE PERFORMANCE.

■ Powerful Engine.

A Cummins QSKTA50-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.

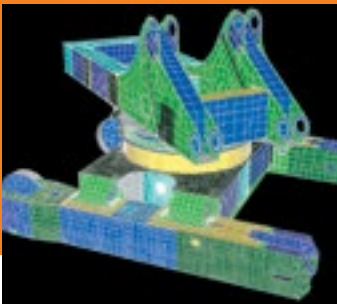
An exclusive Hitachi feature available on front shovel attachments, the one-lever leveling control boosts productivity through efficient operation of the bucket through the dig cycle.

DURABILITY BUILT IN. DOWNTIME TOSSED OUT.

DEPENDABLE STRENGTH.

The EX2600-6 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 a strategically positioned oil cooler is designed to give you more uptime. Add it all up, and the EX2600-6 is...

EFFICIENT AND TOUGH.



■ 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.



■ The oil cooler is strategically positioned far from the engine radiator for even better cooling potential.



DURABILITY





■ 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 6.4-meter (21 ft.) high, forward-sloping cab provides a clear view of the work site – even when loading trucks.

■ The air suspension, multi-position seat can be customized to the operator's needs and adjusted according to operator weight.

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



MORE COMFORT, MORE PRODUCTIVITY.

COMFORTABLE AND SAFE CAB.

The EX2600-6 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 EX2600-6, you get...

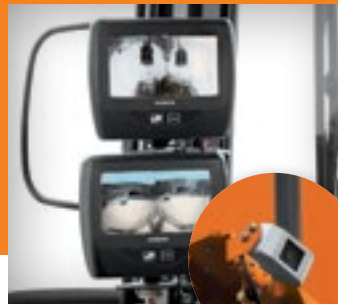
COMFORTABLE PRODUCTION.



■ Electric joystick control levers provide precise and almost effortless operation.



■ 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.



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

MORE UPTIME, LESS MAINTENANCE.

LOWER OPERATING COSTS.

When it comes to maintenance, the EX2600-6 provides big advantages. The simple servicing, inspection and cleaning of the EX2600-6 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 EX2600-6, you save time and money due to...

MINIMIZED MAINTENANCE.



■ 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.

MAINTENANCE



■ 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.

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

■ The auto-lubrication system for the front joint pins and swing circle saves you time.

EX2600-6

MINING EXCAVATOR



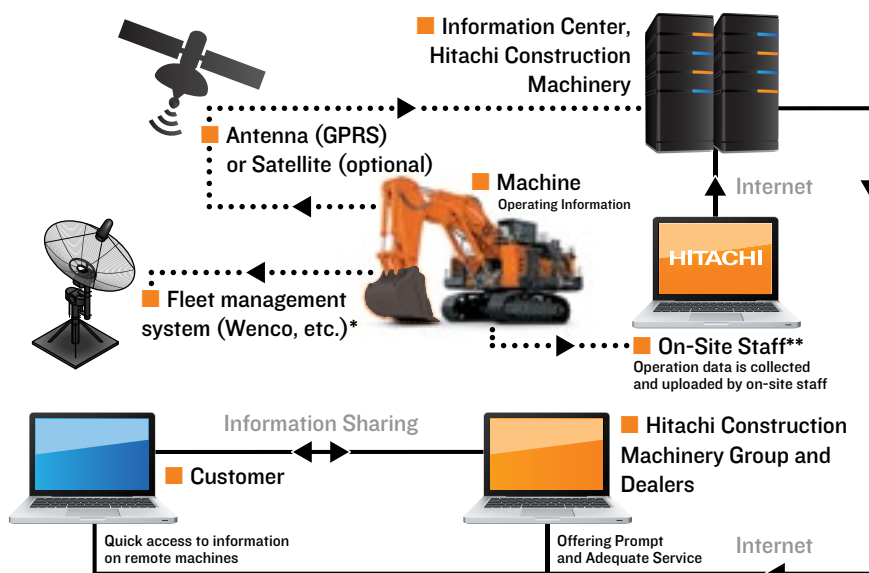
SUPPORT

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.

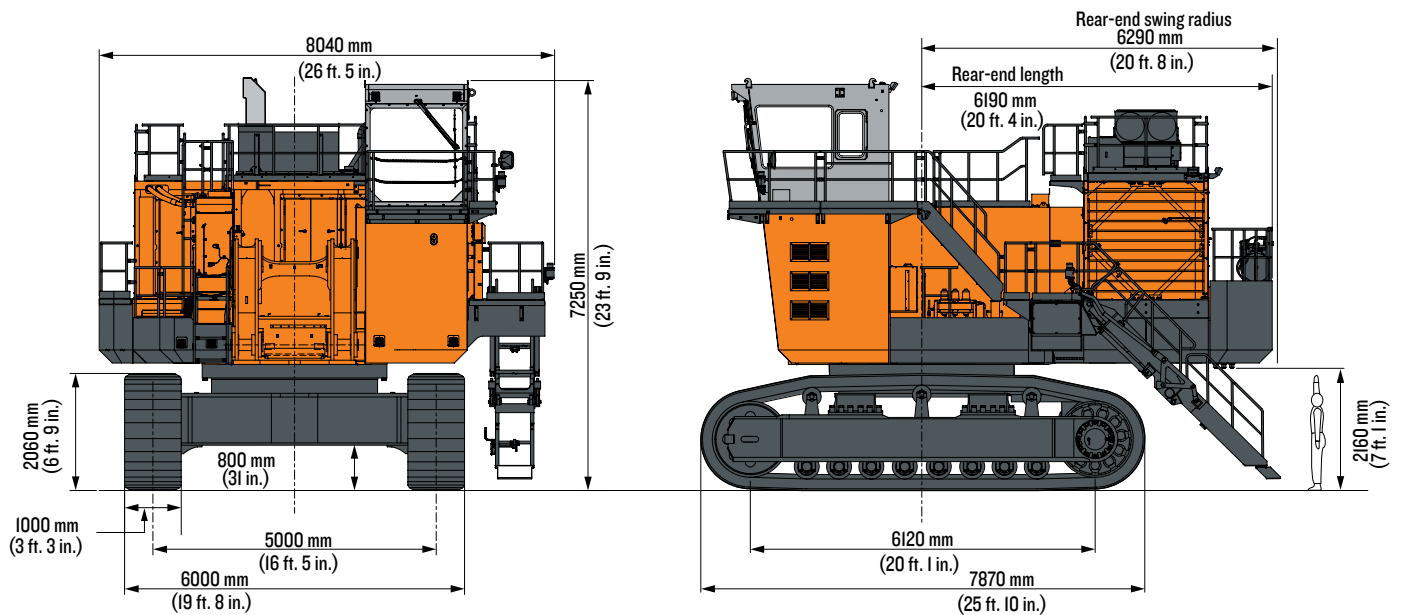
Note: In some regions, the Satellite Communication Device is not available by local regulations; the GPRS (mobile) communication device is an option for these regions.

*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.

