BACKHOE BUCKET CAPACITY:
(SAE HEAPED): 19.6 YD$^3$ (15.0 M$^3$)

SHOVEL BUCKET CAPACITY (HEAPED):
SAE (2:1): 19.6–21.6 YD$^3$ (15.0–16.5 M$^3$)

OPERATING WEIGHT:
BACKHOE 546,700 LB. (248 000 KG)
LOADING SHOVEL 549,000 LB. (249 000KG)

RATED POWER:
1,400 HP (1 044 KW)
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
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine

**PRELUB system**
- Auto-idle engine
- Emergency engine stop system

**Hydraulic System**
- E-P control system
- OHS (Optimum Hydraulic System)
- FPS (Fuel-Saving Pump System)
- Hydraulically driven 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**
- Sturdy cab with top guard conforming to ISO (CJP Level II)
- Fluid-filled elastic mounts
- Laminated glass windshield
- Reinforced/tinted (bronze color) side and rear windows
- Parallel-link-type intermittent windshield wiper
- Front windshield washer
- Adjustable reclining seat with air suspension
- Footrest

Air horn with electric compressor
- Auto-tuning AM-FM radio with digital clock
- Seat belt
- Storage spaces
- Floor mat
- Auto air conditioner with defroster
- Rearview mirror
- Evacuation hammer
- Emergency escape device
- Trainer’s seat
- Pilot control shut-off lever

**LCD Monitor**
- 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

**Warning Indicators**
- Alternator
- Engine stop
- Coolant overheat
- Hydraulic oil level
- Auto lubrication
- Fast-filling
- Tension
- Electric lever
- Emergency engine stop
- Top valve
- Engine over run
- Coolant level
- Engine oil pressure
- Pump transmission oil level indicator
- Exhaust temperature

Fuel temperature
- Engine warning
- Hydraulic oil overheat
- Stairway position
- Electrical equipment box
- Pump contamination
- Air cleaner restriction
- Satellite data transmitting system

**Lights**
- 6 working lights, 2 entrance lights, 3 maintenance lights, 2 cab lights

**Upperstructure**
- Lockable machine covers
- 66,139-lb. (30 000 kg) counterweight
- Hydraulic-drive grease gun with hose reel
- Folding stairs with wide steps
- Swing parking brake

**Undercarriage**
- Travel parking brake
- Travel motion alarm device
- Hydraulic track adjuster with N2 gas accumulator and relief valve
- 39-in. (1 000 mm) triple grouser shoes

**Miscellaneous**
- Standard tool kit
- ISO conforming stairs and handrails
- Recirculation air filter for air conditioner
- 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 drop down panel with Wiggins coupler for fuel, engine oil, engine coolant, grease, pump transmission oil, and swing device oil.

OPTIONAL EQUIPMENT

**High brightness working lights**

**Back and right side cameras with color monitor**

**Travel motor guard**

**Travel device guard**

EX2500-6 DIMENSIONS

![Diagram of EX2500-6 dimensions with measurements in inches and millimeters]
## LIFTING CAPACITIES

### Conditions

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Load Point Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>39 ft. 4 in. (12 m)</td>
<td>19 ft. 6 in. (6 m)</td>
</tr>
<tr>
<td>32 ft. 10 in. (10 m)</td>
<td>26 ft. 3 in. (8 m)</td>
</tr>
<tr>
<td>BE-boom: 29 ft. 6 in. (9.0 m)</td>
<td>13 ft. 9 in. (4.2 m)</td>
</tr>
<tr>
<td>BE-arm: 19.6 yd³ (15.0 m³)</td>
<td>6 ft. 7 in. (2 m)</td>
</tr>
<tr>
<td>Shoos: 39 in. (1000 mm)</td>
<td>0 (Ground)</td>
</tr>
<tr>
<td>-6 ft. 7 in. (-2 m)</td>
<td>-13 ft. 1 in. (-4 m)</td>
</tr>
</tbody>
</table>

### LOAD RADIUS

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Load Radius</th>
<th>Load Point Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 ft. 6 in. (6 m)</td>
<td>26 ft. 3 in. (8 m)</td>
<td></td>
</tr>
<tr>
<td>32 ft. 10 in. (10 m)</td>
<td>39 ft. 4 in. (12 m)</td>
<td></td>
</tr>
<tr>
<td>45 ft. 11 in. (14 m)</td>
<td>At Maximum Reach</td>
<td></td>
</tr>
</tbody>
</table>

