

EX8000-6 SPECIFICATIONS



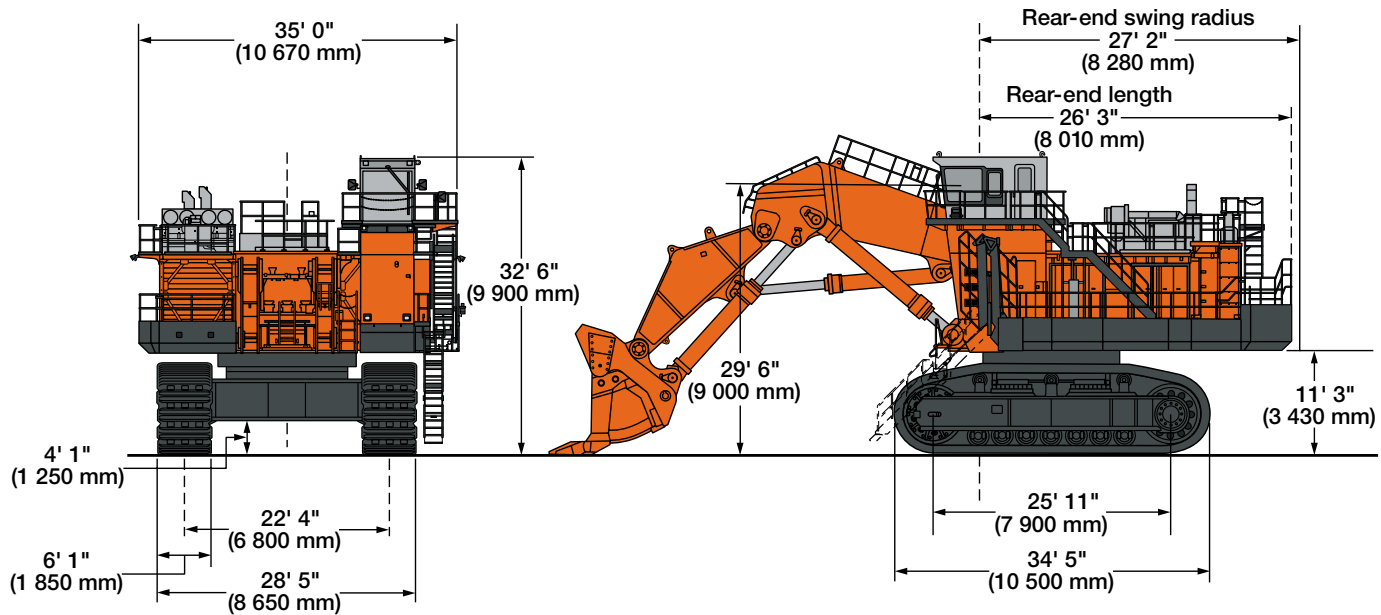
SHOVEL BUCKET CAPACITY (HEAPED):
SAE(2:1): 52.3 YD.³ (40.0 M³)

OPERATING WEIGHT:
LOADING SHOVEL 1,787,900 LB. (811 000 KG)

RATED POWER:
3,888 HP (2 900 KW)

HITACHI

EX8000-6 DIMENSIONS



STANDARD EQUIPMENT

Engine

140 A alternator
Heavy-duty-type air cleaner with dust ejector
Cartridge-type engine oil filter
Cartridge-type engine oil bypass filter
Cartridge-type fuel filter
Water filter
Fan guard
Isolation-mounted engine
Pre-lubrication system
Auto-idle system
Emergency engine stop system
Hydraulic drive cooling-fan system
Engine oil reserve system
Engine room cooling fan

Hydraulic System

E-P control system
I-OHS (Integrated Optimum Hydraulic System)
FPS (Fuel-saving Pump System)
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

Cab

The sturdy cab, with the top guard conforming to OPG 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 (green color) glass side windows
Parallel-link-type intermittent windshield wiper
Front windshield washer

Main 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
Electric travel pedals
Electric bucket open/close pedals
LED-type room lamps
Footrest
Air horn with electric compressor
Auto-tuning AM-FM radio with digital clock
Seat belt
Hot and cool box
Utility space 3 ft. 7 in. (1 100 mm) × 5 ft. 11 in. (1 800 mm)
Floor mat

Air conditioner with defroster
Rearview mirror
Evacuation hammer
Emergency escape device
Trainer's seat
Pilot control shut-off lever

Monitor System

Meters, pilot indicators, and warning indicators are displayed on the main display
Meters
Coolant temperature gauge
Tachometer
Engine oil pressure gauge
Engine oil temperature gauge
Hour meter
Fuel gauge
Battery voltage gauge
Hydraulic oil temperature gauge
Ambient temperature
Pilot indicator (Green):
Coolant level check
Engine oil level (oil pan) check
Engine oil level (reserve tank) check
Hydraulic oil level check
Prelub
Auto-lubrication

Auto-idle
Travel mode
Warning indicator (Red):
Alternator
Pump transmission oil level
Engine stop
Engine oil pressure
Coolant overheat
Coolant level
Engine over run
Fuel temperature
Exhaust temperature
Hydraulic oil level
Auto-lubrication
Stop valve
Electric lever
Fast filling
Emergency engine stop
Tension

Warning indicator (Yellow):

Engine oil pressure
Coolant overheat
Coolant level
Fuel temperature
Engine warning
Exhaust temperature
Air cleaner restriction
Stairway position
Hydraulic oil overheat
Pump contamination
Electrical equipment box

Alarm buzzers

Pump transmission oil level
Hydraulic oil level
Stop valve
Electric level
Fast filling
Stairway position

Satellite data transmitting system

Data Logging System

DLU (Data Logging Unit) continuously records performance of engine and hydraulic system; the record can be downloaded by PC and PDA

Lights

12 high brightness working lights
4 entrance lights
12 maintenance lights

Upperstructure

Lockable machine covers
176,400 lb. (80 000 kg) counterweight
Hydraulic drive grease gun with hose reel
Swing parking brake
Electric oil pump to draw hydraulic oil from suction and return pipe lines
Folding stairs for going up and down