EX2600-6 SPECS

MINING EXCAVATOR



ILLUSTRATIONS SHOW DIESEL ENGINE MACHINE

| Diesel Engine | | Electric Motor | |
|---|--|-------------------------------------|---|
| EX2600-6 | | EX2600E-6 | |
| Manufacturer and Model | Cummins QSKTA50-CE | Manufacturer and Model | HITACHI TFOA-KK |
| Type | 4 cycle | Type | High voltage, three-phase, squirrel cage induction motor, totally enclosed air-to-air-cooled (TEAAC). |
| 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 | 860 kW |
| Rated power | | Voltage | AC 6000 - 6600 V / 50 Hz AC 6600 - 6900 V / 60 Hz |
| Gross (SAE J1995) | 1119 kW (1,500 hp) @ 1800 min ⁻¹ (rpm) | Number of poles | 4 |
| Net | 1069 kW (1,434 hp) @ 1800 min ⁻¹ (rpm) | Synchronous RPM | 1500 min ⁻¹ / 50 Hz 1800 min ⁻¹ / 60 Hz |
| Maximum torque | 6570 Nm (670 kgf-m) @ 1400 min ⁻¹ (rpm) | Rated current | 92 A @ 6600 V |
| Piston displacement | 50 L (3,051 cu. in.) | Insulation class | F class B raise |
| Bore and stroke | 159 mm x 159 mm (6.3 in. x 6.3 in.) | Space heater included | |
| Starting system | 24 V electric motor | Thermo-guard (temperature detector) | |
| Batteries | 4 x 12 V, 4 x 220 AH | Starting condition | Reactor 50% tap |
| Cold starting | Ether aided | | |
| 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) | | | |
| Three tandem-axial piston pump groups (six pumps in total), supply a three-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 | | | |
| Forced-lubrication and forced-cooling pump drive system | | | |
| Main Pumps | | | |
| 6 variable-displacement, axial piston pumps for front attachment, travel and swing | | | |
| Maximum oil flow 4 x 375 L/min (4 x 99.1 gal./min.), 2 x 425 L/min (2 x 112.3 gal./min.) | | | |
| Pilot Pump | | | |
| Gear pump | | | |
| Maximum oil flow 108 L/min (28.5 gal./min.) | | | |
| Relief Valve Settings | | | |
| Implement circuit 29.4 MPa (300 kgf/cm ²) (4,264 psi) | | | |
| Travel circuit 29.4 MPa (300 kgf/cm ²) (4,264 psi) | | | |
| Swing circuit 27.4 MPa (280 kgf/cm ²) (3,973 psi) | | | |
| Pilot circuit 3.9 MPa (40 kgf/cm ²) (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. | | | |

EX2600-6

Cylinder Dimensions (Backhoe)

| | Quantity | Bore | Rod Diameter |
|--------|----------|-------------------|------------------|
| Boom | 2 | 310 mm (12.2 in.) | 230 mm (9 in.) |
| Arm | 2 | 280 mm (11 in.) | 200 mm (7.9 in.) |
| Bucket | 2 | 230 mm (9 in.) | 170 mm (6.7 in.) |

Cylinder Dimensions (Loading Shovel)

| | Quantity | Bore | Rod Diameter |
|--------|----------|-------------------|------------------|
| Boom | 2 | 310 mm (12.2 in.) | 230 mm (9.1 in.) |
| Arm | 1 | 280 mm (11 in.) | 210 mm (8.3 in.) |
| Bucket | 2 | 250 mm (9.8 in.) | 180 mm (7.1 in.) |
| Dump | 2 | 215 mm (8.5 in.) | 130 mm (5.1 in.) |
| Level | 1 | 310 mm (12.2 in.) | 230 mm (9.1 in.) |

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.

| | Quantity | |
|--|----------|-------------|
| Full-flow filter | 3 | 10 μ m |
| High-pressure strainer (in main and swing pump line) | 6 | 120 μ m |
| Drain filter (for all plunger-type pumps and motors) | 1 | 10 μ m |
| Bypass filter (in oil cooler by-pass line) | 1 | 5 μ m |
| Pilot filter | 1 | 10 μ m |

Controls

Two Implement Levers

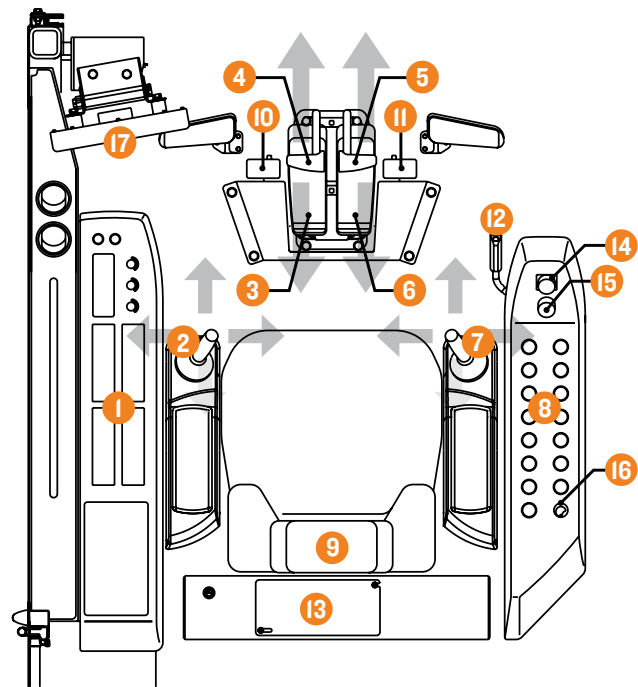
Electric joystick control levers. Right lever is for boom and bucket control, left lever for swing and arm control.