### Load

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Load Radius</th>
<th>Load Point Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 ft. 6 in. (6 m)</td>
<td>26 ft. 3 in. (8 m)</td>
<td></td>
</tr>
<tr>
<td>32 ft. 10 in. (10 m)</td>
<td>39 ft. 4 in. (12 m)</td>
<td></td>
</tr>
<tr>
<td>45 ft. 11 in. (14 m)</td>
<td>At Maximum Reach</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:

1. Ratings are based on SAE J1097.
2. 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.
3. The load point is a hook (not standard equipment) loaded on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.
EX2500-6 SPECIFICATIONS

CONTROLS
Two Implement Levers
Wrist control type electric lever. Right lever is for boom and bucket control, left lever for swing and arm control.
For loading shovel, 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.

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

Deck Machinery
Deck machinery is positioned for maximum maintenance accessibility. Sidewalks provide easy access to engines, hydraulic and electrical components.

SWING MECHANISM
Two high-torque, axial-piston motors with two-stage planetary reduction 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. Swing parking brake is spring-set, hydraulic released disc type. This parking brake is manually releasable.
Swing Speed
Diesel: 3.8 min⁻¹ (rpm)

OPERATOR’S CAB
Steel construction with integrated, Falling Object Protective (FOPS) structure, meeting SAE FOPS. Independent, pressurized, 5 ft. 11 in. (1.800 mm) wide, 7 ft. 1 in. (2.150 mm) high, 9.8 yd³ (7.5 m³) roomy cab with tinted-glass windows featuring excellent visibility. Spring-suspension-type, fully adjustable reclining seat with armrests; movable with or without front and swing control levers by slide. Instrument and control panel is built in cab wall and is in easy range of the operator. Powerful fresh-air-ventilation-type air conditioner provides rapid cooling. Rotatable blower louvers also serve as defrosters. Fluid-filled elastic-mounts and sound-proofing reduces noise level and vibration.
Noise level
72 dB (A) in the cab; on maximum engine speed under no-load condition.
Eye level height
20 ft. 8 in. (6,290 mm)

UNDERCARRIAGE
Tracks

Tractor-Type Undercarriage
Triple grouser track shoes of induction-hardened cast steel
Shoe Width
39 in. (1,000 mm)

Number of Rollers and Shoes (each side)

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of Rollers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper</td>
<td>3</td>
</tr>
<tr>
<td>Lower</td>
<td>8</td>
</tr>
<tr>
<td>Track</td>
<td>39</td>
</tr>
</tbody>
</table>

Traction 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 spring-set/hydraulic-released disc type. This parking brake is manually releasable.
Travel Speeds
Low: 1.0 mph (1.6 km/h)
High: 1.5 mph (2.3 km/h)
Max. Traction Force
298,900 lbf (135,600 kgf)
Gradability
30° (60%) continuous

WEIGHTS AND GROUND PRESSURE
Loading Shovel: Equipped with 19.6 yd³ (15.0 m³) (SAE heaped) bottom dump bucket.

<table>
<thead>
<tr>
<th>Shoe Type</th>
<th>Shoe Width</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple Grousers</td>
<td>39 in. (1,000 mm)</td>
<td>549,000 lb. (249,000 kg)</td>
<td>26.0 psi (179 kPa)</td>
</tr>
</tbody>
</table>

Backhoe: Equipped with 29 ft. 6 in. (9.0 m) boom, 13 ft. 9 in. (4.2 m) arm, and 19.6 yd³ (15.0 m³) (SAE heaped) bucket

<table>
<thead>
<tr>
<th>Shoe Type</th>
<th>Shoe Width</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple Grousers</td>
<td>39 in. (1,000 mm)</td>
<td>546,000 lb. (248,000 kg)</td>
<td>25.9 psi (178 kPa)</td>
</tr>
</tbody>
</table>
**Handrail**
- Weight: 66 lb. (30 kg)

