

MINING EXCAVATOR

# EX5600-6

SALES BROCHURE

# EX5600



**BUCKET CAPACITY:**

BACKHOE (SAE HEAPED 1:1): 34 m<sup>3</sup> (44.5 cu. yd.)

SHOVEL (SAE HEAPED 2:1): 27 - 30.6 m<sup>3</sup> (35.3 - 40 cu. yd.)

**OPERATING WEIGHT:**

BACKHOE: 537 000 kg (1,183,882 lb.)

SHOVEL: 533 000 kg (1,175,064 lb.)

**RATED POWER:**

2 x 1119 kW (2 x 1,500 hp)

**HITACHI**

## ROCK-SOLID PERFORMANCE. NO DISTRACTIONS.

### 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 EX5600-6, 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 EX5600-6, you get a...

### WORLD-CLASS MINING EXCAVATOR.





# SPECIALISTS





# PRODUCTIVITY



### Bucket Passes to Dump Trucks

	Truck	Nominal Payload	Bucket Capacity	Passes to Fill							
				1	2	3	4	5	6	7	
Shovel	EH3500AC-3	181 tonnes (200 tons)	29-m <sup>3</sup> (38 cu. yd.) Bucket								
Backhoe	EH3500AC-3	181 tonnes (200 tons)	34-m <sup>3</sup> (44.5 cu. yd.) Bucket								
Shovel	EH4000AC-3	221 tonnes (243.6 tons)	29-m <sup>3</sup> (38 cu. yd.) Bucket								
Backhoe	EH4000AC-3	221 tonnes (243.6 tons)	34-m <sup>3</sup> (44.5 cu. yd.) Bucket								
Shovel	EH5000AC-3	296 tonnes (326 tons)	29-m <sup>3</sup> (38 cu. yd.) Bucket								
Backhoe	EH5000AC-3	296 tonnes (326 tons)	34-m <sup>3</sup> (44.5 cu. yd.) Bucket								



# MAJOR PRODUCTION IN THE TOUGHEST CONDITIONS.

## PROVEN PRODUCTIVITY.

The EX5600-6 is built to tackle your tough jobs. Twin Cummins QSKTA50-CE 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, 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 EX5600-6 pairs well with the EH3500AC-3, EH4000-AC3 and EH5000AC-3 trucks and is available in a backhoe or front-shovel configuration. Add the EX5600-6 to your fleet, so you can...

**WORK ANYWHERE, ANYTIME.**

### ■ Powerful Engine.

Twin Cummins QSKTA50-CE diesel engines meet 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.

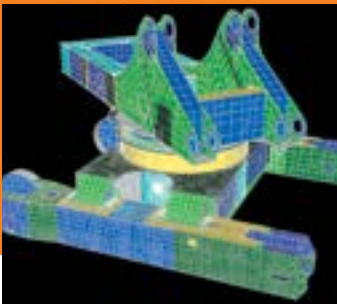


# MORE DURABILITY. MORE UPTIME.

### STRENGTH BUILT IN.

The EX5600-6 is designed and built with strength you can count on. Toughness is built-in with the rigid box design and integrated cast steel structures into the center track frame. High-mounted travel motors are guarded against rock damage, and strategically positioned oil coolers are designed to give you more uptime. Add it all up, and the EX5600-6 is...

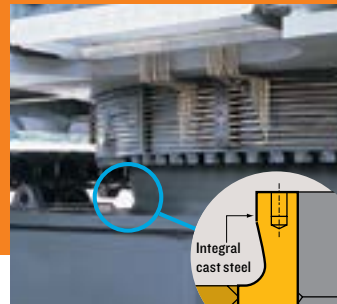
### DURABLE AND EFFICIENT.



■ 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.



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





■ Rugged track links include roller guides to help extend service life.

■ 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.





# COMFORT

■ 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 7.64-meter (25.1 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.





# COMFORTABLE CAB FOR PRODUCTIVE OPERATORS.

## EFFICIENT AND SAFE SPACE.

The EX5600-6 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 EX5600-6, you get...

## MORE COMFORT, MORE PRODUCTIVITY.



■ 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.

# EXTENDED PRODUCTIVITY. MINIMIZED MAINTENANCE.

## LOWER OPERATING COSTS.

When it comes to maintenance, the EX5600-6 provides big advantages. The simple servicing, inspection and cleaning of the EX5600-6 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 EX5600-6, you save time and money while getting...

## MORE UPTIME. LESS 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.



■ 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.



# MAINTENANCE



■ A walkway around the entire counterweight provides easy access to rear areas for faster, safer inspections and maintenance.

■ 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.