2 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



DIESEL ENGINE CONTROLS

EX2600-6 SPECS

MINING EXCAVATOR

Upperstructure EX2600-6

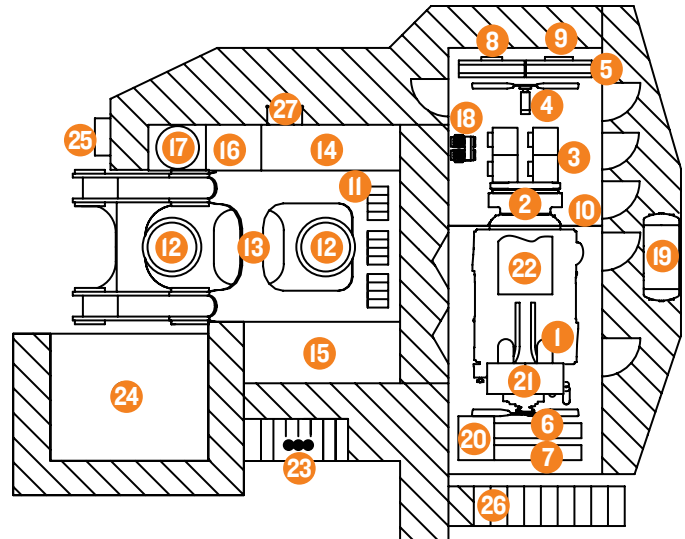
Revolving Frame

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



DECK MACHINERY
FOR DIESEL ENGINE MACHINE

Upperstructure EX2600E-6

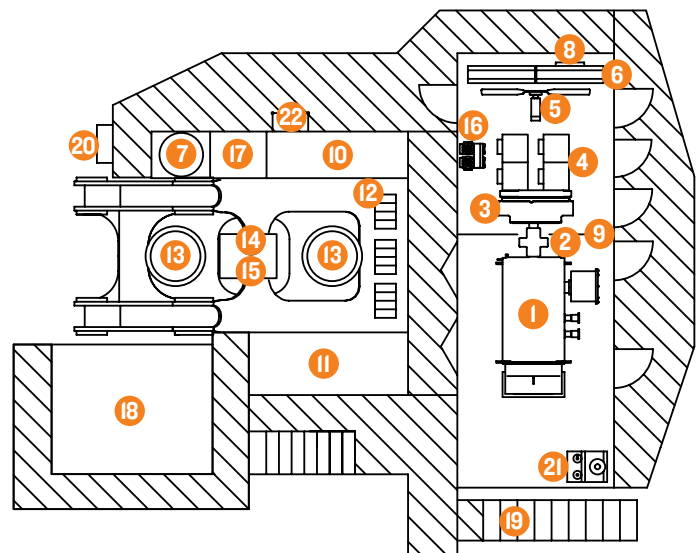
Revolving Frame

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



DECK MACHINERY
FOR ELECTRIC MOTOR MACHINE

EX2600-6

Swing Device

Two high-torque, axial-piston motors with 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 | 3.8 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 | 72 dB(A) in the cab at maximum engine speed under no-load condition |
| Eye-level height | 6290 mm (20 ft. 8 in.) |

Undercarriage

Tracks

Shovel-type undercarriage. Dual-flanged-type bolt linkage for side frame and X-form center frame assures durability. Heavy-duty track frame of all-welded, stress-relieved structure. Top-grade materials used for toughness. Lifetime-lubricated induction-hardened track rollers, idlers and drive tumblers with floating seals. Opposed double-type upper rollers for easy removal of mud. Track shoes of induction-hardened cast steel with triple grousers. Specially heat-treated connection pins. Hydraulic track adjuster provided with N₂ gas accumulator with relief valve. Track adjuster provided with protection device against abnormal tension. Travel motion alarm device.

Shovel-Type Undercarriage

| | |
|---|------------------|
| Triple grouser track shoes of induction-hardened cast steel | |
| Shoe width | 1000 mm (40 in.) |

Number of Rollers and Shoes (each side)

| | |
|---------------|----|
| Upper rollers | 3 |
| Lower rollers | 8 |
| Track shoes | 39 |

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: 0-1.6 km/h (0-1 mph) |
| | High: 0-2.3 km/h (0-1.4 mph) |
| Maximum traction force | 1330 kN/135 600 kgf (298,944 lbf.) |
| Gradeability | 58% (30°) maximum |

Weights and Ground Pressure

Loading Shovel

Equipped with 15-m³ (19.6 cu. yd.) (SAE heaped 2:1) bottom-dump bucket.

| Diesel Engine | | | |
|-----------------|------------------|--------------------------|--|
| Shoe Type | Shoe Width | Operating Weight | Ground Pressure |
| Triple Grousers | 1000 mm (40 in.) | 252 000 kg (555,565 lb.) | 183 kPa (1.87 kgf/cm ²) (26.5 psi) |
| Electric Motor | | | |
| Shoe Type | Shoe Width | Operating Weight | Ground Pressure |
| Triple Grousers | 1000 mm (40 in.) | 248 000 kg (546,746 lb.) | 180 kPa (1.84 kgf/cm ²) (26.1 psi) |

Backhoe

Equipped with 8.7-m (28 ft. 7 in.) boom, 3.9-m (12 ft. 10 in.) arm, and 17-m³ (22.2 cu. yd.) (SAE heaped 1:1) bucket.

| Diesel Engine | | | |
|-----------------|------------------|--------------------------|--|
| Shoe Type | Shoe Width | Operating Weight | Ground Pressure |
| Triple Grousers | 1000 mm (40 in.) | 254 000 kg (559,974 lb.) | 185 kPa (1.89 kgf/cm ²) (26.8 psi) |
| Electric Motor | | | |
| Shoe Type | Shoe Width | Operating Weight | Ground Pressure |
| Triple Grousers | 1000 mm (40 in.) | 250 000 kg (551,156 lb.) | 182 kPa (1.86 kgf/cm ²) (26.4 psi) |

Service Refill Capabilities

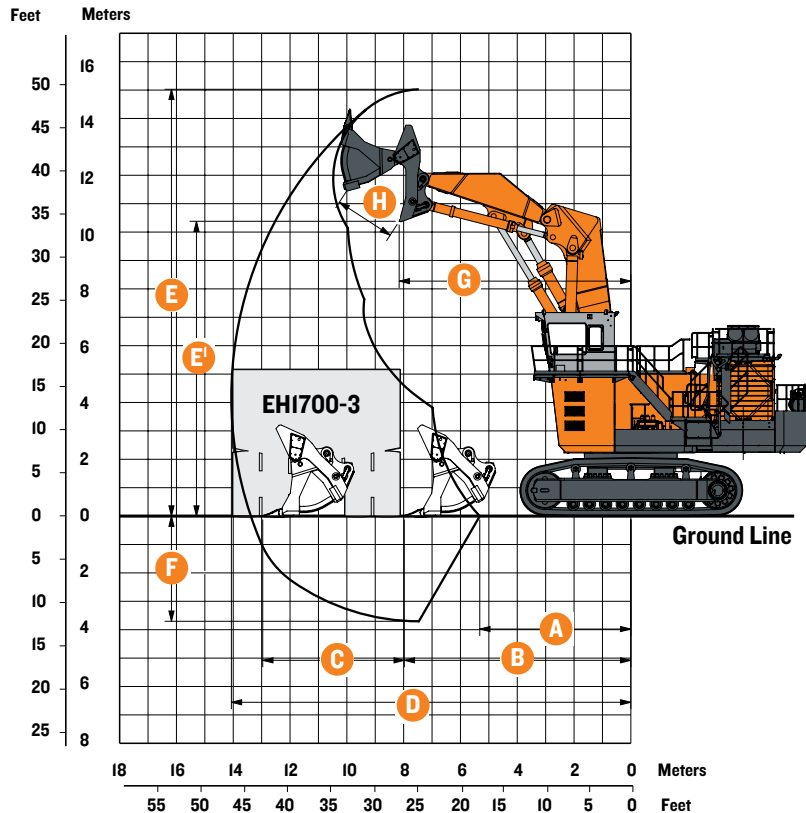
| | Diesel Powered | Electric Powered |
|--------------------------|-------------------------|-------------------------|
| Fuel tank | 5300 L (1,400 gal.) | |
| Engine coolant | 476 L (126 gal.) | |
| Engine oil pan | 150 L (40 gal.) | |
| Engine oil reserve tank | 205 L (54 gal.) | |
| Pump transmission device | 30 L (8 gal.) | 30 L (8 gal.) |
| Swing device | 2 x 100 L (2 x 26 gal.) | 2 x 100 L (2 x 26 gal.) |
| Travel device | 2 x 137 L (2 x 36 gal.) | 2 x 137 L (2 x 36 gal.) |
| Hydraulic system | 3170 L (837 gal.) | 3170 L (837 gal.) |
| Hydraulic oil tank | 1320 L (349 gal.) | 1320 L (349 gal.) |