**Counterweight**
- Weight: 65,810 lb. (29,850 kg)

**Reserve Tank**
- Weight: 331 lb. (150 kg)

**UNDERCARRIAGE**

**Track Center Frame Assembly**
- Weight: 48,060 lb. (21,800 kg)

**Track Side Frame Assembly**
- Weight: 69,230 lb. (31,400 kg) × 2

**Step**
- Weight: 18 lb. (8 kg)

**Ladder**
- Weight: 29 lb. (13 kg)

**Motor Cover Stay**
- Weight: 172 lb. (78 kg)

**Cover**
- Weight: 212 lb. (96 kg)

**Cover**
- Weight: 238 lb. (108 kg)

**Cover**
- Weight: 192 lb. (87 kg)
LOADING SHOVEL ATTACHMENTS

<table>
<thead>
<tr>
<th>Bucket Capacity</th>
<th>A (ft. in. (mm))</th>
<th>B (ft. in. (mm))</th>
<th>Max. Width (ft. in. (mm))</th>
<th>Weight (lb. (kg))</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.6 yd³ (15.0 m³)</td>
<td>10 ft. 7 in. (3 220 mm)</td>
<td>10 ft. 9 in. (3 280 mm)</td>
<td>12 ft. 8 in. (3 860 mm)</td>
<td>44,510 lb. (20 190 kg)</td>
</tr>
<tr>
<td>21.6 yd³ (16.5 m³)</td>
<td>11 ft. 6 in. (3 500 mm)</td>
<td>10 ft. 11 in. (3 320 mm)</td>
<td>12 ft. 8 in. (3 860 mm)</td>
<td>45,640 lb. (20 700 kg)</td>
</tr>
</tbody>
</table>

Bucket Cylinders
- Weight: 4,123 lb. (1 870 kg) × 2

Boom Cylinders
- Weight: 6,526 lb. (2 960 kg) × 2

Bucket Assembly
- Width: 8 ft. 6 in. (2 600 mm)
- Weight: 68,780 lb. (31 200 kg)

Boom and Arm Assembly
- Width: 8 ft. 6 in. (2 600 mm)

BACKHOE ATTACHMENTS

BE-Boom Assembly
- Weight: 66,140 lb. (30 000 kg)
- Width: 7 ft. 4 in. (2 240 mm)

BE-Arm Assembly
- Weight: 35,940 lb. (16 300 kg)
- Width: 5 ft. 5 in. (1 640 mm)

Bucket Assembly: 19.6 yd³ (15.0 m³)
- Weight: 27,340 lb. (12 400 kg)
- Width: 10 ft. 5 in. (3 180 mm)
EX2500-6 SPECIFICATIONS

ENGINE

<table>
<thead>
<tr>
<th>Make</th>
<th>Cummins</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>QSK50-C</td>
</tr>
<tr>
<td>Type</td>
<td>4 cycle</td>
</tr>
<tr>
<td>Aspiration</td>
<td>Turbocharged and after cooled, direct injection chamber-type diesel engine</td>
</tr>
<tr>
<td>Net Power @ 1800 rpm (DIN 6271)</td>
<td>1,351 ps (985 kW)</td>
</tr>
<tr>
<td>Net Power @ 1800 rpm (SAE J1349)</td>
<td>1,333 hp (994 kW)</td>
</tr>
<tr>
<td>Gross Power @ 1800 rpm (SAE J1995)</td>
<td>1,400 hp (1,044 kW)</td>
</tr>
<tr>
<td>Maximum Torque @ 1300 rpm</td>
<td>4,705 lbf-ft (6,379 N-m)</td>
</tr>
<tr>
<td>Bore and Stroke</td>
<td>6.3 x 6.3 in. (159 x 159 mm)</td>
</tr>
<tr>
<td>Displacement</td>
<td>3,069 cu. in. (50.3 liters)</td>
</tr>
<tr>
<td>Batteries</td>
<td>4 x 12 V, 4 x 220 AH</td>
</tr>
<tr>
<td>Starting</td>
<td>24-volt electric</td>
</tr>
<tr>
<td>Cold Starting</td>
<td>Ether aided</td>
</tr>
</tbody>
</table>

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.

Optimum Hydraulic System

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


Main Pumps

Four variable-displacement, piston pumps in two tandem-axial pump groups for front attachment and travel.

Pressure setting: 4,270 psi (300 kgf/cm²) (29.4 MPa)
Max. oil flow: 4 x 99 gal/min (4 x 375 L/min)

Swing Pump

Two variable-displacement, piston pumps in one tandem-axial pump group for front attachment, travel, and swing.

