**EQUIPMENT**

**Key:**

- **G** Optional or special equipment
- **L** Standard equipment

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**OPERATOR’S STATION (continued)**

- 18-ft. 0-in. (5.5 m) monoblock boom with 8-ft. 10-in. (2.7 m) arm
- Auto-idle system
- 18-ft. 8-in. (5.68 m) monoblock boom with 9-ft. 7-in. (2.91 m) arm
- High/low travel mode with creeper range
- Coolant recovery tank
- Monitor system with alarm features:
  - Auto-idle/auto-acceleration indicator light
  - Brake pressure audible alarm
  - Engine oil temperature alarm
  - Low oil pressure alarm
  - Engine oil pressure alarm
  - Battery voltage alarm
  - High water temperature alarm
  - Warning illumination
  - Low fuel indicator light
  - Speedometer
  - Trip meter
  - Wiper mode indicator
  - Work lights on indicator
  - Work mode indicator

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**SPECIFICATIONS**

- Dual element dry-type air filter
- Variable-geometry, two-piece boom with 8-ft. 10-in. (2.7 m) arm
- Variable-geometry, two-piece boom with 9-ft. 7-in. (2.91 m) arm
- Fuel filter with water separator
- Bucket-to-arm clearance adjustable bushing (except ditching buckets)
- Radiator trash screen
- Turbocharger with charge air cooler
- Underhood muffler with vertical curved end exhaust stack
- Buckets: Ditching / General purpose / General-purpose high capacity / Heavy duty / Heavy-duty high capacity / Side cutters and teeth
- Rated Engine: Zaxis 180W: 147 hp (110 kW)
- Motion alarm with cancel switch (conforms to SAE J994)
- Auto climate control/air conditioner, 20,000 Btu/hr. (5.9 kW) with heater and pressurizer
- Seat belt, 3 in. (76 mm), non-retractable
- Emergency steering system
- Fastened, hydraulically released
- Adjustable independent control positions
- Automatic swing brake
- Brake valves for travel circuits
- Hydraulic filter restriction indicator kit
- Built-in Operator’s Manual storage compartment and manual
- Transparent tinted overhead hatch
- Cell-phone power outlet, 12 volt, 60 watt, 5 amp
- Adjustable independent control positions
- Automatic swing brake
- Brake valves for travel circuits
- Hydraulic filter restriction indicator kit
- Built-in Operator’s Manual storage compartment and manual
- Transparent tinted overhead hatch
- Cell-phone power outlet, 12 volt, 60 watt, 5 amp

---

**CONTROL OWNING AND OPERATING COSTS**

- Extended coverage — gives you a fixed cost for machine repairs for a given period of time so you can effectively manage expenses. Whether you work in a severe-service setting, or you just want to spread maintenance costs over time, extended coverage can work for you. A fixed cost for machine repairs gives you peace of mind when your equipment is under warranty. coverage protects you from the expense of catastrophic failures and lets you avoid waste-disposal hassles.
- **Customer Support Advisors (CSAs)** — the CSA program lends a personal quality to machine maintenance that will help control costs, increase profits, and reduce stress. Included in this comprehensive lineup of ongoing programs and services are:
  - Fluid analysis program — tells you what’s going on inside all of your machine’s major components so you’ll know if there’s a problem before you see a decline in performance. Fluid analysis is included in most extended coverage and preventive-maintenance agreements.
  - Preventive-maintenance agreements — lock you into a minimum number of preventive-maintenance services (PMs) for a given period of time. They also help you avoid downtime by ensuring that critical maintenance work gets done when you need it. Preventive-maintenance agreements can also help you avoid the expense of catastrophic failures and let you avoid waste-disposal hassles.

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**HITACHI**

- P.O. Box 8806 • 1515 5th Avenue • Moline, IL 61265
- www.hitachiconstruction.com

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**Specifications are in accordance with PCSA and SAE standards. Except where otherwise noted, these specifications are based on a unit with 0.92-cu. yd. (0.7 m³) bucket; 8-ft. 10-in. (2.7 m) arm; 8,929-lb. (4050 kg) counterweight; full fuel tank; and 175-lb. (79 kg) operator.**
Wheeled excavators are gaining popularity with municipalities, subdivision developers, and contractors because of the ability to move quickly from job to job while minimizing damage to streets and curbs.

**High-Power Engine**
The Zaxis 180W is equipped with the Isuzu 4BG1XABFA engine which generates 121 hp @ 2,200 rpm (90.2 kW/min⁻¹).
The Zaxis 210W is equipped with the Isuzu 6BG1XABFA engine which generates 147 hp @ 2,100 rpm (110 kW/min⁻¹).
Both machines meet all Tier II non-road emissions regulations.