Undercarriage

Travel parking brake
Travel motion alarm device
Hydraulic track adjuster with N₂ gas accumulator and relief valve
73 in. (1 850 mm) triple grouser shoes
Single-flange rollers

Miscellaneous

Electric crane (24V DC)
Standard tool kit
Stairs and handrails (meeting ISO)
Recirculation air filter for air conditioner
Additional air horn (right side)
Color monitor cameras for rear, right side, and left lower views
Ventilation air filter for air conditioner
12 V power terminal board
Stop valve for transport and reassembly
Auto-lubrication system (Lincoln) for front-attachment pins, swing bearing, and center joint
Fast-Filling System
Fast-filling drop-down panel with Wiggins coupler for fuel, engine oil, engine coolant, grease, pump transmission oil, and swing device oil

OPTIONAL EQUIPMENT

Upper slider
Travel motor guard
Travel device guard

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ENGINE	
Make	Cummins
Model	QSK60C
Type	4 cycle
Aspiration	Water-cooled, 16 cylinder, turbocharged and after cooled, direct-injection chamber-type diesel engine
Net power @ 1,800 rpm	1,940 hp (1 450 kW) x 2
Gross power @ 1,800 rpm (SAE J1995)	1,940 hp (1 450 kW) x 2
Maximum torque @ 1,500 rpm	6,156 lbf-ft. (8 346 N-m) (853 kgf-m) x 2
Bore and stroke	6.3 in. x 7.5 in. (159 x 190 mm)
Piston displacement	3,661.4 cu. in. (60 L) x 2
Batteries	8 x 12 V, 8 x 220 AH
Starting	24-volt electric
Cold starting	Ether aided

HYDRAULIC SYSTEM
Hitachi's Electronic Total control System (ETS) achieves maximum efficiency, productivity, and operator comfort through reduced fuel consumption, lower noise levels, optimized engine-pump functions, and excellent controllability.
Engine-Pump Control (E-P)
Main pumps are regulated by electronic engine-speed sensing control system.
Integrated Optimum Hydraulic System (I-OHS)
Sixteen main pumps, 6 control valves, and 2 sets of flow-assisting valves enable both independent and combined operations of all functions.

Additional Features
Fuel-saving Pump System (FPS).
Auto-idling system.
Hydraulic-drive cooling-fan system for oil cooler and engine radiator.
Forced-lubrication and forced-cooling pump drive system.

Main Pumps	
Sixteen variable-displacement, axial piston pumps for front attachment, travel, and swing.	
Maximum oil flow	16 x 132.1 gal./min. (16 x 500 L/min)

Pilot Pump	
Two gear pumps	
Maximum oil flow	29.0 gal./min. (2 x 110 L/min)

Relief Valve Settings	
Implement circuit	4,270 psi (300 kgf/cm ²) (29.4 MPa)
Swing circuit	4,270 psi (300 kgf/cm ²) (29.4 MPa)
Travel circuit	4,270 psi (300 kgf/cm ²) (29.4 MPa)
Pilot circuit	640 psi (45 kgf/cm ²) (4.4 MPa)

Hydraulic Cylinders
High-strength piston rods and tubes. Cylinder cushion mechanisms are provided for boom, arm, bucket, and dump cylinders. Stroke-end control system is provided for arm and bucket cylinders. Bucket cylinder of loading shovel is provided with protector.

Cylinder Dimensions (Loading Shovel)			
	Quantity	Bore	Rod Diameter
Boom	2	18.9 in. (480 mm)	13.4 in. (340 mm)
Arm	2	15.4 in. (390 mm)	10.6 in. (270 mm)
Bucket	2	15.4 in. (390 mm)	10.6 in. (270 mm)
Dump	2	12.2 in. (310 mm)	7.1 in. (180 mm)

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	10	10 μm
High-pressure strainer (in main and swing pump delivery line)	16	80 meshes
Drain filter (for all plunger-type pumps and motors)	1	10 μm
Pilot filter	2	10 μm
Bypass filter (in oil cooler bypass line)	1	5 μm



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CONTROLS

Two Implement Levers

Wrist-control-type electric lever. 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 counterrotation of tracks.

UPPERSTRUCTURE

Revolving Frame

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

Deck Machinery

Maintenance accessibility is the major feature in the layout of deck machinery. Folding stairs provides easy access to the deck machinery. The sidewalk also provides easy access to engines, hydraulic, and electrical components.

SWING DEVICE

Six 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 is spring-set, hydraulic-released disc type. This parking brake is manually releasable.

Swing speed 3.2 min⁻¹ (rpm)

OPERATOR'S CAB

The sturdy cab, with the top guard conforming to OPG Level II (ISO), helps protect the operator from falling objects. The 5 ft. 11 in. (1 800 mm) width, 11 ft. 0 in. (3 360 mm) length, 7 ft. 1 in. (2 150 mm) height roomy cab with tinted-glass windows features all-round visibility.

Multi-display (color, LCD, 10.5 in. [267 mm]) for centralized information of machine status. Color monitor cameras for rear, right side, and left lower views.

Pressurized 3 air conditioning system.

Noise level 75 dB (A) in the cab at maximum engine speed under no-load condition

Eye level height 29 ft. 6 in. (9 000 mm)

UNDERCARRIAGE

Tracks

Shovel-type undercarriage. Dual-flanged-type bolt linkage for side frame and X-form center frame ensures 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 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 specially heat-treated hardened cast steel.

Shoe width 73 in. (1 850 mm)

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 counterrotation of tracks. Two-stage planetary gear plus spur gears reduction device.

Dual-support-type traction device. Parking brake of spring-set/hydraulic-released disc type. This parking brake is manually releasable.