Pressure setting: 4,270 psi (300 kgf/cm²) (29.4 MPa)
Max. oil flow: 4 x 112.0 gal/min (4 x 425 L/min)

Pilot Pump

Gear pump
Pressure setting: 565 psi (3.9 MPa) (40 kgf/cm²)
Maximum oil flow: 28.5 gal/min (108 L/min)

Relief Valve Settings

Implement circuit: 4,270 psi (300 kgf/cm²) (29.4 MPa)
Swing circuit: 3,980 psi (280 kgf/cm²) (27.5 MPa)
Travel circuit: 4,270 psi (300 kgf/cm²) (29.4 MPa)
Pilot circuit: 565 psi (3.9 MPa)

Hydraulic Cylinders

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

<table>
<thead>
<tr>
<th>Dimensions (Backhoe)</th>
<th>Dimensions (Loading Shovel)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Quantity</strong></td>
<td><strong>Bore Diameter</strong></td>
</tr>
<tr>
<td><strong>Roc Diameter</strong></td>
<td><strong>Bore Diameter</strong></td>
</tr>
<tr>
<td><strong>Boom</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Arm</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Bucket</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Dump</strong></td>
<td>2</td>
</tr>
</tbody>
</table>

Hydraulic Filters

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

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-flow filter</td>
<td>3</td>
</tr>
<tr>
<td>High-pressure strainer (in main and swing pump delivery line)</td>
<td>6</td>
</tr>
<tr>
<td>Drain filter (for all plunger type pumps and motors)</td>
<td>1</td>
</tr>
<tr>
<td>Pilot filter</td>
<td>1</td>
</tr>
<tr>
<td>Bypass filter (in oil cooler bypass line)</td>
<td>1</td>
</tr>
</tbody>
</table>
LOADING SHOVEL ATTACHMENT

Boom and arm are of all-welded, low-stress, high-tensile strength steel full-box section design. Efficient, automatic level crowning achieved by one-lever control because parallel link mechanism keeps the bucket digging angle constant, and level cylinder circuit maintains the bucket height constant (Auto-Leveling Crowd Mechanism). Auto-lubrication system for all pins is standard.

Dual-support-type boom/arm/bucket pin linkage
Pin seals (in all portions) plus O-ring at arm top
All cylinders are provided with a cylinder cushion mechanism
Bucket cylinders with loading shovel are provided with an internal cylinder rod protector

EX2500-6 SPECIFICATIONS

WORKING RANGES—BUCKET CAPACITY: 19.6 yd³ (15.0 m³)

<table>
<thead>
<tr>
<th></th>
<th>Feet</th>
<th>Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Min. digging distance</td>
<td>17 ft. 6 in. (5 340 mm)</td>
<td></td>
</tr>
<tr>
<td>B. Min. level crowding distance</td>
<td>26 ft. 0 in. (7 960 mm)</td>
<td></td>
</tr>
<tr>
<td>C. Level crowding distance</td>
<td>16 ft. 0 in. (4 980 mm)</td>
<td></td>
</tr>
<tr>
<td>D. Max. digging reach</td>
<td>46 ft. 0 in. (14 060 mm)</td>
<td></td>
</tr>
<tr>
<td>E. Max. cutting height</td>
<td>49 ft. 0 in. (15 010 mm)</td>
<td></td>
</tr>
<tr>
<td>F. Max. dumping height</td>
<td>34 ft. 0 in. (10 350 mm)</td>
<td></td>
</tr>
<tr>
<td>G. Working radius at max. dumping height</td>
<td>12 ft. 0 in. (3 720 mm)</td>
<td></td>
</tr>
<tr>
<td>H. Max. bucket opening width</td>
<td>27 ft. 0 in. (8 140 mm)</td>
<td></td>
</tr>
<tr>
<td>Arm crowding force</td>
<td>206,400 lb. (93 600 kgf) (918 kN)</td>
<td></td>
</tr>
<tr>
<td>Breakout force</td>
<td>189,500 lb. (86 000 kgf) (843 kN)</td>
<td></td>
</tr>
</tbody>
</table>

WORKING RANGES—BUCKET CAPACITY: 21.6 yd³ (16.5 m³)