**EX5600-6**

MINING EXCAVATOR

# SUPPORT



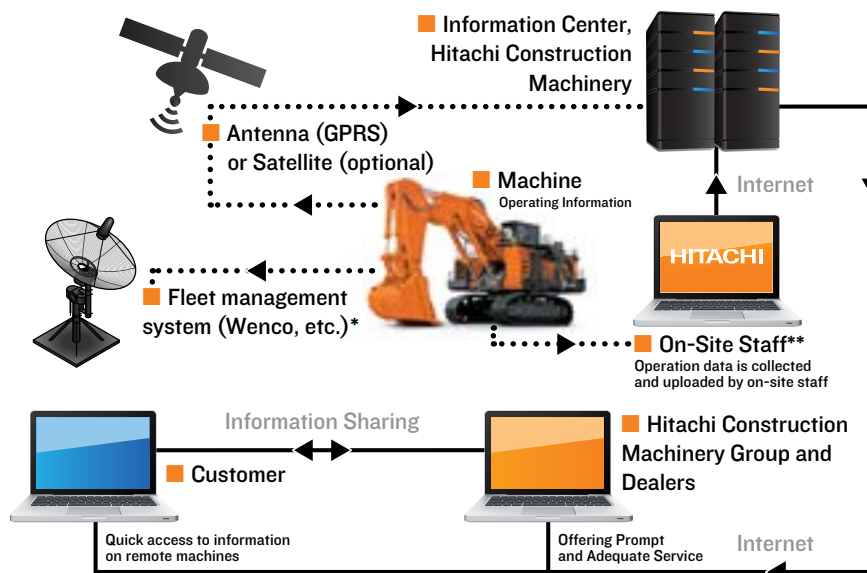


# WHAT YOU NEED, WHEN YOU NEED IT.

## 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.

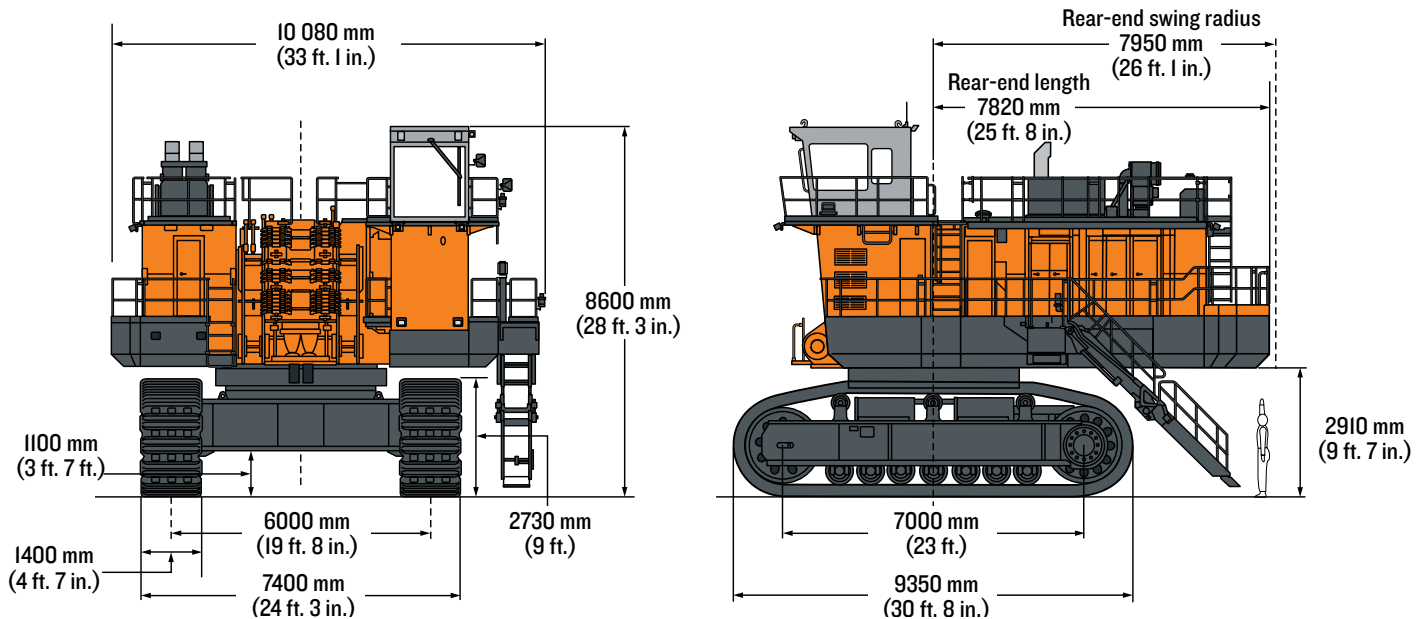


This online machine management system allows you to access each on-site machine from a PC in your office. You can get its operating information and location to increase productivity. Operating data and log are sent to a Hitachi server for processing, and then to customer and dealers. This system is available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



ILLUSTRATIONS SHOW DIESEL ENGINE MACHINE

Diesel Engine		EX5600-6		Electric Motor		EX5600E-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 x 2				
Rated power		Voltage	AC 6000 - 6600 V / 50 Hz				
Gross (SAE J1995)	2 x 1119 kW (2 x 1,500 hp) @ 1800 min <sup>-1</sup> (rpm)		AC 6600 - 6900 V / 60 Hz				
Net	2 x 1069 kW (2 x 1,434 hp) @ 1800 min <sup>-1</sup> (rpm)	Number of poles	4				
Maximum torque	2 x 6570 Nm (2 x 670 kgf-m) @ 1400 min <sup>-1</sup> (rpm)	Synchronous RPM	1 500 min-1 / 50 Hz				
Piston displacement	2 x 50 L (2 x 3,051 cu. in.)		1 800 min-1 / 60 Hz				
Bore and stroke	159 mm x 159 mm (6.3 in. x 6.3 in.)	Rated current	97 A x 2 @ 6600 V				
Starting system	24 V electric motor	Insulation class	F class B raise				
Batteries	6 x 12 V, 6 x 220 AH	Space heater included					
Cold starting	Ether aided	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 Hydraulic System (OHS)

Six tandem-axial piston pump groups (12 pumps in total), supply a six-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

12 variable-displacement, axial piston pumps for front attachment, travel and swing

Maximum oil flow 8 x 375 L/min (8 x 99.1 gal./min.), 4 x 425 L/min (4 x 112.3 gal./min.)

#### Pilot Pump

Gear pump (2)

Maximum oil flow 2 x 108 L/min. (28.5 gal./min.)

#### Relief Valve Settings

Implement circuit 29.4 MPa (300 kgf/cm<sup>2</sup>) (4,264 psi)

Travel circuit 29.4 MPa (300 kgf/cm<sup>2</sup>) (4,264 psi)

Swing circuit 24.5 MPa (250 kgf/cm<sup>2</sup>) (3,553 psi)

Pilot circuit 3.9 MPa (40 kgf/cm<sup>2</sup>) (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.



# EX5600-6

## Cylinder Dimensions (Backhoe)

	Quantity	Bore	Rod Diameter
BE-Boom	2	420 mm (16.5 in.)	300 mm (11.8 in.)
BE-Arm	2	360 mm (14.2 in.)	260 mm (10.2 in.)
Bucket	2	310 mm (12.2 in.)	230 mm (9.1 in.)

## Cylinder Dimensions (Loading Shovel)

	Quantity	Bore	Rod Diameter
Boom	2	420 mm (16.5 in.)	300 mm (11.8 in.)
Arm	1	360 mm (14.2 in.)	260 mm (10.2 in.)
Bucket	2	340 mm (13.4 in.)	250 mm (9.8 in.)
Dump	2	280 mm (11 in.)	160 mm (6.3 in.)
Level	1	420 mm (16.5 in.)	300 mm (11.8 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	6	10 $\mu$ m
High-pressure strainer (in main and swing pump line)	12	120 $\mu$ m
Drain filter (for all plunger-type pumps and motors)	1	10 $\mu$ m
Bypass filter (in oil cooler by-pass line)	1	5 $\mu$ m
Pilot filter	2	10 $\mu$ m

## Controls

### Two Implement Levers

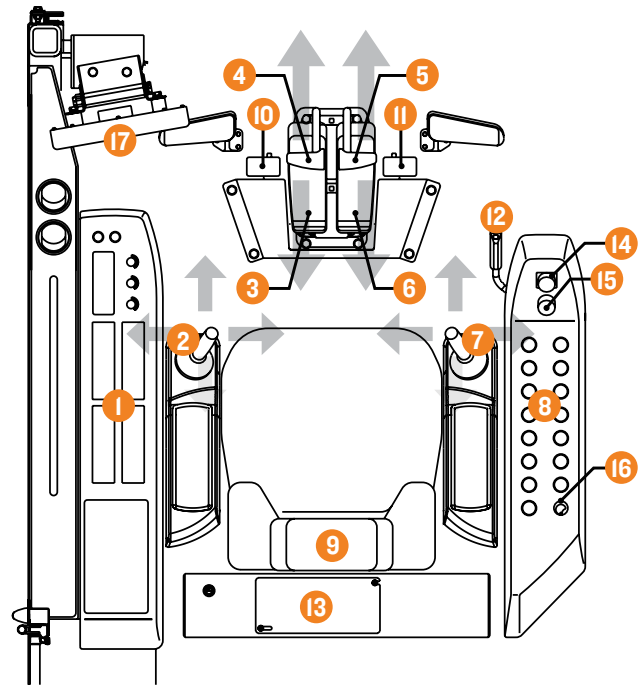
Electric joystick control levers. Right lever is for boom and bucket control, left lever for swing and arm control.