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

Low: 0–0.9 mph (0–1.4 km/h)

Maximum traction force 674,615 lbf (3 000 kN, 306 000 kgf)

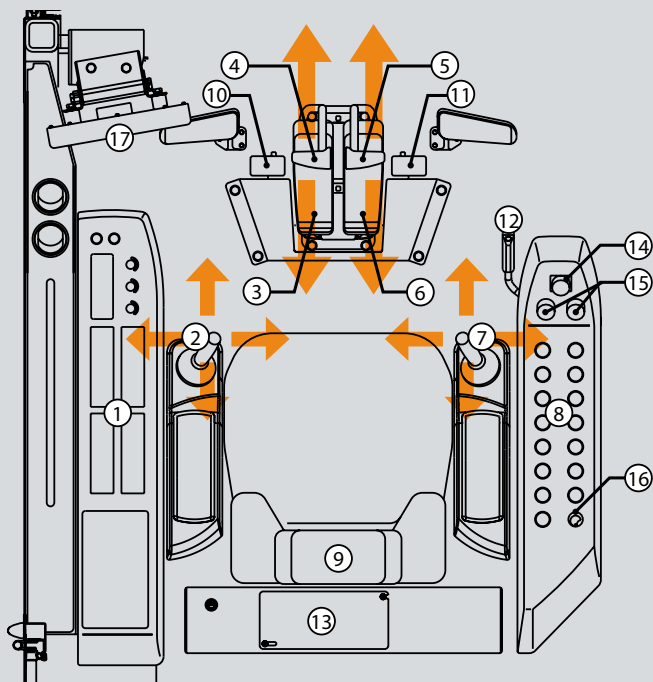
Gradeability 60% (30°) maximum

WEIGHTS AND GROUND PRESSURE

Loading Shovel: Equipped with 52.3 yd.³ (40.0 m³) (heaped) bottom dump bucket.

Shoe Type	Shoe Width	Operating Weight	Ground Pressure
Triple grousers	73 in. (1 850 mm)	1,787,900 lb. (811 000 kg)	35.5 psi (244 kPa) (2.5 kgf/cm ²)

BACKHOE CONTROL LAYOUT

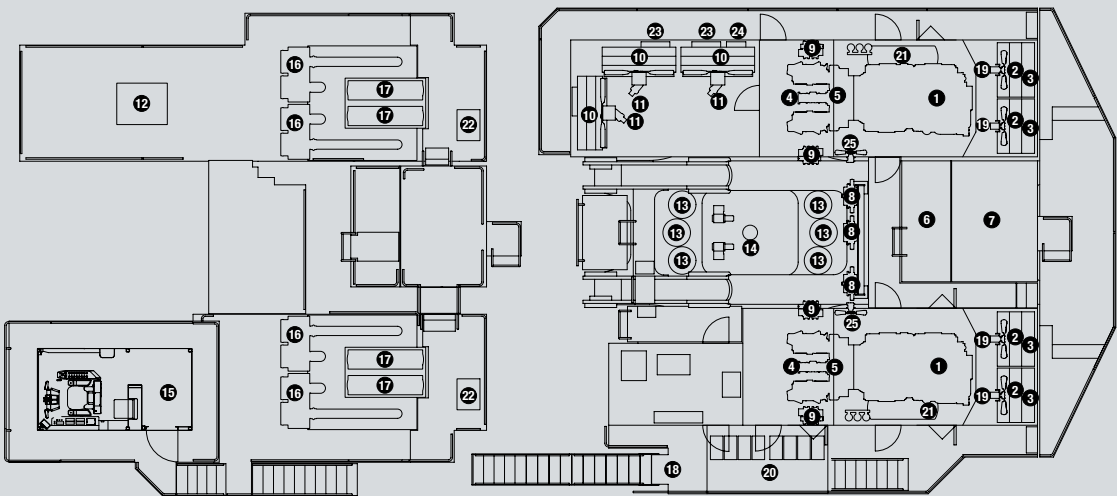


- 1. Left Console
- 2. Left Control Lever/Horn Switch
- 3. Left Travel Pedal
- 4. Left Travel Lever
- 5. Right Travel Lever
- 6. Right Travel Pedal
- 7. Right Control Lever/Horn Switch
- 8. Right Console
- 9. Operator's Seat
- 10. Bucket Close Pedal (For Loading Shovel)
- 11. Bucket Open Pedal (For Loading 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

SERVICE REFILL CAPACITIES

	US Gallons	Liters	Imperial Gallons
Fuel Tank	3,936	14 900	3,278
Engine Coolant	2 x 162	2 x 614	2 x 135
Engine Oil (engine oil pan)	2 x 69	2 x 260	2 x 57
Engine Oil (reserve tank)	2 x 68	2 x 280	2 x 57
Pump Transmission Device	2 x 16.4	2 x 62	2 x 11.4
Swing Device (each side)	6 x 20	6 x 75	6 x 16.5
Travel Device	2 x 130	2 x 490	2 x 108
Hydraulic System	2,562	9 700	2,133
Hydraulic Tank	1,028	3 890	856

DECK MACHINERY LAYOUT



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

EX8000-6 SHIPPING INFORMATION

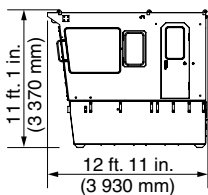
EX8000-6 components are designed for ease of transportation and on-site assembly.

Components can be assembled without welding.

UPPERSTRUCTURE

Cab assembly

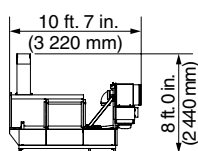
Weight: 8,135 lb. (3 690 kg)



Width: 6 ft. 0 in. (1 820 mm)

Intake, exhaust device

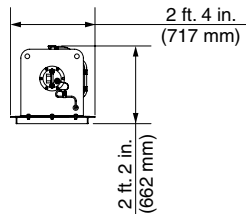
Weight: 3,197 lb. (1 450 kg)



Width: 8 ft. 4 in. (2 540 mm)

Water tank

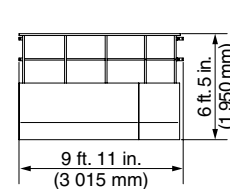
Weight: 265 lb. (120 kg)



Width: 3 ft. 0 in. (913 mm)