<table>
<thead>
<tr>
<th></th>
<th>Feet</th>
<th>Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Min. digging distance</td>
<td>17 ft. 0 in. (5 200 mm)</td>
<td></td>
</tr>
<tr>
<td>B. Min. level crowding distance</td>
<td>27 ft. 0 in. (8 140 mm)</td>
<td></td>
</tr>
<tr>
<td>C. Level crowding distance</td>
<td>16 ft. 0 in. (4 980 mm)</td>
<td></td>
</tr>
<tr>
<td>D. Max. digging reach</td>
<td>47 ft. 0 in. (14 300 mm)</td>
<td></td>
</tr>
<tr>
<td>E. Max. cutting height</td>
<td>50 ft. 0 in. (15 250 mm)</td>
<td></td>
</tr>
<tr>
<td>F. Max. dumping height</td>
<td>34 ft. 0 in. (10 350 mm)</td>
<td></td>
</tr>
<tr>
<td>G. Working radius at max. dumping height</td>
<td>13 ft. 0 in. (3 960 mm)</td>
<td></td>
</tr>
<tr>
<td>H. Max. bucket opening width</td>
<td>27 ft. 0 in. (8 140 mm)</td>
<td></td>
</tr>
<tr>
<td>Arm crowding force</td>
<td>203,900 lb. (92 500 kgf) (907 kN)</td>
<td></td>
</tr>
<tr>
<td>Breakout force</td>
<td>176,300 lb. (79 900 kgf) (784 kN)</td>
<td></td>
</tr>
</tbody>
</table>

BUCKET (SAE HEAPED 2:1)

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Width</th>
<th>Number of Teeth</th>
<th>Weight</th>
<th>Type</th>
<th>Materials Density</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.6 yd³ (15.0 m³)</td>
<td>11 ft. 9 in. (3 590 mm)</td>
<td>6</td>
<td>44,910 lb. (20 190 kg)</td>
<td>Bottom dump type, general purpose</td>
<td>3,033 lb/yd³ (1 800 kg/m³)</td>
</tr>
<tr>
<td>21.6 yd³ (16.5 m³)</td>
<td>11 ft. 9 in. (3 590 mm)</td>
<td>6</td>
<td>45,640 lb. (20 700 kg)</td>
<td>Bottom dump type, general purpose</td>
<td>2,700 lb/yd³ (1 600 kg/m³)</td>
</tr>
</tbody>
</table>

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

Boom and arm are all-welded, low stress, full-box section design. Bucket of all-welded high-strength steel structure. Bucket/arm joint pins are floating type. Replaceable thrust plates are provided with bucket/arm point part. Auto-lubrication system for all pins is standard.

### WORKING RANGES

<table>
<thead>
<tr>
<th>WORKING RANGE</th>
<th>FEET</th>
<th>METER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom Length</td>
<td>29 ft. 6 in.</td>
<td>9.0 m</td>
</tr>
<tr>
<td>Arm Length</td>
<td>13 ft. 9 in.</td>
<td>4.2 m</td>
</tr>
<tr>
<td>A. Max. digging reach</td>
<td>56 ft. 0 in.</td>
<td>17.050 mm</td>
</tr>
<tr>
<td>A'. Max. digging reach (on ground)</td>
<td>54 ft. 0 in.</td>
<td>16.500 mm</td>
</tr>
<tr>
<td>B. Max. digging depth</td>
<td>28 ft. 0 in.</td>
<td>8.570 mm</td>
</tr>
<tr>
<td>B'. Max. digging depth (8 ft. level)</td>
<td>28 ft. 0 in.</td>
<td>8.470 mm</td>
</tr>
<tr>
<td>C. Max. cutting height</td>
<td>53 ft. 0 in.</td>
<td>16.160 mm</td>
</tr>
<tr>
<td>D. Max. dumping height</td>
<td>34 ft. 0 in.</td>
<td>10.362 mm</td>
</tr>
<tr>
<td>E. Max. vertical wall depth</td>
<td>17 ft. 0 in.</td>
<td>5.070 mm</td>
</tr>
</tbody>
</table>

**Bucket Digging Force**

<table>
<thead>
<tr>
<th>FORCE TYPE</th>
<th>SAE</th>
<th>ISO</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE</td>
<td>168,000 lb.</td>
<td>751 kN</td>
</tr>
<tr>
<td>ISO</td>
<td>187,000 lb.</td>
<td>832 kN</td>
</tr>
</tbody>
</table>

**Arm Crowd Force**

<table>
<thead>
<tr>
<th>FORCE TYPE</th>
<th>SAE</th>
<th>ISO</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE</td>
<td>167,500 lb.</td>
<td>745 kN</td>
</tr>
<tr>
<td>ISO</td>
<td>185,500 lb.</td>
<td>825 kN</td>
</tr>
</tbody>
</table>