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



DIESEL ENGINE CONTROLS

### Upperstructure EX5600-6

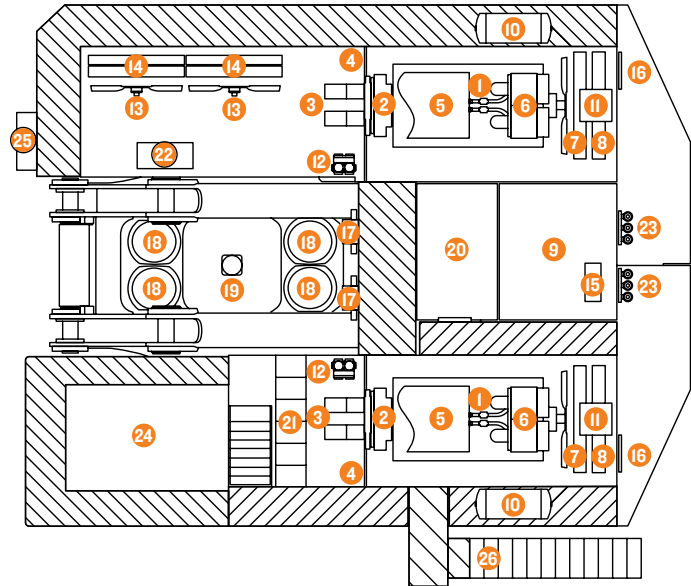
#### Revolving Frame

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



DECK MACHINERY  
FOR DIESEL ENGINE MACHINE

### Upperstructure EX5600E-6

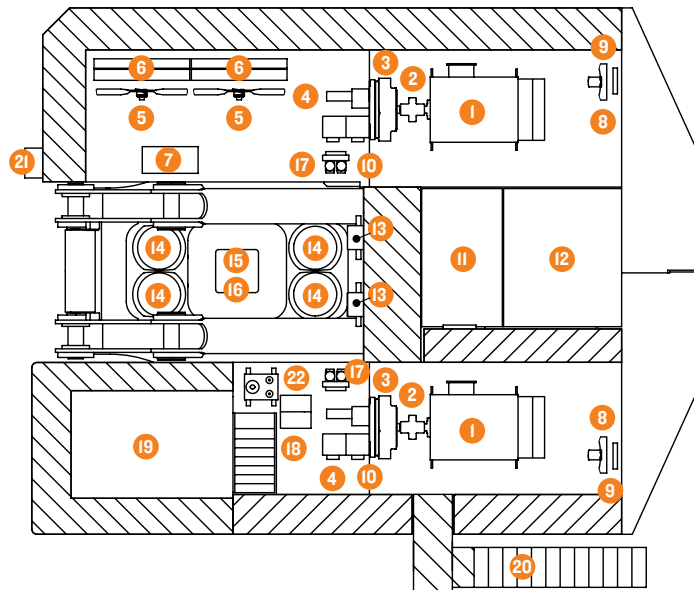
#### Revolving Frame

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



DECK MACHINERY  
FOR ELECTRIC MOTOR MACHINE



# EX5600-6

## Swing Device

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

Swing speed	3.3 min <sup>-1</sup> (rpm)
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## 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-m<sup>3</sup> (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	75 dB(A) in the cab at maximum engine speed under no-load condition
Eye-level height	7640 mm (25 ft. 1 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. Specially heat-treated connection pins. Hydraulic track adjuster provided with N<sub>2</sub> 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	1400 mm (55 in.)
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### 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. 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	2230 kN/227 000 kgf (500,449 lbf.)
Gradeability	58% (30°) maximum

## Weights and Ground Pressure

### Loading Shovel

Equipped with 29-m<sup>3</sup> (38 cu. yd.) (SAE heaped 2:1) bottom-dump bucket.

#### Diesel Engine

Shoe Type	Shoe Width	Operating Weight	Ground Pressure
Triple Grousers	1400 mm (55 in.)	533 000 kg (1,175,064 lb.)	234 kPa (2.39 kgf/cm <sup>2</sup> ) (33.9 psi)

#### Electric Motor

Shoe Type	Shoe Width	Operating Weight	Ground Pressure
Triple Grousers	1400 mm (55 in.)	527 000 kg (1,161,836 lb.)	232 kPa (2.37 kgf/cm <sup>2</sup> ) (33.6 psi)

### Backhoe

Equipped with 10.1-m (33 ft. 2 in.) BE boom, 5-m (16 ft. 5 in.) BE arm, and 34-m<sup>3</sup> (44.5 cu. yd.) (SAE heaped 1:1) bucket.

#### Diesel Engine

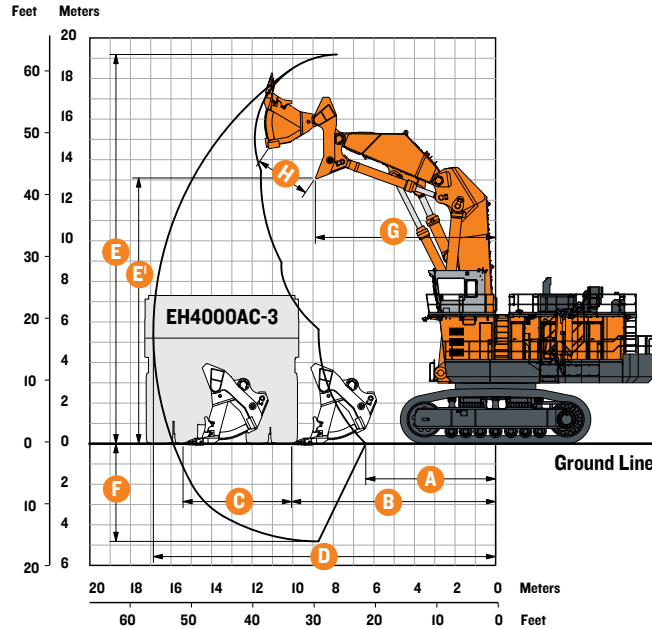
Shoe Type	Shoe Width	Operating Weight	Ground Pressure
Triple Grousers	1400 mm (55 in.)	537 000 kg (1,183,882 lb.)	236 kPa (2.41 kgf/cm <sup>2</sup> ) (34.2 psi)

#### Electric Motor

Shoe Type	Shoe Width	Operating Weight	Ground Pressure
Triple Grousers	1400 mm (55 in.)	531 000 kg (1,170,655 lb.)	234 kPa (2.38 kgf/cm <sup>2</sup> ) (33.9 psi)

## Service Refill Capabilities

	Diesel Powered	Electric Powered
Fuel tank	11 300 L (2,985 gal.)	
Engine coolant	2 x 450 L (2 x 119 gal.)	
Engine oil pan	2 x 150 L (2 x 40 gal.)	
Engine oil reserve tank	2 x 205 L (2 x 54 gal.)	
Pump transmission device	2 x 30 L (2 x 8 gal.)	2 x 30 L (2 x 8 gal.)
Swing device	4 x 84 L (4 x 22 gal.)	4 x 84 L (4 x 22 gal.)
Travel device	2 x 340 L (2 x 90 gal.)	2 x 340 L (2 x 90 gal.)
Hydraulic system	6200 L (1,638 gal.)	6200 L (1,638 gal.)
Hydraulic oil tank	2200 L (581 gal.)	2200 L (581 gal.)



### Working Ranges

Bucket Capacity (SAE Heaped 2:1)	27-m <sup>3</sup> (35.3 cu. yd.)	29-m <sup>3</sup> (38 cu. yd.)
A Min digging distance	6150 mm (20 ft. 2 in.)	6400 mm (21 ft.)
B Min level crowding distance	9800 mm (32 ft. 2 in.)	10 050 mm (33 ft.)
C Level crowding distance	5550 mm (18 ft. 3 in.)	5350 mm (17 ft. 7 in.)
D Max digging reach	16 600 mm (54 ft. 6 in.)	17 000 mm (55 ft. 9 in.)
E Max cutting height	18 900 mm (62 ft.)	19 200 mm (63 ft.)
E' Max dumping height	13 100 mm (43 ft.)	13 100 mm (43 ft.)
F Max digging depth	4550 mm (14 ft. 11 in.)	4800 mm (15 ft. 9 in.)
G Working radius at max dumping height	8900 mm (29 ft. 2 in.)	8900 mm (29 ft. 2 in.)
H Max bucket opening width	2700 mm (8 ft. 10 in.)	2700 mm (8 ft. 10 in.)
Bucket digging force	1710 kN / 174 000 kgf (384,423 lbf.)	1590 kN / 162 000 kgf (357,446 lbf.)
Arm crowding force	1570 kN / 160 000 kgf (352,950 lbf.)	1520 kN / 155 000 kgf (341,710 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
27-m <sup>3</sup> (35.3 cu. yd.)	4800 mm (15 ft. 9 in.)	6	44 100 kg (97,224 lb.)	Bottom-dump-type general purpose	1900 kg/m <sup>3</sup> (3,203 lb./cu. yd.) or less
29-m <sup>3</sup> (38 cu. yd.)	4800 mm (15 ft. 9 in.)	6	45 100 kg (99,428 lb.)	Bottom-dump-type general purpose	1800 kg/m <sup>3</sup> (3,034 lb./cu. yd.) or less
30.6-m <sup>3</sup> (40 cu. yd.)	4800 mm (15 ft. 9 in.)	6	45 400 kg (100,090 lb.)	Bottom-dump-type general purpose	1600 kg/m <sup>3</sup> (2,700 lb./cu. yd.) or less

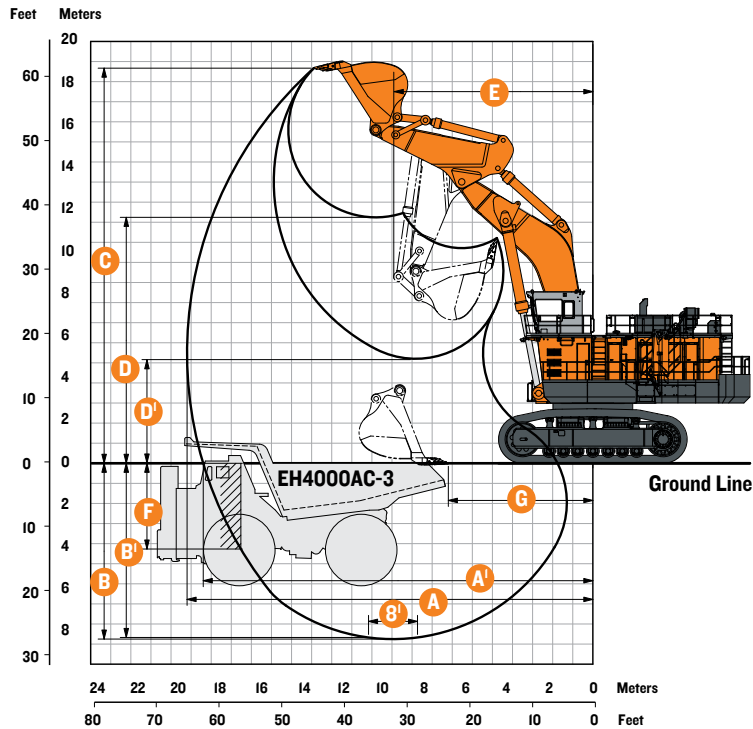
Note: These buckets do not include any type of wear protection for sides, bottom, and inside the bucket. Please consult your local Hitachi dealer for a proper wear protection system for your application. Please do not use the buckets without proper wear protection for your application.