Fender

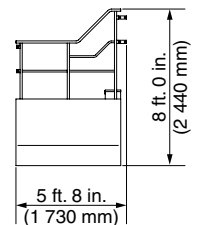
Weight: 1,532 lb. (695 kg)



Width: 4 ft. 10 in. (1 480 mm)

Fender

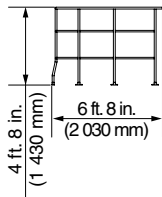
Weight: 419 lb. (190 kg)



Width: 2 ft. 3 in. (689 mm)

Handrail

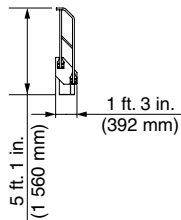
Weight: 62 lb. (28 kg)



Width: 1 ft. 5 in. (420 mm)

Step

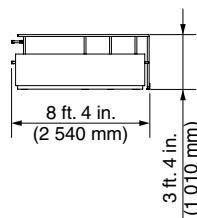
Weight: 66 lb. (30 kg)



Width: 2 ft. 9 in. (837 mm)

Handrail

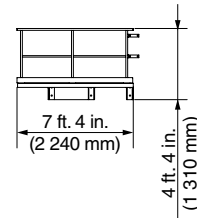
Weight: 157 lb. (71 kg)



Width: 1 ft. 11 in. (573 mm)

Step

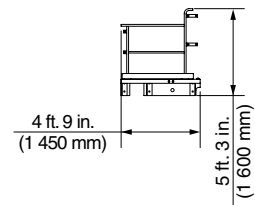
Weight: 243 lb. (110 kg)



Width: 2 ft. 4 in. (700 mm)

Step

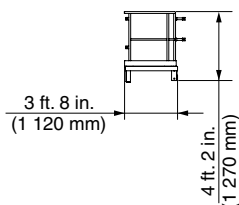
Weight: 192 lb. (87 kg)



Width: 2 ft. 4 in. (711 mm)

Step

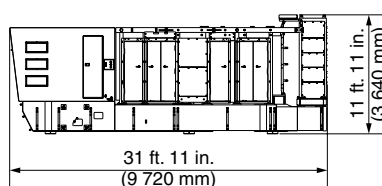
Weight: 161 lb. (73 kg)



Width: 2 ft. 5 in. (734 mm)

Engine unit (left)

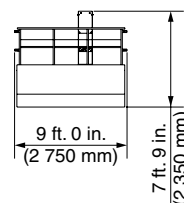
Weight: 80,469 lb. (36 500 kg)



Width: 9 ft. 3 in. (2 810 mm)

Battery box

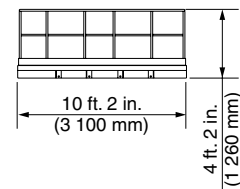
Weight: 2,822 lb. (1 280 kg)



Width: 4 ft. 10 in. (1 480 mm)

Step

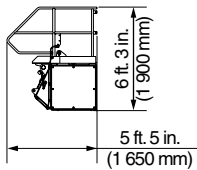
Weight: 426 lb. (193 kg)



Width: 1 ft. 11 in. (585 mm)

Ladder box

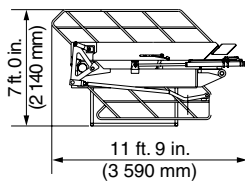
Weight: 1,790 lb. (812 kg)



Width: 5 ft. 9 in. (1 750 mm)

Ladder

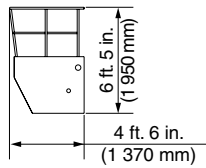
Weight: 1,978 lb. (897 kg)



Width: 3 ft. 7 in. (1 100 mm)

Fender

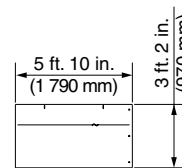
Weight: 320 lb. (145 kg)



Width: 1 ft. 7 in. (478 mm)

Cover

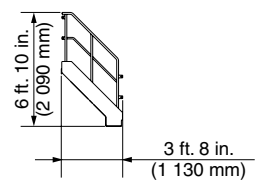
Weight: 130 lb. (59 kg)



Width: 1 ft. 7 in. (485 mm)

Step

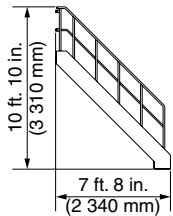
Weight: 273 lb. (124 kg)



Width: 2 ft. 4 in. (700 mm)

Step

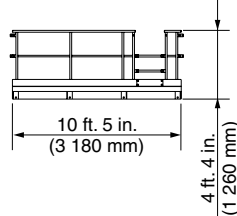
Weight: 492 lb. (223 kg)



Width: 2 ft. 4 in. (700 mm)

Step

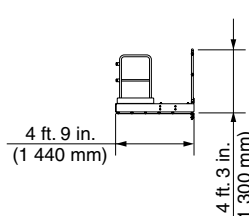
Weight: 410 lb. (186 kg)



Width: 1 ft. 11 in. (596 mm)

Step

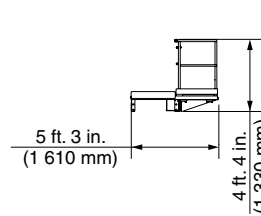
Weight: 313 lb. (142 kg)



Width: 2 ft. 10 in. (859 mm)

Step

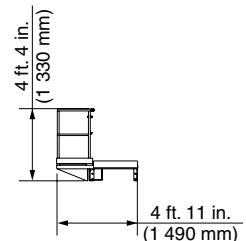
Weight: 260 lb. (118 kg)



Width: 4 ft. 0 in. (1 230 mm)

Step

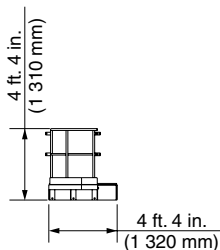
Weight: 223 lb. (101 kg)



Width: 3 ft. 4 in. (1 020 mm)

Step

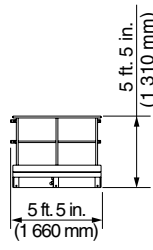
Weight: 406 lb. (184 kg)



Width: 4 ft. 8 in. (1 410 mm)