EX2600-6 SPECS

MINING EXCAVATOR

Loading Shovel Attachment

EX2600-6



Working Ranges

| Bucket Capacity (SAE Heaped 2:1) | 15-m ³ (19.6 cu. yd.) | 16.5-m ³ (21.6 cu. yd.) |
|--|------------------------------------|------------------------------------|
| A Min digging distance | 5340 mm (17 ft. 6 in.) | 5200 mm (17 ft. 1 in.) |
| B Min level crowding distance | 7980 mm (26 ft. 2 in.) | 8240 mm (27 ft.) |
| C Level crowding distance | 4980 mm (16 ft. 4 in.) | 4960 mm (16 ft. 3 in.) |
| D Max digging reach | 14 060 mm (46 ft. 2 in.) | 14 300 mm (46 ft. 11 in.) |
| E Max cutting height | 15 010 mm (49 ft. 3 in.) | 15 250 mm (50 ft.) |
| E' Max dumping height | 10 350 mm (34 ft.) | 10 350 mm (34 ft.) |
| F Max digging depth | 3720 mm (12 ft. 3 in.) | 3960 mm (13 ft.) |
| G Working radius at max dumping height | 8140 mm (26 ft. 9 in.) | 8140 mm (26 ft. 9 in.) |
| H Max bucket opening width | 2150 mm (7 ft. 1 in.) | 2150 mm (7 ft. 1 in.) |
| Bucket digging force | 943 kN / 96 200 kgf (211,995 lbf.) | 873 kN / 89 000 kgf (196,258 lbf.) |
| Arm crowding force | 918 kN / 93 600 kgf (206,375 lbf.) | 907 kN / 92 500 kgf (203,902 lbf.) |

Bucket

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

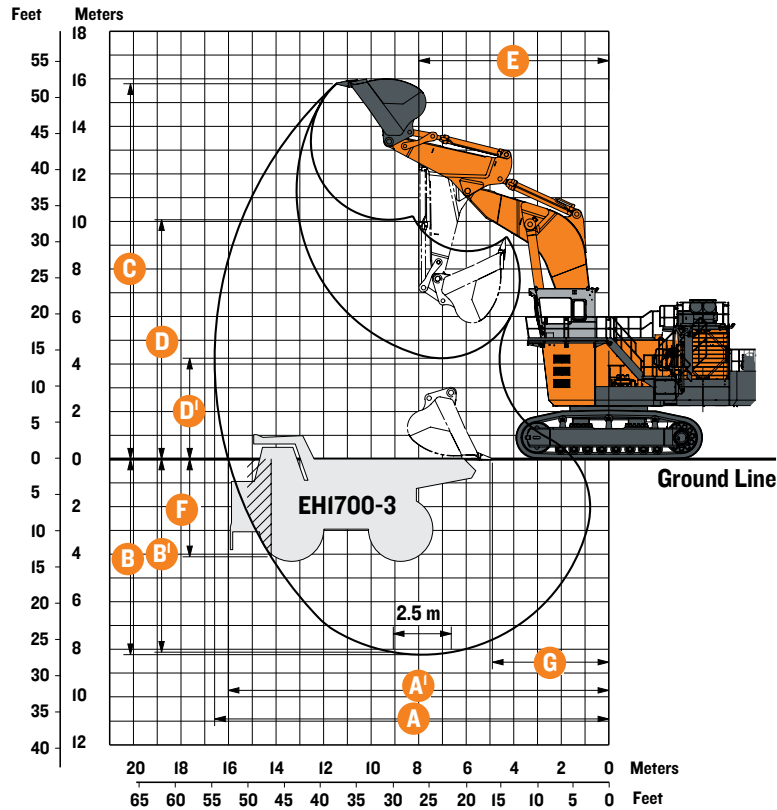
| Capacity (SAE heaped 2:1) | Width | Number of Teeth | Weight | Type | Materials density |
|------------------------------------|------------------------|-----------------|------------------------|----------------------------------|--|
| 15-m ³ (19.6 cu. yd.) | 3590 mm (11 ft. 9 in.) | 6 | 20 300 kg (44,754 lb.) | Bottom-dump-type general purpose | 1800 kg/m ³ (3,034 lb./cu. yd.) or less |
| 16.5-m ³ (21.6 cu. yd.) | 3590 mm (11 ft. 9 in.) | 6 | 20 700 kg (45,636 lb.) | Bottom-dump-type light duty | 1600 kg/m ³ (2,697 lb./cu. yd.) or less |

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.

EX2600-6

Backhoe Attachment

EX2600-6



Working Ranges

| | | |
|-----------------------|---------------------------------|------------------------------------|
| BE-boom length | | 8.7-m (28 ft. 7 in.) |
| BE-arm length | | 3.9-m (12 ft. 10 in.) |
| A | Max digging reach | 16 600 mm (54 ft. 6 in.) |
| A' | Max digging reach (on ground) | 16 050 mm (52 ft. 8 in.) |
| B | Max digging depth | 8250 mm (27 ft. 1 in.) |
| B' | Max digging depth (2.5 m level) | 8150 mm (26 ft. 9 in.) |
| C | Max cutting height | 15 800 mm (51 ft. 10 in.) |
| D | Max dumping height | 10 100 mm (33 ft. 2 in.) |
| D' | Min dumping height | 4250 mm (13 ft. 11 in.) |
| E | Min swing radius | 7990 mm (26 ft. 3 in.) |
| F | Max vertical wall | 4110 mm (13 ft. 6 in.) |
| G | Min level crowding distance | 4900 mm (16 ft. 1 in.) |
| Bucket digging force | SAE | 760 kN / 77 500 kgf (170,855 lbf.) |
| | ISO | 830 kN / 84 600 kgf (186,591 lbf.) |
| Arm crowding force | SAE | 765 kN / 78 000 kgf (171,979 lbf.) |
| | ISO | 785 kN / 80 000 kgf (176,475 lbf.) |

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.

| Capacity (SAE heaped l:l) | Width (with side cutters) | Number of Teeth | Weight | Type | Materials density |
|----------------------------------|---------------------------|-----------------|------------------------|-----------------|--|
| 17-m ³ (22.2 cu. yd.) | 3580 mm (11 ft. 9 in.) | 6 | 15 600 kg (34,392 lb.) | General purpose | 1800 kg/m ³ (3,034 lb./cu. yd.) or less |

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.

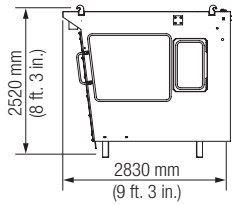
TRANSPORTATION

Upperstructure

EX2600-6

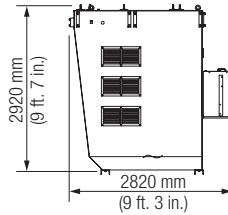
CAB ASSEMBLY

Weight: 1740 kg (3,836 lb.)
Width: 1880 mm (6 ft. 2 in.)



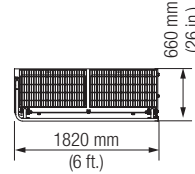
CAB BED

Weight: 2560 kg (5,644 lb.)
Width: 1860 mm (6 ft. 1 in.)



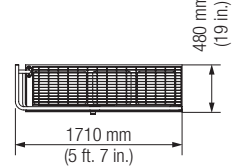
SIDEWALK

Weight: 71 kg (156.5 lb.)
Width: 1290 mm (4 ft. 3 in.)