# EX5600-6

Backhoe Attachment

EX5600-6



## Working Ranges

<b>BE-boom length</b>		10.1 m (33 ft. 2 in.)
<b>BE-arm length</b>		5 m (16 ft. 5 in.)
<b>A</b> Max digging reach		20 200 mm (66 ft. 3 in.)
<b>A'</b> Max digging reach (on ground)		19 400 mm (63 ft. 8 in.)
<b>B</b> Max digging depth		8800 mm (28 ft. 11 in.)
<b>B'</b> Max digging depth (2.5 m level)		8700 mm (28 ft. 7 in.)
<b>C</b> Max cutting height		19 700 mm (64 ft. 8 in.)
<b>D</b> Max dumping height		12 200 mm (40 ft.)
<b>D'</b> Min dumping height		5200 mm (17 ft. 1 in.)
<b>E</b> Min swing radius		9900 mm (32 ft. 6 in.)
<b>F</b> Max vertical wall		4300 mm (14 ft. 1 in.)
<b>G</b> Min level crowding distance		7200 mm (23 ft. 8 in.)
Bucket digging force	SAE	1370 kN / 140 000 kgf (307,988 lbf.)
	ISO	1480 kN / 151 000 kgf (332,717 lbf.)
Arm crowding force	SAE	1280 kN / 131 000 kgf (287,755 lbf.)
	ISO	1300 kN / 133 000 kgf (292,252 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
34-m <sup>3</sup> (44.5 cu. yd.)	4640 mm (15 ft. 3 in.)	5	33 400 kg (73,634 lb.)	General purpose	1800 kg/m <sup>3</sup> (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.

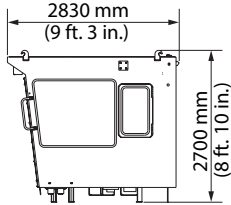
# TRANSPORTATION

### Upperstructure

### EX5600-6

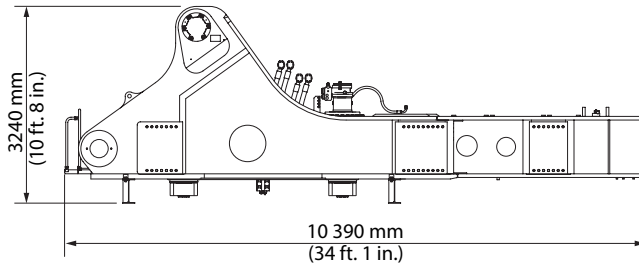
#### CAB

Weight: 1800 kg (3,968 lb.)  
Width: 1880 mm (6 ft. 2 in.)



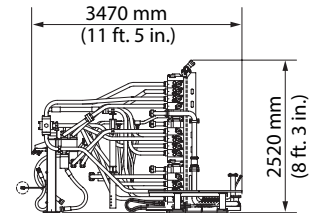
#### MAINFRAME ASSEMBLY

Weight: 48 300 kg (106,483 lb.)  
Width: 3500 mm (11 ft. 6 in.)



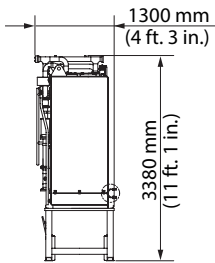
#### VALVE ASSEMBLY

Weight: 7540 kg (16,623 lb.)  
Width: 3090 mm (10 ft. 2 in.)



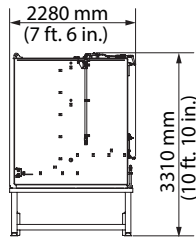
#### HYDRAULIC OIL TANK

Weight: 6730 kg (14,837 lb.)  
Width: 2310 mm (7 ft. 7 in.)



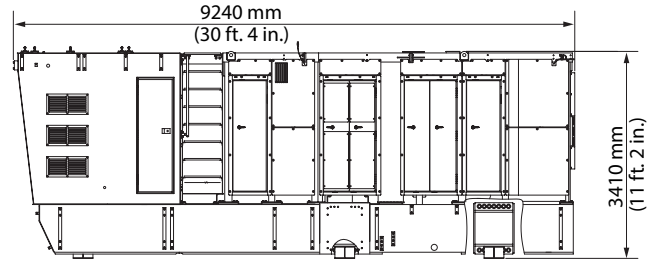
#### FUEL TANK

Weight: 4120 kg (9,083 lb.)  
Width: 2400 mm (7 ft. 11 in.)



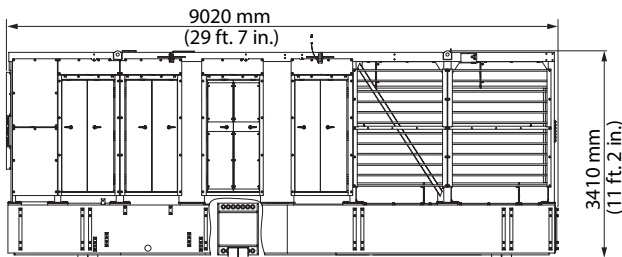
#### ENGINE UNIT (LEFT)

Weight: 26 500 kg (58,422 lb.)  
Width: 2600 mm (8 ft. 6 in.)



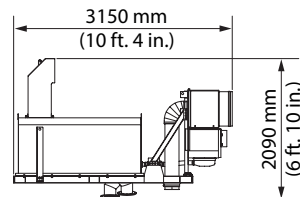
#### ENGINE UNIT (RIGHT)

Weight: 27 300 kg (60,186 lb.)  
Width: 2400 mm (7 ft. 11 in.)



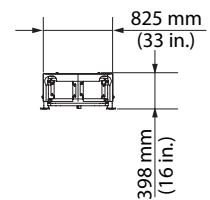
#### MUFFLERS AND AIR CLEANERS ASSEMBLY

Weight: 1040 kg (2,293 lb.)  
Width: 1350 mm (4 ft. 5 in.)



#### FUEL COOLER UNIT

Weight: 53 kg (117 lb.)  
Width: 402 mm (16 in.)





# EX5600-6

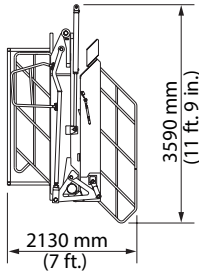
## TRANSPORTATION

Upperstructure (continued)

EX5600-6

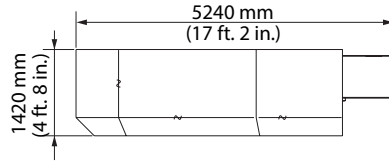
**FOLDING STAIRS**

Weight: 846 kg (1,865 lb.)  
Width: 1100 mm (3 ft. 7 in.)



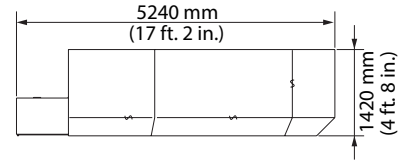
**COUNTERWEIGHT (LEFT)**

Weight: 24 300 kg (53,572 lb.)  
Width: 1540 mm (5 ft. 1 in.)