Step

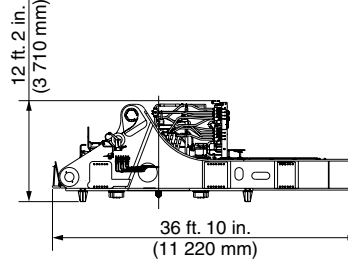
Weight: 265 lb. (120 kg)



Width: 2 ft. 2 in. (672 mm)

Main frame assembly

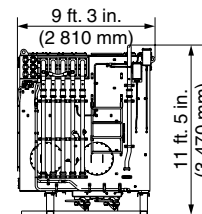
Weight: 159,174 lb. (72 200 kg)



Width: 13 ft. 1 in. (4 000 mm)

Oil tank assembly

Weight: 21,870 lb. (9 920 kg)

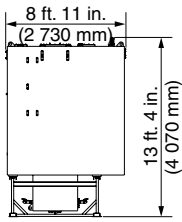


Width: 4 ft. 8 in. (1 410 mm)

UPPERSTRUCTURE

Fuel tank assembly

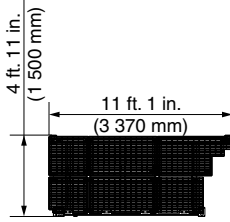
Weight: 15,609 lb. (7 080 kg)



Width: 7 ft. 2 in. (2 180 mm)

Step assembly

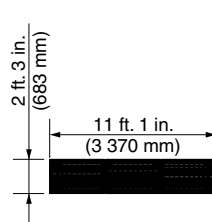
Weight: 648 lb. (294 kg)



Width: 9 in. (225 mm)

Step assembly

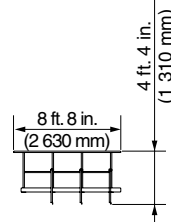
Weight: 421 lb. (191 kg)



Width: 5 in. (125 mm)

Handrail

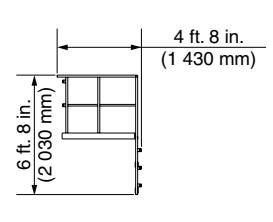
Weight: 68 lb. (31 kg)



Width: 10 in. (247 mm)

Handrail

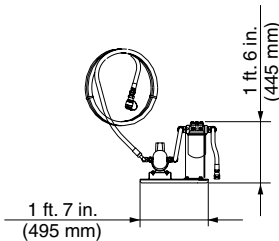
Weight: 64 lb. (29 kg)



Width: 1 ft. 2 in. (354 mm)

Hydraulic-oil suction device

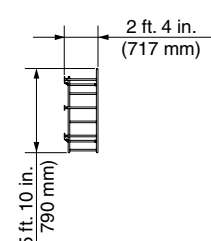
Weight: 93 lb. (42 kg)



Width: 1 ft. 7 in. (495 mm)

Ladder

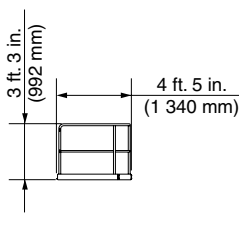
Weight: 57 lb. (26 kg)



Width: 10 in. (265 mm)

Handrail

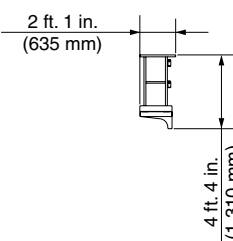
Weight: 53 lb. (24 kg)



Width: 2 ft. 3 in. (684 mm)

Step

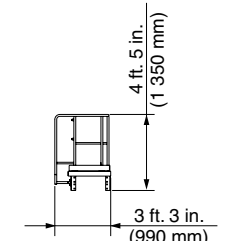
Weight: 168 lb. (76 kg)



Width: 3 ft. 5 in. (1 030 mm)

Step

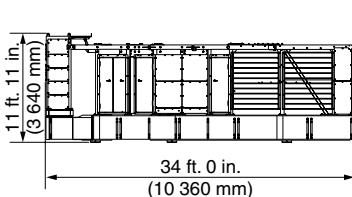
Weight: 190 lb. (86 kg)



Width: 2 ft. 5 in. (736 mm)

Engine unit (right)

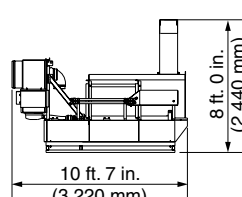
Weight: 93,917 lb. (42 600 kg)



Width: 9 ft. 2 in. (2 800 mm)

Intake, exhaust device

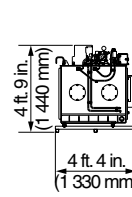
Weight: 3,241 lb. (1 470 kg)



Width: 8 ft. 5 in. (2 560 mm)

Grease tank

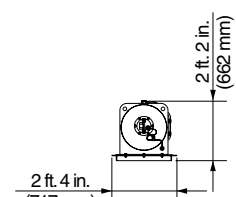
Weight: 2,646 lb. (1 200 kg)



Width: 3 ft. 9 in. (1 150 mm)

Water tank

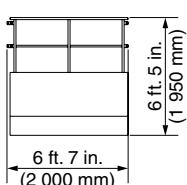
Weight: 265 lb. (120 kg)



Width: 3 ft. 0 in. (913 mm)

Fender

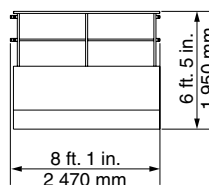
Weight: 664 lb. (301 kg)



Width: 2 ft. 3 in. (675 mm)

Fender

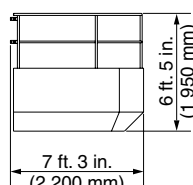
Weight: 498 lb. (226 kg)



Width: 2 ft. 3 in. (675 mm)

Fender

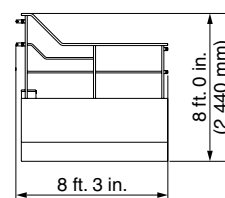
Weight: 214 lb. (233 kg)



Width: 2 ft. 3 in. (682 mm)