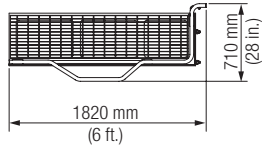
SIDEWALK

Weight: 74 kg (163 lb.)
Width: 1290 mm (4 ft. 3 in.)



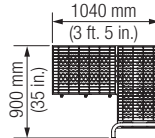
SIDEWALK

Weight: 77 kg (169.8 lb.)
Width: 1290 mm (4 ft. 3 in.)



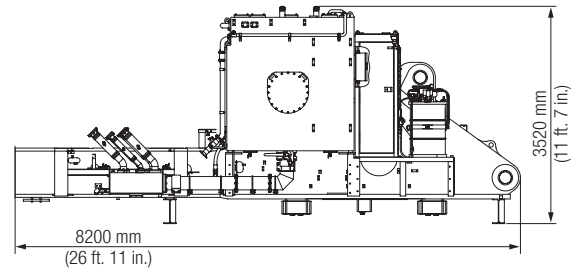
STEP

Weight: 65 kg (143.3 lb.)
Width: 1290 mm (4 ft. 3 in.)



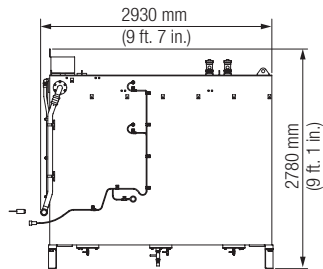
MAINFRAME ASSEMBLY

Weight: 37 800 kg (83,333 lb.)
Width: 3500 mm (11 ft. 6 in.)



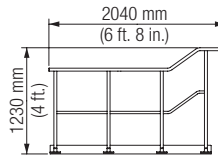
FUEL TANK

Weight: 2500 kg (5,511.5 lb.)
Width: 1300 mm (4 ft. 3 in.)



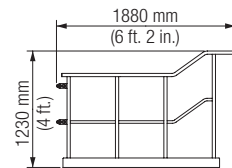
HANDRAIL

Weight: 32 kg (70.5 lb.)
Width: 250 mm (10 in.)



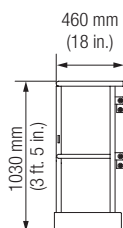
HANDRAIL

Weight: 30 kg (66.13 lb.)
Width: 140 mm (6 in.)



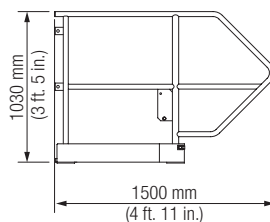
HANDRAIL

Weight: 22 kg (48.5 lb.)
Width: 1030 mm (3 ft. 5 in.)



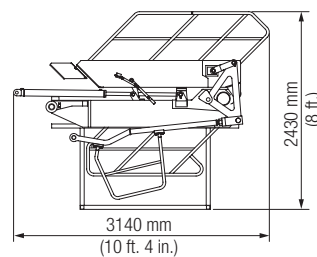
HANDRAIL

Weight: 23 kg (50.7 lb.)
Width: 90 mm (4 in.)



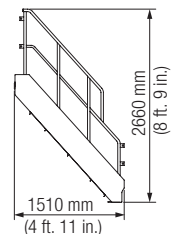
FOLDING STAIRS

Weight: 773 kg (1,704 lb.)
Width: 1100 mm (3 ft. 7 in.)



STEP

Weight: 150 kg (330.7 lb.)
Width: 580 mm (23 in.)



EX2600-6

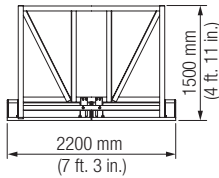
TRANSPORTATION

Upperstructure (continued)

EX2600-6

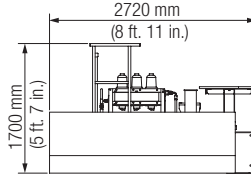
FENDER

Weight: 191 kg (421 lb.)
Width: 790 mm (31 in.)



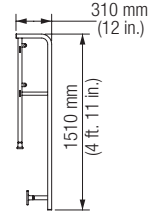
SIDEWALK

Weight: 473 kg (1,043 lb.)
Width: 1310 mm (4 ft. 4 in.)



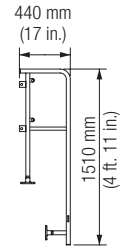
HANDRAIL

Weight: 9 kg (19.8 lb.)
Width: 150 mm (6 in.)



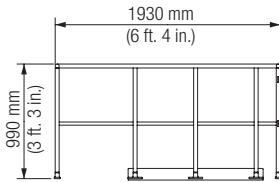
HANDRAIL

Weight: 10 kg (22 lb.)
Width: 150 mm (6 in.)



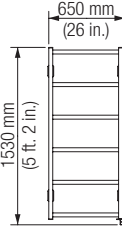
HANDRAIL

Weight: 34 kg (75 lb.)
Width: 510 mm (20 in.)



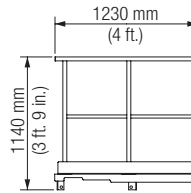
LADDER

Weight: 20 kg (44.1 lb.)
Width: 210 mm (8 in.)



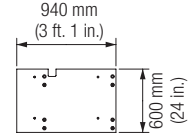
STEP

Weight: 37 kg (81.6 lb.)
Width: 260 mm (10 in.)



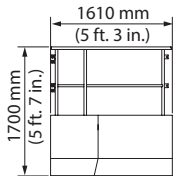
STEP

Weight: 41 kg (90.4 lb.)
Width: 210 mm (8 in.)



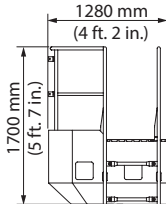
SIDEWALK

Weight: 214 kg (471.8 lb.)
Width: 1100 mm (3 ft. 7 in.)



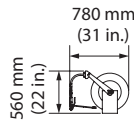
SIDEWALK

Weight: 123 kg (271.2 lb.)
Width: 850 mm (30 in.)



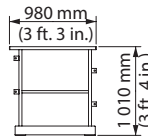
HOSE REEL

Weight: 54 kg (119 lb.)
Width: 270 mm (11 in.)



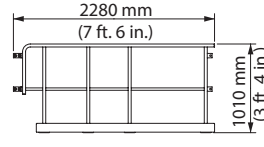
HANDRAIL

Weight: 14 kg (30.9 lb.)
Width: 55 mm (2 in.)



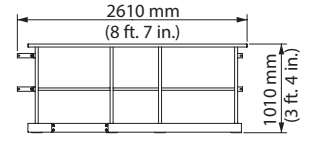
HANDRAIL

Weight: 33 kg (72.6 lb.)
Width: 55 mm (2 in.)



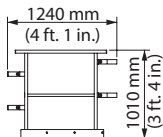
HANDRAIL

Weight: 33 kg (72.6 lb.)
Width: 270 mm (11 in.)



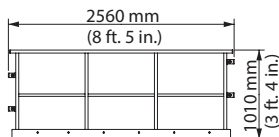
HANDRAIL

Weight: 18 kg (39.7 lb.)
Width: 230 mm (9 in.)



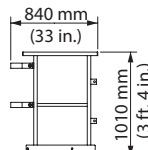
HANDRAIL

Weight: 34 kg (75 lb.)
Width: 110 mm (4 in.)