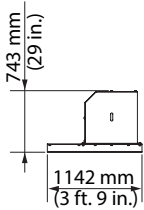
**COUNTERWEIGHT (RIGHT)**

Weight: 23 900 kg (52,690 lb.)  
Width: 1540 mm (5 ft. 1 in.)



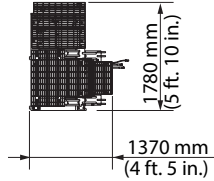
**WATER TANKS (LEFT / RIGHT)**

Weight: 177 kg (390 lb.) X 2  
Width: 735 mm (29 in.)



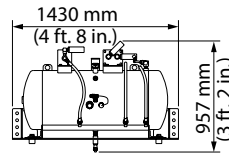
**BOX**

Weight: 953 kg (2,101 lb.)  
Width: 2000 mm (6 ft. 7 in.)



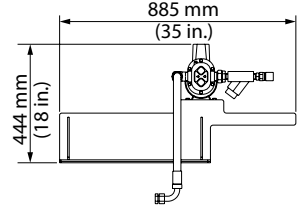
**RESERVE TANKS (LEFT / RIGHT)**

Weight: 370 kg (816 lb.) X 2  
Width: 508 mm (20 in.)



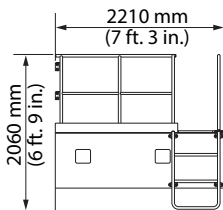
**HYDRAULIC OIL PUMP ASSEMBLY**

Weight: 43 kg (95 lb.)  
Width: 635 mm (25 in.)



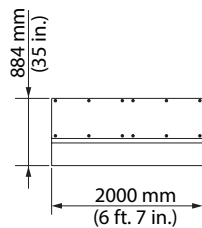
**FENDER**

Weight: 290 kg (639 lb.)  
Width: 881 mm (35 in.)



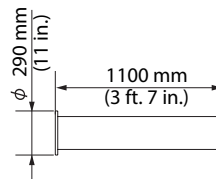
**GUARD**

Weight: 243 kg (536 lb.)  
Width: 695 mm (27 in.)



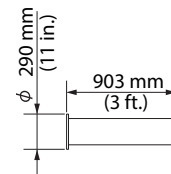
**PIPE**

Weight: 42 kg (93 lb.)  
Width: 290 mm (11 in.)



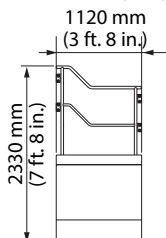
**PIPE**

Weight: 37 kg (82 lb.)  
Width: 290 mm (11 in.)



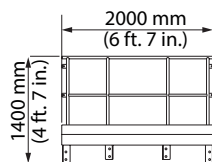
**FENDER**

Weight: 171 kg (377 lb.)  
Width: 677 mm (27 in.)



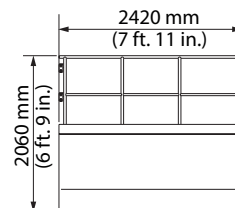
**FENDER**

Weight: 116 kg (256 lb.)  
Width: 677 mm (27 in.)



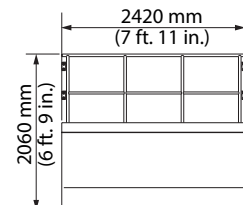
**FENDER**

Weight: 264 kg (582 lb.)  
Width: 677 mm (27 in.)



**FENDER**

Weight: 261 kg (575 lb.)  
Width: 677 mm (27 in.)



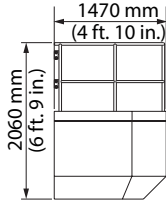
# TRANSPORTATION

Upperstructure (continued)

EX5600-6

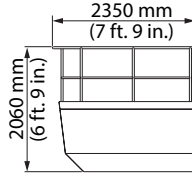
**FENDER**

Weight: 223 kg (492 lb.)  
Width: 677 mm (27 in.)



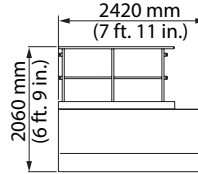
**FENDER**

Weight: 258 kg (569 lb.)  
Width: 682 mm (27 in.)



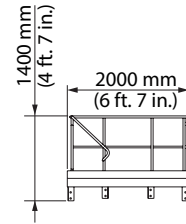
**FENDER**

Weight: 286 kg (631 lb.)  
Width: 677 mm (27 in.)



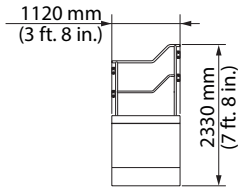
**FENDER**

Weight: 120 kg (265 lb.)  
Width: 797 mm (31 in.)



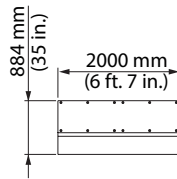
**FENDER**

Weight: 171 kg (377 lb.)  
Width: 677 mm (27 in.)



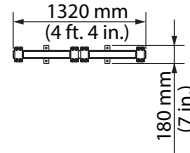
**GUARD**

Weight: 243 kg (536 lb.)  
Width: 695 mm (27 in.)



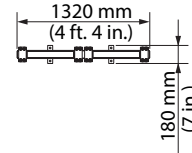
**BRACKET ASSEMBLY**

Weight: 18 kg (40 lb.)  
Width: 110 mm (4 in.)



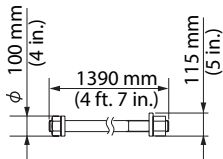
**BRACKET ASSEMBLY**

Weight: 18 kg (40 lb.)  
Width: 110 mm (4 in.)



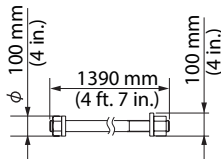
**BOLT ASSEMBLY**

Weight: 31 kg (68 lb.) X 4  
Width: 115 mm (5 in.)



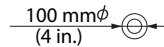
**BOLT ASSEMBLY**

Weight: 30 kg (66 lb.) X 10  
Width: 100 mm (4 in.)



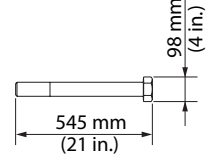
**WASHERS**

Weight: 0.8 kg (2 lb.) X 62  
Width: 20 mm (1 in.)



**BOLTS**

Weight: 11.2 kg (25 lb.) X 62  
Width: 85 mm (3 in.)