Fender

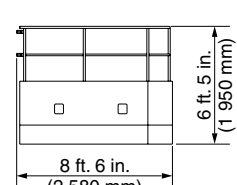
Weight: 547 lb. (248 kg)



Width: 2 ft. 3 in. (675 mm)

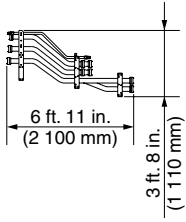
Fender

Weight: 639 lb. (290 kg)



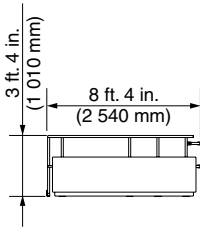
Width: 2 ft. 3 in. (677 mm)

Return piping assembly
Weight: 329 lb. (149 kg)



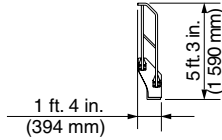
Width: 1 ft. 2 in. (351 mm)

Handrail
Weight: 157 lb. (71 kg)



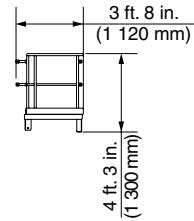
Width: 1 ft. 3 in. (370 mm)

Step
Weight: 135 lb. (61 kg)



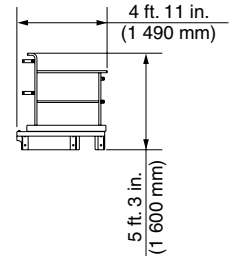
Width: 2 ft. 2 in. (652 mm)

Step
Weight: 161 lb. (73 kg)



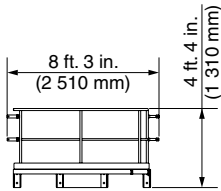
Width: 2 ft. 5 in. (734 mm)

Step
Weight: 192 lb. (87 kg)



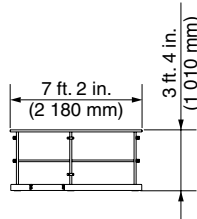
Width: 2 ft. 4 in. (700 mm)

Step
Weight: 280 lb. (127 kg)



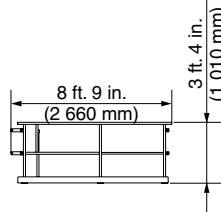
Width: 2 ft. 6 in. (772 mm)

Handrail
Weight: 62 lb. (28 kg)



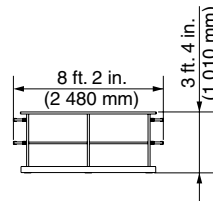
Width: 3 in. (83 mm)

Handrail
Weight: 77 lb. (35 kg)



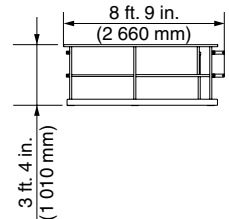
Width: 10 in. (266 mm)

Handrail
Weight: 66 lb. (30 kg)



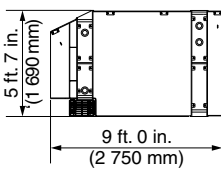
Width: 9 in. (223 mm)

Handrail
Weight: 75 lb. (34 kg)



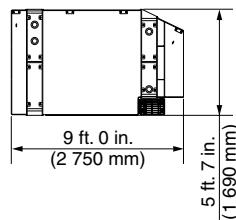
Width: 10 in. (266 mm)

Weight (right)
Weight: 21,936 lb. (9 950 kg)



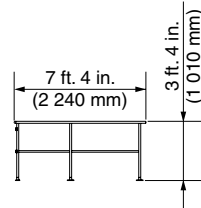
Width: 2 ft. 0 in. (610 mm)

Weight (left)
Weight: 21,936 lb. (9 950 kg)



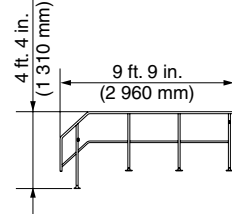
Width: 2 ft. 0 in. (610 mm)

Handrail
Weight: 42 lb. (19 kg)



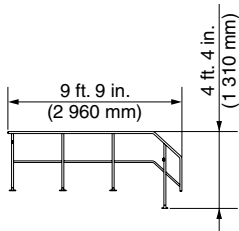
Width: 11 in. (283 mm)

Handrail
Weight: 57 lb. (26 kg)



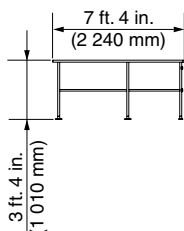
Width: 1 ft. 6 in. (467 mm)

Handrail
Weight: 60 lb. (27 kg)



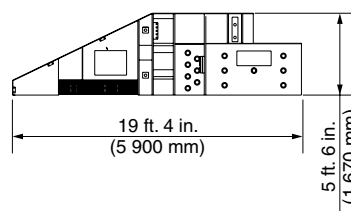
Width: 1 ft. 6 in. (467 mm)

Handrail
Weight: 42 lb. (19 kg)



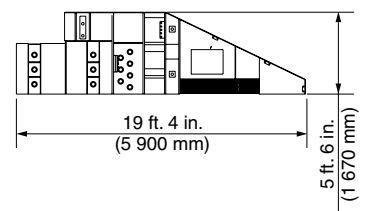
Width: 11 in. (283 mm)

Counterweight (right)
Weight: 65,036 lb. (29 500 kg)



Width: 5 ft. 0 in. (1 530 mm)

Counterweight (left)
Weight: 65,036 lb. (29 500 kg)

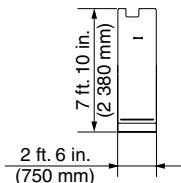


Width: 5 ft. 0 in. (1 520 mm)

UNDERCARRIAGE

Cover

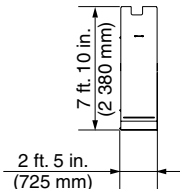
Weight: 152 lb. (69 kg)



Width: 1 ft. 8 in. (511 mm)