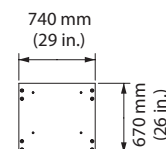
HANDRAIL

Weight: 14 kg (30.9 lb.)
Width: 230 mm (9 in.)



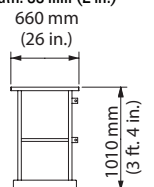
STEP

Weight: 39 kg (86 lb.)
Width: 210 mm (8 in.)



STEP

Weight: 11 kg (24.3 lb.)
Width: 55 mm (2 in.)



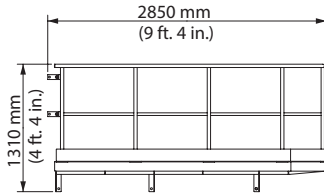
TRANSPORTATION

Upperstructure (continued)

EX2600-6

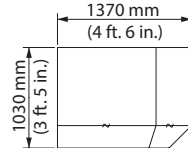
STEP

Weight: 140 kg (308.6 lb.)
Width: 564 mm (22 in.)



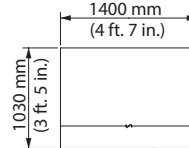
FENDER

Weight: 72 kg (158.7 lb.)
Width: 580 mm (23 in.)



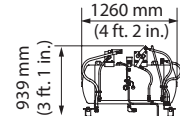
FENDER

Weight: 86 kg (189.6 lb.)
Width: 580 mm (23 in.)



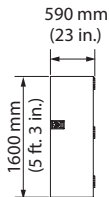
RESERVE TANK

Weight: 150 kg (330.7 lb.)
Width: 508 mm (20 in.)



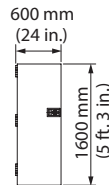
DOOR

Weight: 26 kg (57.3 lb.)
Width: 50 mm (2 in.)



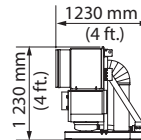
DOOR

Weight: 26 kg (57.3 lb.)
Width: 50 mm (2 in.)



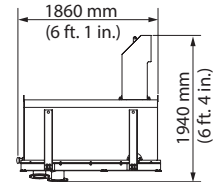
AIR-CLEANER ASSEMBLY

Weight: 310 kg (683.4 lb.)
Width: 1260 mm (4 ft. 2 in.)



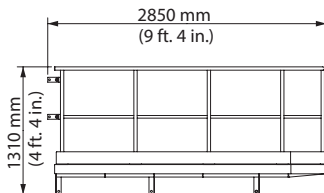
MUFFLER

Weight: 570 kg (1,256.6 lb.)
Width: 1350 mm (4 ft. 5 in.)



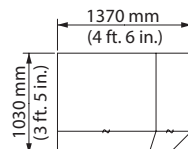
STEP

Weight: 140 kg (308.6 lb.)
Width: 564 mm (22 in.)



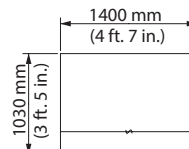
FENDER

Weight: 72 kg (158.7 lb.)
Width: 580 mm (23 in.)



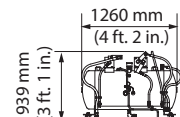
FENDER

Weight: 86 kg (189.6 lb.)
Width: 580 mm (23 in.)



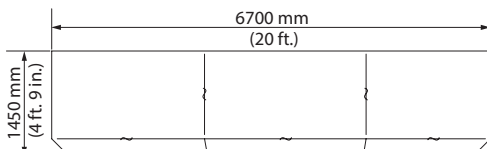
RESERVE TANK

Weight: 150 kg (330.7 lb.)
Width: 508 mm (20 in.)



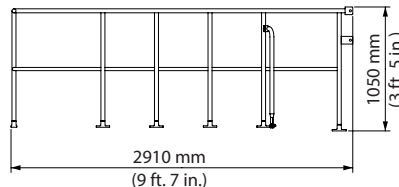
COUNTERWEIGHT

Weight: 29 800 kg (65,698 lb.)
Width: 1210 mm (4 ft.)



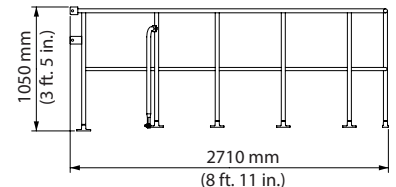
HANDRAIL

Weight: 35 kg (77 lb.)
Width: 1190 mm (3 ft. 11 in.)



HANDRAIL

Weight: 33 kg (73 lb.)
Width: 1070 mm (3 ft. 6 in.)



EX2600-6

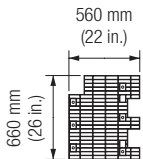
TRANSPORTATION

Upperstructure (continued)

EX2600-6

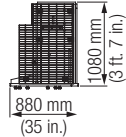
STEP

Weight: 9 kg (19.8 lb.)
Width: 30 mm (1 in.)



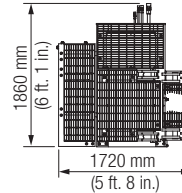
STEP

Weight: 615 kg (1,355.8 lb.)
Width: 1070 mm (3 ft. 6 in.)



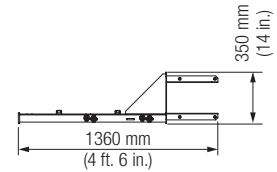
BOX

Weight: 977 kg (2,153.9 lb.)
Width: 870 mm (34 in.)



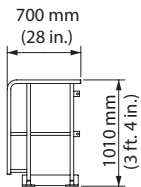
BRACKET

Weight: 20 kg (44.1 lb.)
Width: 260 mm (10 in.)



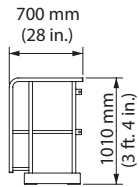
STEP

Weight: 13 kg (28.7 lb.)
Width: 55 mm (2 in.)



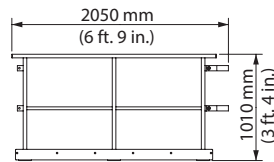
FENDER

Weight: 13 kg (28.7 lb.)
Width: 55 mm (2 in.)



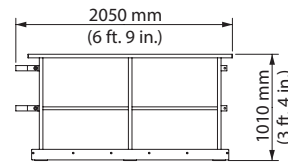
HANDRAIL

Weight: 27 kg (59.5 lb.)
Width: 230 mm (9 in.)



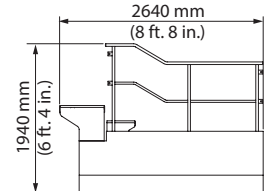
HANDRAIL

Weight: 27 kg (59.5 lb.)
Width: 230 mm (9 in.)



SIDEWALK

Weight: 333 kg (734 lb.)
Width: 1120 mm (3 ft. 8 in.)



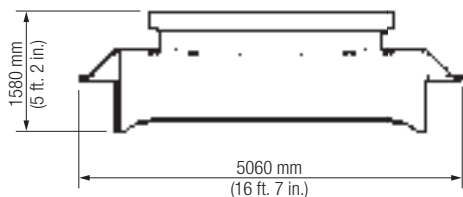
TRANSPORTATION

Undercarriage

EX2600-6

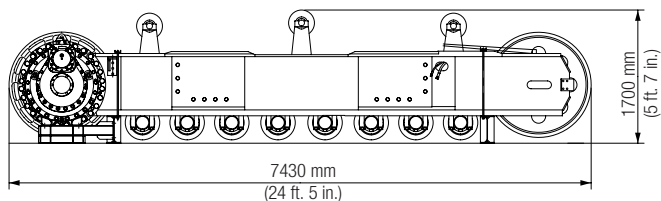
TRACK CENTER-FRAME ASSEMBLY

Weight: 21 800 kg (48,060 lb.)
Width: 3300 mm (10 ft. 10 in.)