# EX5600-6

## TRANSPORTATION

Upperstructure (continued)		EX5600-6			
Other parts		Dimensions			
Content	Quantity	Length	Width	Height	Weight
Step 1	1	1014 mm (3 ft. 4 in.)	808 mm (32 in.)	1810 mm (5 ft. 11 in.)	75 kg (165 lb.)
Step 2	1	1110 mm (3 ft. 8 in.)	36 mm (1 in.)	573 mm (23 in.)	21 kg (46 lb.)
Step 3	1	973 mm (3 ft. 2 in.)	137 mm (5 in.)	573 mm (23 in.)	19 kg (42 lb.)
Step 4	2	970 mm (3 ft. 2 in.)	40 mm (2 in.)	550 mm (22 in.)	15 kg (33 lb.)
Step 5	1	560 mm (22 in.)	40 mm (2 in.)	550 mm (22 in.)	8 kg (18 lb.)
Step 6	1	546 mm (22 in.)	131 mm (5 in.)	605 mm (24 in.)	9 kg (20 lb.)
Step 7	1	1840 mm (6 ft.)	620 mm (24 in.)	1280 mm (4 ft. 2 in.)	67 kg (148 lb.)
Step 8	1	1720 mm (5 ft. 8 in.)	719 mm (28 in.)	1290 mm (4 ft. 3 in.)	96 kg (212 lb.)
Step 9	1	1770 mm (5 ft. 10 in.)	687 mm (27 in.)	1290 mm (4 ft. 3 in.)	112 kg (247 lb.)
Step 10	1	1680 mm (5 ft. 6 in.)	552 mm (22 in.)	1290 mm (4 ft. 3 in.)	78 kg (172 lb.)
Step 11	1	1690 mm (5 ft. 7 in.)	577 mm (23 in.)	1290 mm (4 ft. 3 in.)	85 kg (187 lb.)
Step 12	1	781 mm (31 in.)	710 mm (28 in.)	340 mm (13 in.)	53 kg (117 lb.)
Handrail 1	2	1920 mm (6 ft. 4 in.)	1230 mm (4 ft.)	981 mm (3 ft. 3 in.)	20 kg (44 lb.)
Handrail 2	2	2460 mm (8 ft. 1 in.)	343 mm (14 in.)	981 mm (3 ft. 3 in.)	25 kg (55 lb.)
Handrail 3	1	1310 mm (4 ft. 4 in.)	266 mm (10 in.)	992 mm (3 ft. 3 in.)	23 kg (51 lb.)
Handrail 4	1	399 mm (3 ft.)	266 mm (10 in.)	992 mm (3 ft. 3 in.)	12 kg (26 lb.)
Handrail 5	1	905 mm (36 in.)	767 mm (30 in.)	1020 mm (3 ft. 4 in.)	24 kg (53 lb.)
Handrail 6	1	254 mm (10 in.)	331 mm (13 in.)	1150 mm (3 ft. 9 in.)	12 kg (26 lb.)
Handrail 7	1	771 mm (30 in.)	265 mm (10 in.)	1860 mm (6 ft. 1 in.)	23 kg (51 lb.)
Handrail 8	1	1260 mm (4 ft. 2 in.)	348 mm (14 in.)	1580 mm (5 ft. 2 in.)	17 kg (37 lb.)
Handrail 9	1	580 mm (23 in.)	322 mm (13 in.)	1580 mm (5 ft. 2 in.)	15 kg (33 lb.)
Handrail 10	1	1930 mm (6 ft. 4 in.)	223 mm (9 in.)	1010 mm (3 ft. 4 in.)	28 kg (62 lb.)
Handrail 11	1	1250 mm (4 ft. 1 in.)	55 mm (2 in.)	1010 mm (3 ft. 4 in.)	16 kg (35 lb.)
Handrail 12	1	2410 mm (7 ft. 11 in.)	267 mm (11 in.)	1140 mm (3 ft. 9 in.)	36 kg (79 lb.)
Handrail 13	1	2410 mm (7 ft. 11 in.)	267 mm (11 in.)	1140 mm (3 ft. 9 in.)	32 kg (71 lb.)
Handrail 14	1	2510 mm (8 ft. 3 in.)	435 mm (17 in.)	1140 mm (3 ft. 9 in.)	35 kg (77 lb.)
Handrail 15	1	2150 mm (7 ft. 1 in.)	394 mm (16 in.)	1010 mm (3 ft. 4 in.)	31 kg (68 lb.)
Handrail 16	1	1880 mm (6 ft. 2 in.)	260 mm (10 in.)	1010 mm (3 ft. 4 in.)	25 kg (55 lb.)
Handrail 17	1	2410 mm (7 ft. 11 in.)	282 mm (11 in.)	1010 mm (3 ft. 4 in.)	40 kg (88 lb.)
Handrail 18	1	2510 mm (8 ft. 3 in.)	280 mm (11 in.)	1190 mm (3 ft. 11 in.)	36 kg (79 lb.)
Handrail 19	1	2060 mm (6 ft. 9 in.)	391 mm (15 in.)	1010 mm (3 ft. 4 in.)	30 kg (66 lb.)
Handrail 20	1	1990 mm (6 ft. 6 in.)	70 mm (3 in.)	1010 mm (3 ft. 4 in.)	28 kg (62 lb.)
Handrail 21	1	1300 mm (4 ft. 3 in.)	267 mm (11 in.)	1140 mm (3 ft. 9 in.)	23 kg (51 lb.)
Handrail 22	1	1080 mm (3 ft. 7 in.)	189 mm (7 in.)	982 mm (3 ft. 3 in.)	17 kg (37 lb.)
Handrail 23	1	1220 mm (4 ft.)	223 mm (9 in.)	1010 mm (3 ft. 4 in.)	18 kg (40 lb.)
Handrail 24	1	1290 mm (4 ft. 3 in.)	70 mm (3 in.)	1000 mm (3 ft. 4 in.)	18 kg (40 lb.)
Handrail 25	1	1730 mm (5 ft. 8 in.)	267 mm (11 in.)	1140 mm (3 ft. 9 in.)	31 kg (68 lb.)
Handrail 26	1	1590 mm (5 ft. 3 in.)	131 mm (5 in.)	1120 mm (3 ft. 8 in.)	21 kg (46 lb.)
Handrail 27	1	710 mm (28 in.)	50 mm (2 in.)	409 mm (16 in.)	6 kg (13 lb.)
Cover 1	2	611 mm (24 in.)	30 mm (1 in.)	1370 mm (4 ft. 6 in.)	18 kg (40 lb.)
Cover 2	2	510 mm (20 in.)	30 mm (1 in.)	905 mm (3 ft.)	11 kg (24 lb.)
Cover 3	1	230 mm (9 in.)	30 mm (1 in.)	940 mm (3 ft. 1 in.)	5 kg (11 lb.)
Cover 4	1	230 mm (9 in.)	30 mm (1 in.)	870 mm (34 in.)	5 kg (11 lb.)
Cover 5	1	1830 mm (6 ft.)	462 mm (18 in.)	856 mm (34 in.)	41 kg (90 lb.)
Cover 6	1	1660 mm (5 ft. 5 in.)	200 mm (8 in.)	240 mm (9 in.)	22 kg (49 lb.)

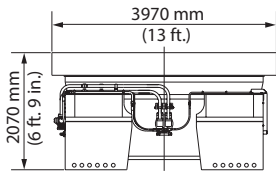
# TRANSPORTATION

### Undercarriage

### EX5600-6

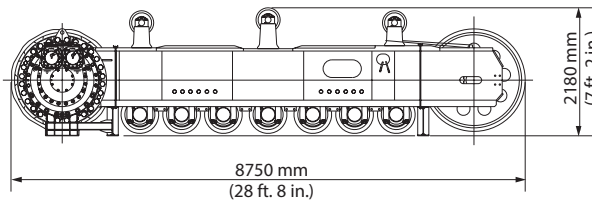
#### TRACK CENTER-FRAME ASSEMBLY

Weight: 48 500 kg (106,924 lb.)  
Width: 6120 mm (20 ft. 1 in.)



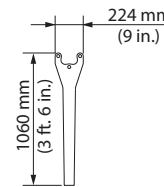
#### TRACK SIDE-FRAME ASSEMBLY

Weight: 46 000 kg (101,413 lb.) X 2  
Width: 2680 mm (8 ft. 10 in.)



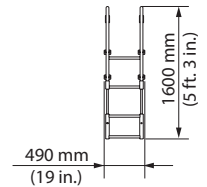
#### STOPPER

Weight: 16 kg (35 lb.)  
Width: 19 mm (1 in.)



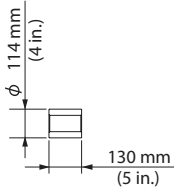
#### LADDER

Weight: 32 kg (71 lb.)  
Width: 600 mm (24 in.)



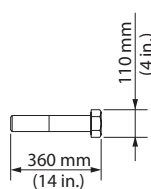
#### SPACERS

Weight: 7.1 kg (16 lb.) X 56  
Width: 114 mm (4 in.)



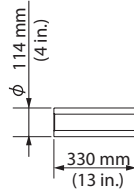
#### BOLTS

Weight: 10.1 kg (22 lb.) X 56  
Width: 95 mm (4 in.)



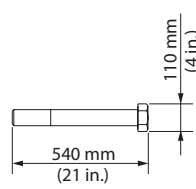
#### SPACERS

Weight: 17.1 kg (38 lb.) X 24  
Width: 114 mm (4 in.)



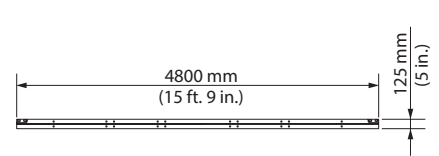
#### BOLTS

Weight: 14.6 kg (32 lb.) X 24  
Width: 95 mm (4 in.)



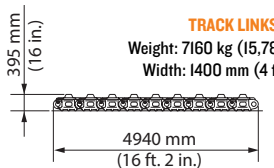
#### SUPPORT

Weight: 114 kg (251 lb.)  
Width: 125 mm (5 in.)