Cover

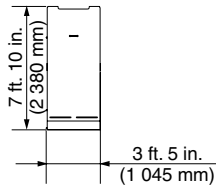
Weight: 146 lb. (66 kg)



Width: 1 ft. 8 in. (511 mm)

Cover

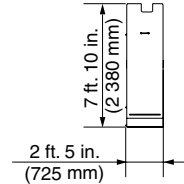
Weight: 227 lb. (103 kg)



Width: 1 ft. 8 in. (511 mm)

Cover

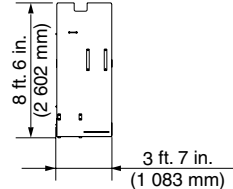
Weight: 146 lb. (66 kg)



Width: 1 ft. 8 in. (511 mm)

Cover

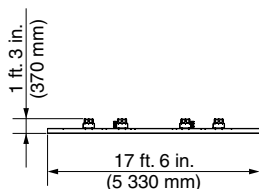
Weight: 304 lb. (138 kg)



Width: 2 ft. 9 in. (838 mm)

Motor cover stay

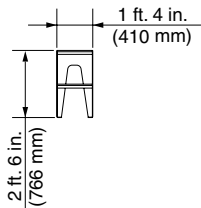
Weight: 355 lb. (161 kg)



Width: 5 in. (125 mm)

Step

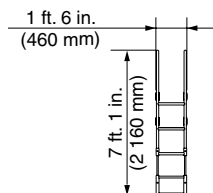
Weight: 77 lb. (35 kg)



Width: 1 ft. 4 in. (415 mm)

Ladder

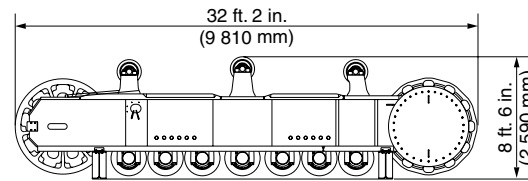
Weight: 57 lb. (26 kg)



Width: 2 ft. 1 in. (626 mm)

Track side frames

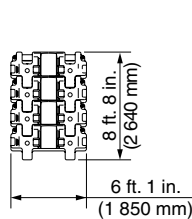
Weight: 140,214 lb. (63 600 kg) x 2



Width: 6 ft. 1 in. (1 862 mm)

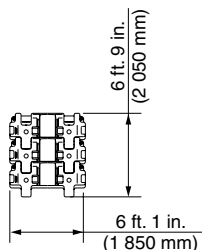
Track links

Weight: 12,919 lb.
A set: 5 860 kg x 18



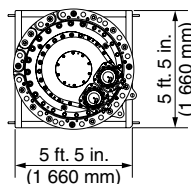
Width: 1 ft. 5 in. (440 mm)

Weight: 9,678 lb.
B set: 4 390 kg x 2



Travel devices

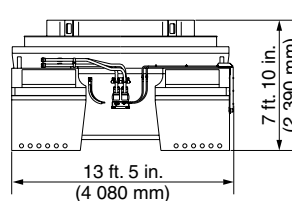
Weight: 23,810 lb. (10 800 kg) x 2



Width: 6 ft. 6 in. (1 970 mm)

Track frame assembly

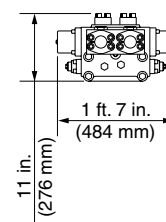
Weight: 132,277 lb. (60 000 kg)



Width: 23 ft. 8 in. (7 210 mm)

Valve brakes

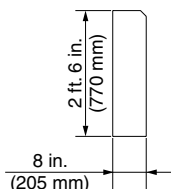
Weight: 132 lb. (60 kg) x 4



Width: 10 in. (252 mm)

Covers

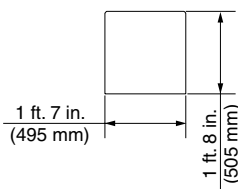
Weight: 53 lb. (24 kg) x 4



Width: 11 in. (290 mm)

Covers

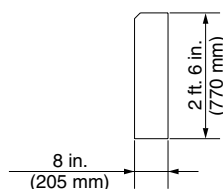
Weight: 49 lb. (22 kg) x 8



Width: 11 in. (290 mm)

Covers

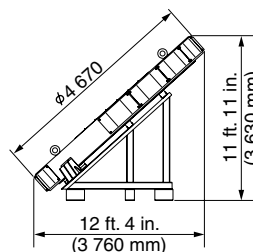
Weight: 53 lb. (24 kg) x 4



Width: 11 in. (290 mm)

Swing circle

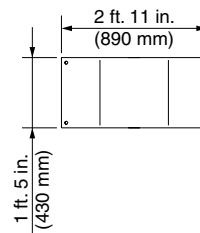
Weight: 48,502 lb. (22 000 kg)



Width: 15 ft. 4 in. (4 670 mm)

Covers

Weight: 49 lb. (22 kg) x 4

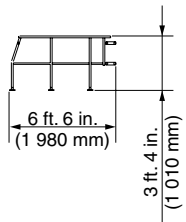


Width: 2 in. (61 mm)

LOADER ATTACHMENTS

Handrail

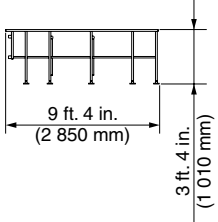
Weight: 44 lb. (20 kg)



Width: 1 ft. 5 in. (426 mm)

Handrail

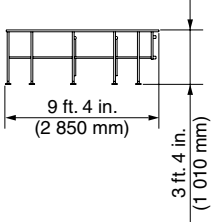
Weight: 73 lb. (33 kg)



Width: 11 in. (275 mm)

Handrail

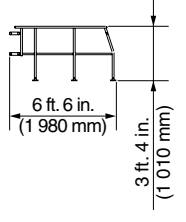
Weight: 73 lb. (33 kg)



Width: 11 in. (275 mm)

Handrail

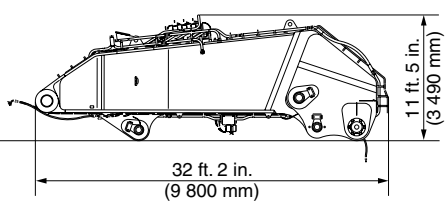
Weight: 44 lb. (20 kg)