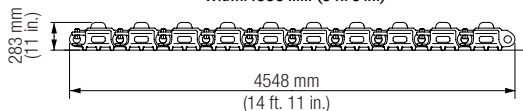
TRACK SIDE FRAME ASSEMBLY

Weight: 19 800 kg (43652 lb.) X 2
Width: 2160 mm (7 ft. 1 in.)

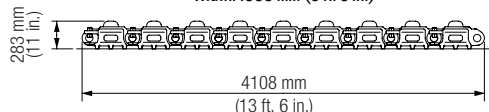


TRACK LINKS

Weight: 3020 kg (6,658 lb.) X 6
Width: 1000 mm (3 ft. 3 in.)

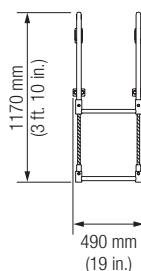


Weight: 2790 kg (6151 lb.) X 2
Width: 1000 mm (3 ft. 3 in.)



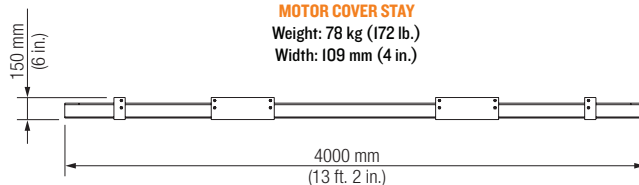
LADDER

Weight: 13 kg (28.7 lb.)
Width: 603 mm (24 in.)



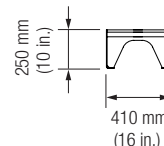
MOTOR COVER STAY

Weight: 78 kg (172 lb.)
Width: 109 mm (4 in.)



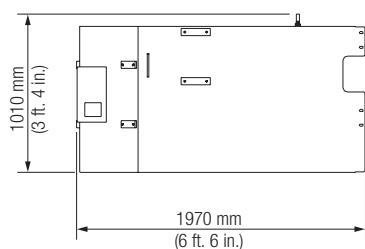
STEP

Weight: 8 kg (17.6 lb.)
Width: 200 mm (8 in.)



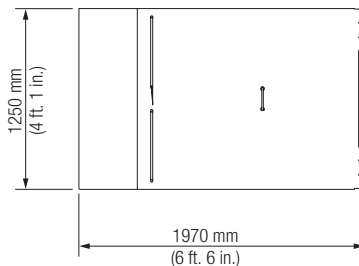
COVER

Weight: 96 kg (211.6 lb.)
Width: 479 mm (19 in.)



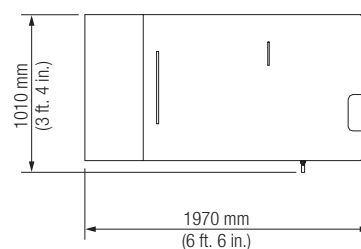
COVER

Weight: 108 kg (238 lb.)
Width: 560 mm (22 in.)



COVER

Weight: 87 kg (191.8 lb.)
Width: 560 mm (22 in.)



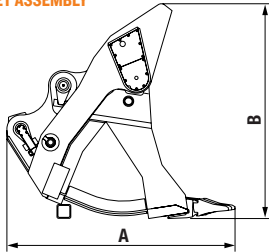
EX2600-6

TRANSPORTATION

Loader Attachments

EX2600-6

BUCKET ASSEMBLY

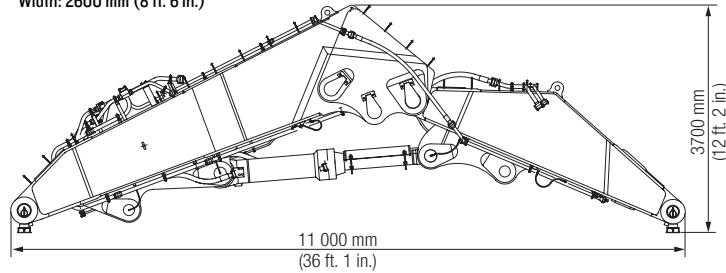


| Loader Assembly | Dimensions | | | |
|-------------------------------------|------------------------|-------------------------|------------------------|------------------------|
| Bucket Capacity (SAE heaped 2:l) | A | B | Max. Width | Weight |
| 15.0 m³ (19.6 cu. yd) | 3440 mm (11 ft. 3 in.) | 3240 mm (10 ft. 8 in.) | 3860 mm (12 ft. 8 in.) | 20 300 kg (44,753 lb.) |
| 16.5 m³ (21.6 cu. yd) | 3500 mm (11 ft. 6 in.) | 3320 mm (10 ft. 11 in.) | 3860 mm (12 ft. 8 in.) | 20 700 kg (45,635 lb.) |

*With wear plate

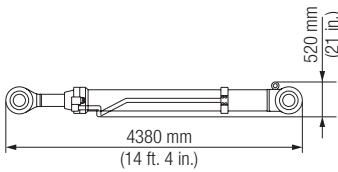
BOOM-ARM ASSEMBLY

Weight: 29 000 kg (63,933 lb.)
Width: 2600 mm (8 ft. 6 in.)



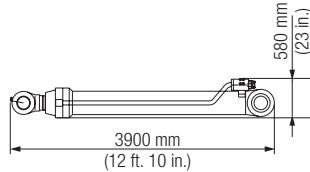
BUCKET CYLINDER

Weight: 1870 kg (4,122.6 lb.) X 2
Width: 760 mm (30 in.)



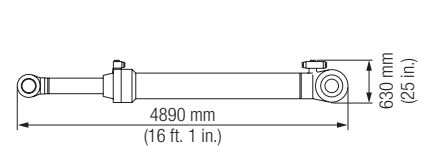
ARM CYLINDER

Weight: 2240 kg (4,938.3 lb.)
Width: 700 mm (28 in.)



BOOM CYLINDER

Weight: 2960 kg (6,393.3 lb.) X 2
Width: 490 mm (19 in.)



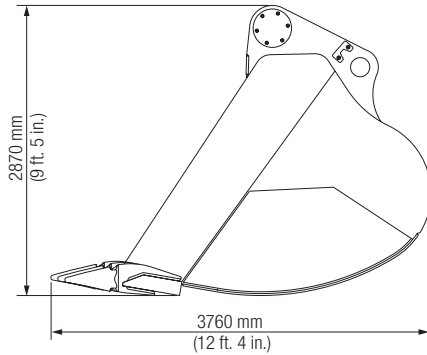
TRANSPORTATION

Backhoe Attachments

EX2600-6

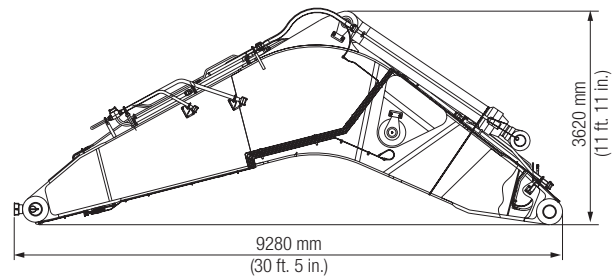
BUCKET ASSEMBLY

Capacity (SAE heaped): 17.0 m³ (22.2 cu. yd.)
Weight: 15 600 kg (34,392 lb.)
Width: 3600 mm (11 ft. 10 in.)