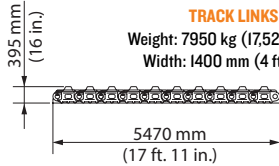
#### TRACK LINKS

Weight: 7160 kg (15,785 lb.) X 2  
Width: 1400 mm (4 ft. 7 in.)



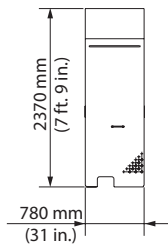
#### TRACK LINKS

Weight: 7950 kg (17,527 lb.) X 6  
Width: 1400 mm (4 ft. 7 in.)



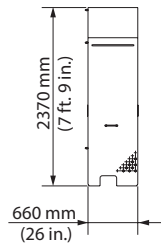
#### MOTOR COVER

Weight: 83 kg (183 lb.)  
Width: 800 mm (31 in.)



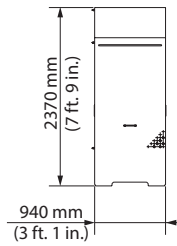
#### MOTOR COVER

Weight: 69 kg (152 lb.)  
Width: 800 mm (31 in.)



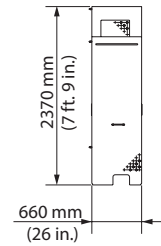
#### MOTOR COVER

Weight: 98 kg (216 lb.)  
Width: 800 mm (31 in.)



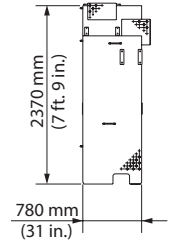
#### MOTOR COVER

Weight: 72 kg (159 lb.)  
Width: 800 mm (31 in.)



#### MOTOR COVER

Weight: 92 kg (203 lb.)  
Width: 819 mm (32 in.)



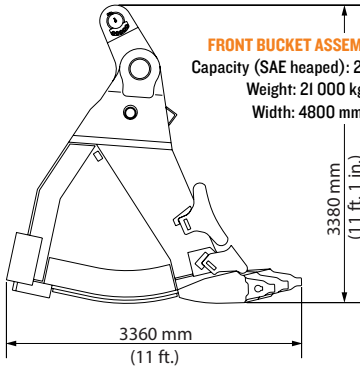


# EX5600-6

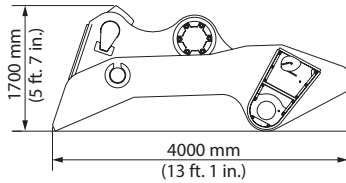
## TRANSPORTATION

### Loader Attachments

### EX5600-6

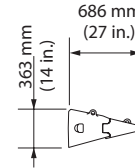


**FRONT BUCKET ASSEMBLY WITH SHROUD**  
Capacity (SAE heaped): 29.0 m<sup>3</sup> (38.0 cu. yd.)  
Weight: 21 000 kg (46,297 lb.)  
Width: 4800 mm (15 ft. 9 in.)

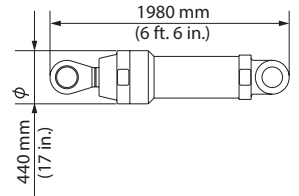


**REAR BUCKET ASSEMBLY**  
Weight: 20 500 kg (45,195 lb.)  
Width: 4790 mm (15 ft. 9 in.)

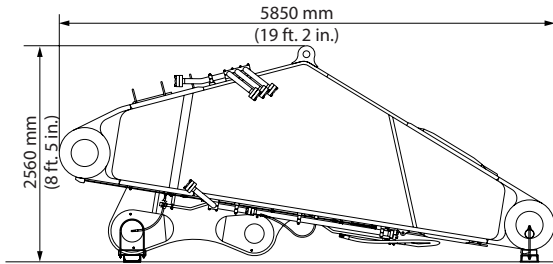
**TEETH**  
Weight: 242 kg (534 lb.) X 6  
Width: 377 mm (15 in.)



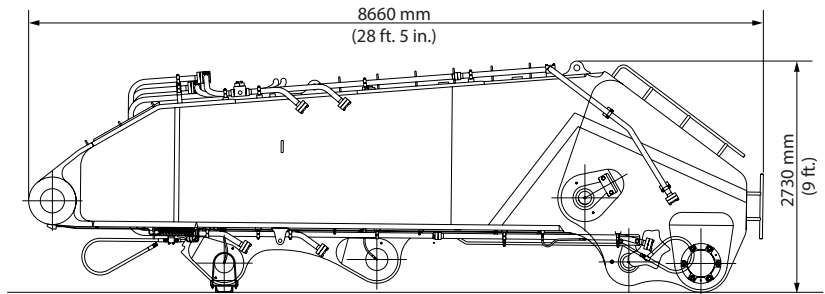
**DUMP CYLINDERS**  
Weight: 985 kg (2,172 lb.) X 2  
Width: 443 mm (17 in.)



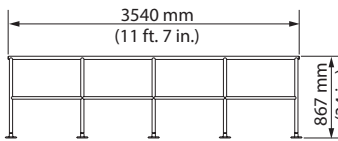
**ARM ASSEMBLY**  
Weight: 21 300 kg (46,958 lb.)  
Width: 3210 mm (10 ft. 6 in.)



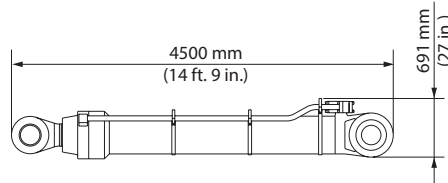
**BOOM ASSEMBLY**  
Weight: 36 400 kg (80,248 lb.)  
Width: 3210 mm (10 ft. 6 in.)



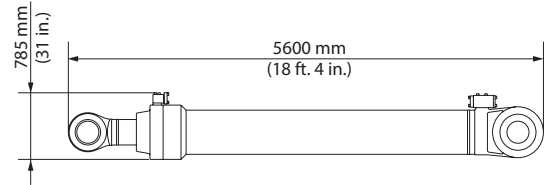
**HANDRAILS**  
Weight: 28 kg (62 lb.) X 2  
Width: 50 mm (2 in.)



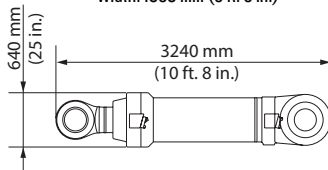
**ARM CYLINDER**  
Weight: 4320 kg (9,524 lb.)  
Width: 790 mm (31 in.)



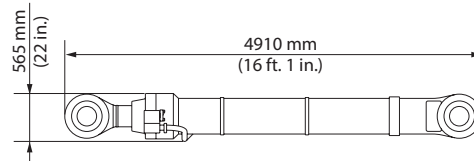
**BOOM CYLINDERS**  
Weight: 6600 kg (14,551 lb.) X 2  
Width: 640 mm (25 in.)



**LEVEL CYLINDER**  
Weight: 3840 kg (8,466 lb.)  
Width: 1050 mm (3 ft. 5 in.)



**BUCKET CYLINDERS**  
Weight: 4060 kg (8,951 lb.) X 2  
Width: 980 mm (3 ft. 3 in.)

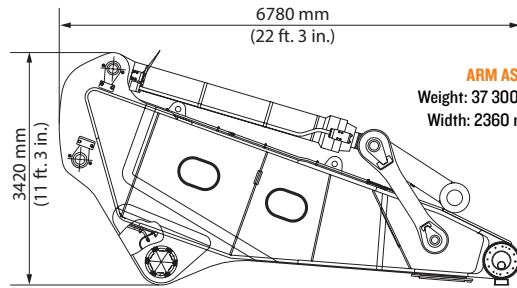
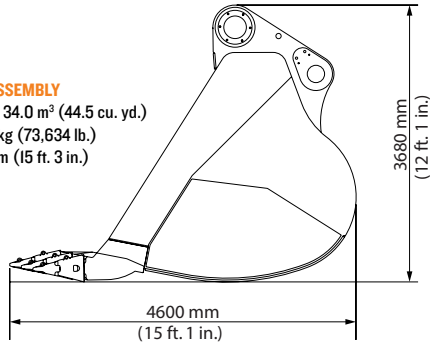