Width: 1 ft. 5 in. (426 mm)

Boom assembly

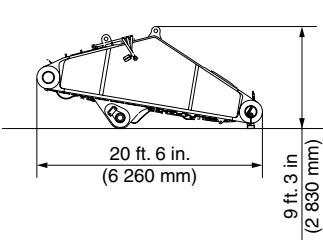
Weight: 126,104 lb. (57 200 kg)



Width: 10 ft. 8 in. (3 258 mm)

Arm assembly

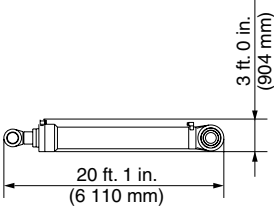
Weight: 68,564 lb. (31 100 kg)



Width: 12 ft. 0 in. (3 650 mm)

Boom cylinders

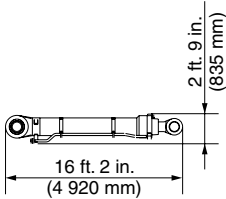
Weight: 21,429 lb. (9 720 kg) x 2



Width: 2 ft. 6 in. (760 mm)

Arm cylinders

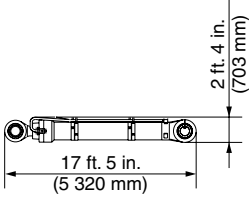
Weight: 11,067 lb. (5 020 kg) x 2



Width: 2 ft. 5 in. (725 mm)

Bucket cylinders

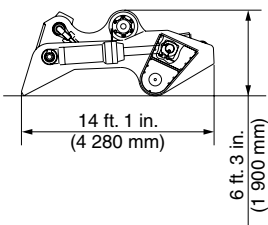
Weight: 121,916 lb. (55 300 kg) x 2



Width: 3 ft. 6 in. (1 070 mm)

Rear bucket assembly

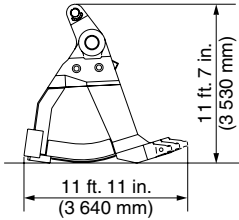
Weight: 72,312 lb. (32 800 kg)



Width: 18 ft. 5 in. (5 620 mm)

Front bucket assembly

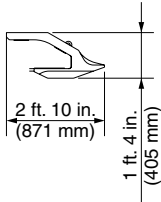
Weight: 57,100 lb. (25 900 kg)



Width: 18 ft. 6 in. (5 630 mm)

Shrouds

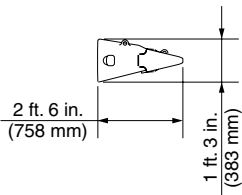
Weight: 761 lb. (345 kg) x 5



Width: 1 ft. 10 in. (568 mm)

Teeth

Weight: 776 lb. (352 kg) x 6

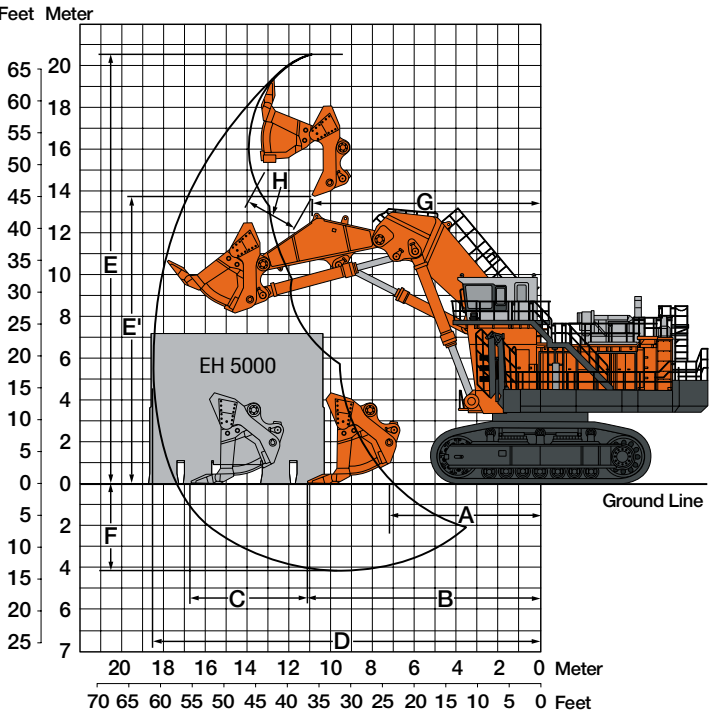


Width: 1 ft. 5 in. (430 mm)

EX8000-6 SPECIFICATIONS

LOADING SHOVEL ATTACHMENT

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



WORKING RANGES — BUCKET CAPACITY: 52.3 yd. ³ (40.0 m ³)	
A. Min. digging distance	23 ft. 6 in. (7 200 mm)
B. Min. level crowding distance	36 ft. 5 in. (11 100 mm)
C. Level crowding distance	18 ft. 4 in. (5 600 mm)
D. Max. digging reach	60 ft. 7 in. (18 500 mm)
E. Max. cutting height	67 ft. 3 in. (20 500 mm)
E'. Max. dumping height	45 ft. 3 in. (13 800 mm)
F. Max. digging depth	13 ft. 5 in. (4 100 mm)
G. Working radius at max. dumping height	35 ft. 9 in. (10 900 mm)
H. Max. bucket opening width	9 ft. 2 in. (2 800 mm)
Arm crowding force	645,000 lb. (293 000 kgf) (2 870 kN)
Breakout force	501,000 lb. (227 000 kgf) (2 230 kN)

BUCKET (SAE HEAPED 2:1)	
Capacity	52.3 yd. ³ (40.0 m ³)
Width	18 ft. 4 in. (5 600 mm)
Number of Teeth	6
Weight	138,000 lb. (62 500 kg)
Type	Bottom dump type, general purpose
Material	3,033 lb./yd. ³ (1 800 kg/m ³)

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.

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Specifications and design subject to change without notice.