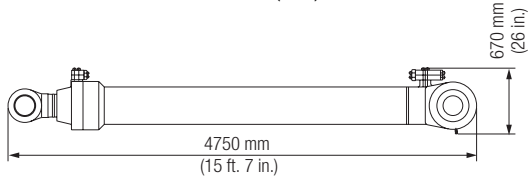
BE-BOOM ASSEMBLY

Weight: 24 500 kg (54,012 lb.)
Width: 2240 mm (7 ft. 4 in.)



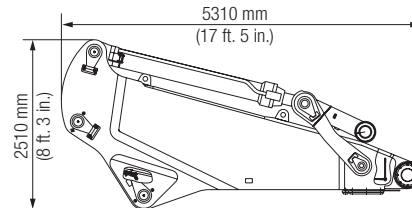
BOOM CYLINDER

Weight: 3120 kg (6,878 lb.) X 2
Width: 490 mm (19 in.)



BE-ARM ASSEMBLY

Weight: 16 100 kg (35,494 lb.)
Width: 1640 mm (5 ft. 5 in.)



EX2600-6

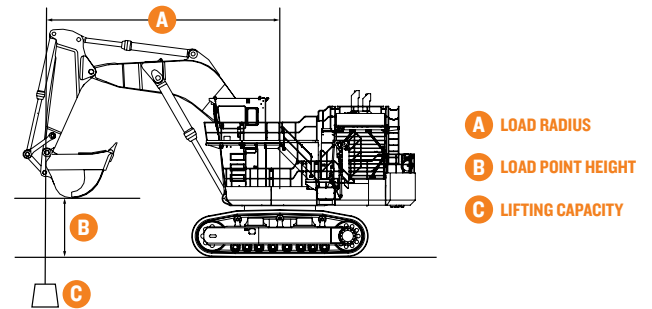
LIFTING CAPACITIES

| EX2600-6 BE | | | | | | | | | | | Unit: 1000 kg (1,000 lb.) | | |
|---|----------------------|------------------|----------------------|------------------|------------------------|-------------------|-----------------------|------------------|------------------------|------------------|---------------------------|------------------|---------------------------|
| Load Point Height | 6.0 m (19 ft. 6 in.) | | 8.0 m (26 ft. 3 in.) | | 10.0 m (32 ft. 10 in.) | | 12.0 m (39 ft. 4 in.) | | 14.0 m (45 ft. 11 in.) | | At Maximum Reach | | |
| Horizontal Distance from Centerline of Rotation | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | meters (feet) |
| EX2600-6 BE with 8.7-m (28 ft. 7 in.) boom, 3.9-m (12 ft. 10 in.) arm, 17-m³ (22.2 cu. yd.) bucket (SAE) and 1000-mm (40 in.) shoes | | | | | | | | | | | | | |
| 10.0 m (32 ft. 10 in.) | | | | | | | *23.2 (*51.5) | *23.2 (*51.5) | | | *10.3 (*22.7) | *10.3 (*22.7) | 15.4 m (50 ft. 6 in.) |
| 8.0 m (26 ft. 3 in.) | | | | | | | *27.9 (*61.5) | *27.9 (*61.5) | *18.5 (*40.8) | *18.5 (*40.8) | *10.1 (*22.3) | *10.1 (*22.3) | 15.9 m (52 ft. 2 in.) |
| 6.0 m (19 ft. 8 in.) | | | | | *33.6 (*74.1) | *33.6 (*74.1) | *32.5 (*71.6) | *32.5 (*71.6) | *26.7 (*58.9) | *26.7 (*58.9) | *10.3 (*22.7) | *10.3 (*22.7) | 16.1 m (52 ft. 10 in.) |
| 4.0 m (13 ft. 1 in.) | | | | | *51.1 (*112.7) | *51.1 (*112.7) | 38.4 (84.7) | *39.5 (*87.1) | 27.8 (61.3) | *31.7 (*69.9) | *11.1 (*24.5) | *11.1 (*24.5) | 15.9 m (52 ft. 2 in.) |
| 2.0 m (6 ft. 7 in.) | | | | | 50.1 (110.4) | *51.1 (*112.7) | 36.1 (79.6) | *41.3 (*91) | 26.4 (58.2) | *32.6 (*71.9) | *12.3 (*27.1) | *12.3 (*27.1) | 15.4 m (50 ft. 6 in.) |
| Ground Line | | | | | 48.1 (106) | *49.3 (*108.7) | 34.5 (76.1) | *40.9 (*90.2) | 25.5 (56.2) | *31.1 (*68.8) | *14.5 (*32) | *14.5 (*32) | 14.5 m (47 ft. 7 in.) |
| -2.0 m (-6 ft. 7 in.) | | | *33.2 (*73.2) | *33.2 (*73.2) | 47.6 (104.9) | *48.8 (*108.6) | 33.9 (74.7) | *37.2 (*82) | *20.3 (*44.8) | *20.3 (*44.8) | | | |
| -4.0 m (-13 ft. 1 in.) | *44.4 (*97.9) | *44.4 (*97.9) | *39.3 (*86.6) | *39.3 (*86.6) | *38.8 (*85.5) | *38.8 (*85.5) | *27.7 (*61.1) | *27.7 (*61.1) | | | | | |

*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.

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EX2600-6

STANDARD / OPTIONAL EQUIPMENT

For the EX2600-6 equipped with a diesel engine.

Key: ● Standard ▲ Optional or special kit

| 2600 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 N ₂ gas accumulator and relief valve |
| ● 1000-mm (40 in.) triple grouser shoes |
| Upperstructure |
| ● Lockable machine covers |
| ● 30 000 kg (66,139 lb.) counterweight |
| ● Hydraulic drive grease gun with hose reel |
| ● Folding stairs with wide steps |
| ● Swing parking brake |
| Cab |
| ● OPG top guard level II (ISO) 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 |

| 2600 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 |
| ● Auto air conditioner with defroster |
| ● Rearview mirror |
| ● Evacuation hammer |
| ● Emergency escape device |
| ● Trainer's seat |
| ● Pilot control shut-off lever |
| Monitor Systems |
| Meters |
| ● Hour meter |
| ● Fuel gauge |
| ● Hydraulic oil temperature gauge |
| ● Engine coolant temperature gauge |
| ● Tachometer |
| ● Engine oil pressure gauge |
| ● Engine oil temperature gauge |
| ● Battery voltage gauge |
| ● Ambient temperature |
| ● Clock |
| 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 |
| ● Fuel temperature |
| ● Fast-filling |
| ● Engine warning |
| ● Hydraulic oil overheat |
| ● Stairway position |
| ● Electrical equipment box |
| ● Pump contamination |
| ● Air cleaner restriction |

| 2600 Monitor System (continued) |
|--|
| 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 |
| ● 2 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* |
| ▲ Fast-filling couplers |

*Engineered on request.

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

See your Hitachi dealer for further information.

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