# TRANSPORTATION

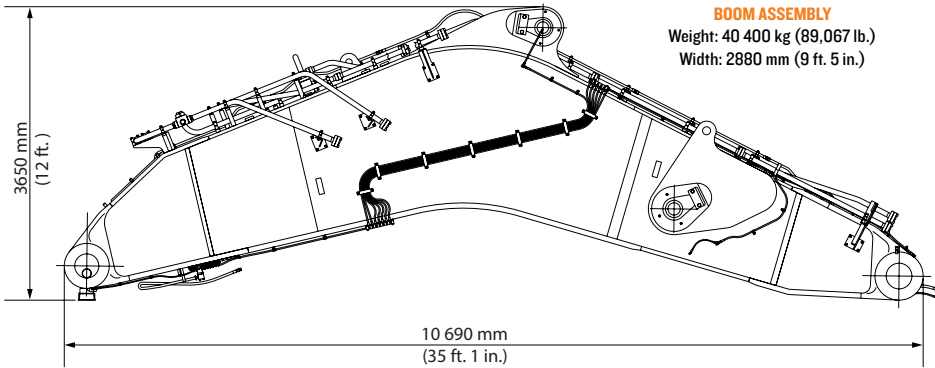
### Backhoe Attachments

### EX5600-6

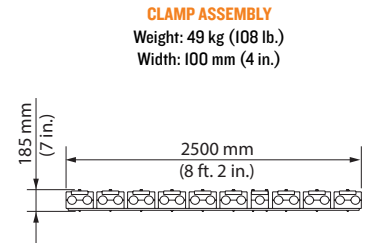
**BUCKET ASSEMBLY**  
 Capacity (SAE heaped): 34.0 m<sup>3</sup> (44.5 cu. yd.)  
 Weight: 33 400 kg (73,634 lb.)  
 Width: 4640 mm (15 ft. 3 in.)



**ARM ASSEMBLY**  
 Weight: 37 300 kg (82,232 lb.)  
 Width: 2360 mm (7 ft. 9 in.)

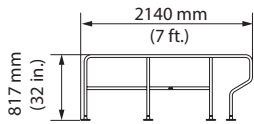


**BOOM ASSEMBLY**  
 Weight: 40 400 kg (89,067 lb.)  
 Width: 2880 mm (9 ft. 5 in.)

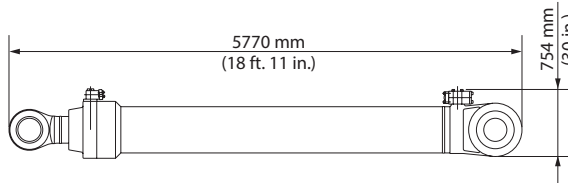


**CLAMP ASSEMBLY**  
 Weight: 49 kg (108 lb.)  
 Width: 100 mm (4 in.)

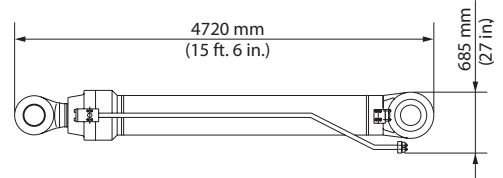
**HANDRAILS**  
 Weight: 19.4 kg (42.8 lb.) X 2  
 Width: 144 mm (6 in.)



**BOOM CYLINDERS**  
 Weight: 6880 kg (15,168 lb.) X 2  
 Width: 640 mm (25 in.)



**ARM CYLINDERS**  
 Weight: 4690 kg (10,340 lb.) X 2  
 Width: 865 mm (34 in.)



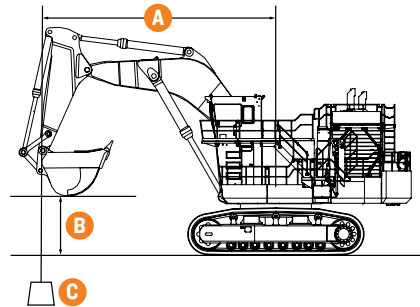
Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features. Before use, read and understand the Operator's Manual for proper operation.

# EX5600-6

## LIFTING CAPACITIES

EX5600-6 BE												Unit: 1000 kg (1,000 lb.)	
Load Point Height	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.)		16.0 m (52 ft. 6 in.)		At Maximum Reach		
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	
Horizontal Distance from Centerline of Rotation											meters (feet)		
EX5600-6 with 10.1-m (33 ft. 2 in.) BE boom, 5-m (16 ft. 5 in.) BE arm, 34-m <sup>3</sup> (44.5 cu. yd.) bucket (SAE) and 1400-mm (55 in.) shoes													
14.0 m (45 ft. 11 in.)							*33.5 (*73.9)	*33.5 (*73.9)			*34.1 (*75.2)	*20.8 (*45.9)	17.9 m (58 ft. 9 in.)
12.0 m (39 ft. 4 in.)							*40.9 (*90.2)	*40.9 (*90.2)			*34.2 (*75.4)	*19.9 (*43.9)	18.8 m (61 ft. 8 in.)
10.0 m (32 ft. 10 in.)							*39.2 (*86.4)	*39.2 (*86.4)	*39.5 (*87.1)	*39.5 (*87.1)	*35.7 (*78.7)	*19.8 (*43.7)	19.2 m (63 ft.)
8.0 m (26 ft. 3 in.)					*36.4 (*80.2)	*36.4 (*80.2)	*42.0 (*92.6)	*42.0 (*92.6)	*43.2 (*95.2)	*43.2 (*95.2)	*38.7 (*85.3)	*20.3 (*44.8)	19.4 m (63 ft. 8 in.)
6.0 m (19 ft. 8 in.)					*55.2 (*122)	*55.2 (*122)	*51.5 (*113.5)	*51.5 (*113.5)	*48.4 (*106.7)	*48.4 (*106.7)	*43.5 (*95.9)	*21.5 (*47.4)	19.4 m (63 ft. 8 in.)
4.0 m (13 ft. 1 in.)					*90.1 (*199)	*90.1 (*199)	*69.9 (*154.1)	*69.9 (*154.1)	*56.5 (*124.6)	*56.5 (*124.6)	48.6 (*107.1)	*23.6 (*52)	19.0 m (62 ft. 4 in.)
2.0 m (6 ft. 7 in.)					*92.1 (*203)	*92.1 (*203)	*71.8 (*158.3)	*71.8 (*158.3)	*56.8 (*125.2)	*56.8 (*125.2)	*47.1 (*103.8)	*26.7 (*58.9)	18.4 m (60 ft. 4 in.)
Ground Line					*88.9 (*196)	*88.9 (*196)	*69.2 (*152.6)	*69.2 (*152.6)	*53.2 (*117.3)	*53.2 (*117.3)			
-2.0 m (-6 ft. 7 in.)			*99.5 (*219.4)	*99.5 (*219.4)	*79.9* (*176.1)	*79.9* (*176.1)	*61.8 (*136.2)	*61.8 (*136.2)	*44.2 (*97.4)	*44.2 (*97.4)			
-4.0 m (-13 ft. 1 in.)	*91.6 (*201.9)	*91.6 (*201.9)	*78.2 (*172.4)	*78.2 (*172.4)	*63.8 (*140.7)	*63.8 (*140.7)	*47.1 (*103.8)	*47.1 (*103.8)					

\*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.



- A** LOAD RADIUS
- B** LOAD POINT HEIGHT
- C** LIFTING CAPACITY



# SPECS

## STANDARD / OPTIONAL EQUIPMENT

For the EX5600-6 equipped with a diesel engine.

Key: ● Standard ▲ Optional or special kit

### 5600 Engine

- I40 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<sub>2</sub> gas accumulator and relief valve
- I400-mm (55 in.) triple grouser shoes

### Upperstructure

- Lockable machine covers
- 48 800 kg (107,586 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

### 5600 Cab (continued)

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

### Monitor Systems

#### 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

#### 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

### 5600 Monitor Systems (continued)

- Stairway position
  - Electrical equipment box
  - Pump contamination
  - Air cleaner restriction
- #### Alarm buzzers
- Overheat
  - Engine coolant pressure
  - 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

- I2 high-brightness (HID) working lights
- 3 entrance lights
- IO maintenance 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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