### BUCKET

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>WIDTH</th>
<th>NUMBER OF TEETH</th>
<th>WEIGHT</th>
<th>TYPE</th>
<th>MATERIALS DENSITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE Heaped (1:1)</td>
<td>10 ft. 5 in. (3180 mm)</td>
<td>5</td>
<td>27,340 lb. (12,400 kg)</td>
<td>General purpose bucket</td>
<td>3.033 lb/yd³ (1.800 kg/m³)</td>
</tr>
</tbody>
</table>

Note: These buckets do not include any type of wear protection for sides, bottom, and inside the bucket. Please consult your local Hitachi dealer for a proper wear protection system for your application. Please do not use the buckets without proper wear protection for your application.
**EX2500-6 SHIPPING INFORMATION**

EX2500-6 components are designed for ease of transportation and on-site assembly. Components can be assembled without welding.

**UPPERSTRUCTURE**

- **Cab Assembly**
  - Weight: 3,836 lb. (1,740 kg)

- **Cab Bed**
  - Weight: 5,644 lb. (2,560 kg)

- **Sidewalk**
  - Cab: Weight: 163 lb. (74 kg)
  - Weight: 154 lb. (70 kg)

- **Main Frame Assembly**
  - Weight: 79,370 lb. (36,000 kg)

- **Fuel Tank**
  - Weight: 5,512 lb. (2,500 kg)

- **Handrail**
  - Weight: 66 lb. (30 kg)

- **Step**
  - Weight: 124 lb. (56 kg)
  - Weight: 35 lb. (16 kg)
  - Weight: 1,380 lb. (626 kg)
  - Weight: 2,154 lb. (977 kg)

- **Ladder**
  - Weight: 1,830 lb. (830 kg)

- **Sidewalk**
  - Cab Bed: Weight: 170 lb. (77 kg)

- **Step**
  - Weight: 864 lb. (392 kg)

- **Step**
  - Weight: 284 lb. (129 kg)

- **Step**
  - Weight: 258 lb. (117 kg)

- **Step**
  - Weight: 223 lb. (101 kg)

- **Step**
  - Weight: 267 lb. (121 kg)

- **Step**
  - Weight: 119 lb. (54 kg)

- **Step**
  - Weight: 119 lb. (54 kg)

- **Handrail**
  - Weight: 66 lb. (30 kg)

- **Step**
  - Weight: 35 lb. (16 kg)

- **Step**
  - Weight: 1,380 lb. (626 kg)

- **Step**
  - Weight: 2,154 lb. (977 kg)

- **Ladder**
  - Weight: 1,830 lb. (830 kg)
BACKHOE CONTROL LAYOUT

SERVICE REFILL CAPACITIES

<table>
<thead>
<tr>
<th></th>
<th>U.S. Gallons</th>
<th>Liters</th>
<th>Imperial Gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank</td>
<td>1,321</td>
<td>5000</td>
<td>1,100</td>
</tr>
<tr>
<td>Engine Coolant</td>
<td>126</td>
<td>476</td>
<td>104.7</td>
</tr>
<tr>
<td>Engine Oil</td>
<td>100</td>
<td>378</td>
<td>83.1</td>
</tr>
<tr>
<td>Pump Drive</td>
<td>7</td>
<td>26</td>
<td>5.7</td>
</tr>
<tr>
<td>Swing Device (each side)</td>
<td>2 x 26</td>
<td>2 x 100</td>
<td>2 x 22.0</td>
</tr>
<tr>
<td>Travel Final Device (each side)</td>
<td>2 x 36</td>
<td>2 x 137</td>
<td>2 x 30.1</td>
</tr>
<tr>
<td>Hydraulic Tank</td>
<td>290</td>
<td>1100</td>
<td>242.0</td>
</tr>
<tr>
<td>Hydraulic System</td>
<td>779</td>
<td>2950</td>
<td>648.9</td>
</tr>
</tbody>
</table>

DECK MACHINERY LAYOUT

1. Diesel Engine
2. Pump Drive Unit
3. Hydraulic Pump x 6
4. Hydraulic Oil Cooling Fan Motor x 2
5. Hydraulic Oil Cooler x 2
6. Engine Radiator
7. LTA Radiator
8. Fuel Cooler
9. Pump Mission 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
It’s our color. It’s our brand. New product-support initiatives and our strengthened dealer network is more proof that we are as passionate as ever about this industry. We are dedicated to building the best equipment in the world and keeping it painted Hitachi Orange.