**Rigid Undercarriage**
A reshaped box design with X-beams helps disperse stress and boosts the overall rigidity of the entire undercarriage.

**Multi-function Operations**
The Zaxis 180W and 210W continue the Hitachi tradition of smooth, multi-functioning excavators. Executing combined operations such as simultaneous swinging and traveling are easy with Zaxis.

**Highly Stable**
Hitachi wheeled excavators have big lifting capacities and are extremely stable. Outriggers and a blade are available for even more stability.

**Safety, Comfort, and Convenience**
The operator's compartment is designed for both comfort and operating efficiency.

**Machine Information Center**
The Machine Information Center captures and stores vital machine performance data such as engine speeds, hydraulic temperatures, pump pressures, alarms and faults, hours of operation, and more. The data is downloadable through a Palm Pilot™ and is transferable to your PC. Special PC software interprets the data and generates valuable machine performance reports and graphs highlighting machine utilization, performance history, and more to help users improve productivity and profit.
**Higher Productivity**
Zaxis wheeled excavators offer the same strong, fast, and smooth operations as Zaxis series crawler excavators. Performance figures of the 180W are slightly greater than the Zaxis 160LC crawler excavator, while the Zaxis 210W specs are comparable to the Zaxis 200LC but with travel speeds up to 15.5 mph!

**Auxiliary Hydraulic Kits**
To increase the versatility of the machine, two factory-designed auxiliary hydraulic kits are available for dealer installation. The first is for lower pressure/flow applications like bucket-tilt or bucket-swinger attachments. The second — a high-pressure/high-flow kit for hammers and breakers.

**The Choice Is Yours**
Choose between a one-piece monoboom with long arm or a two-piece variable-geometry boom with long arm. Variable geometry increases visibility to the right and allows more versatility in lifting objects. You can also choose between a front blade with two rear outriggers or two front and two rear outriggers.

**Backfill Blade**
The optional backfill blade’s parallelogram design provides more vertical movement.
**Cab Comfort**

The easy-to-read monitor panel and switches are located near the operator to minimize fatigue and enhance operator control. The auto-control air conditioner allows you to set a specific temperature, then forget it. Bi-level air ducts are positioned throughout the cab to promote even airflow. The steering wheel is adjustable to suit the operator’s size.

**Cab Safety**

The CRES (Center pillar Reinforced Structure) rigid cab is designed with safety in mind. The closed-section pillar and reinforcing members at central areas withstand vertical and horizontal external forces.

**Work Modes**

Zaxis wheeled excavators use one work mode. This allows the operator to work a variety of applications from trenching to fine grading without having to change the work mode.

**Lower Operating Costs**

Reduced fuel consumption; a strengthened mainframe, front attachment, and undercarriage; longer lubrication intervals; and 4,000-hour hydraulic oil, 500-hour engine oil, and 1,000-hour hydraulic oil filters all work together to extend the durability of Zaxis while reducing running and repair costs.
**ENGINE**

- Type: water-cooled, direct-injected Isuzu 4BG1XABFA with turbocharger and intercooler; meets EPA Tier II non-road emissions regulations
- Rated power: 12,540 net hp (9,368 kW) @ 2,200 rpm
- Cylinders: 4
- Displacement: 3,290 cu. in. (54.0L)
- Maximum net torque: 1,345 ft-lb. (1,800 Nm) @ 1,800 rpm
- Fuel consumption, typical: 3.5 gal/hr. (13.4 L/hr)
- Cooling fan: suction-type drive
- Electrical system: 24-volt with 50-amp alternator
- Batteries (two 12-volt): reserve capacity: 180 min.
- Oil level capacity: 100% (40 gal.)

**SAE OPERATING WEIGHTS**

- Type: general-purpose bucket; full fuel tank; and 175-lb. (79 kg) operator
- Monoblock boom: 2,899-lb. (1310 kg)
- Two-piece boom: 2,899-lb. (1310 kg)
- Front and rear outrigger: 45,447 lb. (20,500 kg)
- Front blade and rear outrigger: 45,705 lb. (20,600 kg)

**HYDRAULIC SYSTEM**

- Two variable-displacement axial piston
- Minimum flow: 2 x 20 gpm (2 x 75 L/min)
- Maximum flow: 2 x 52.8 gpm (2 x 200 L/min)
- Pressure setting: 538 psi (3709 kPa)
- System operating pressure: 4,980 psi (34,336 kPa)
- Implement circuits: 4,980 psi (34,336 kPa)
- Swing circuits: 4,830 psi (33,024 kPa)
- Oil filtration: one 10-micron full-flow return filter with by-pass / two pilot oil filters

**CYLINDERS**

- Monoblock boom: Bore 4.72 in. (120 mm), Rod diameter 3.35 in. (85 mm), Stroke 3 ft. 5 in. (1050 mm)
- Two-piece boom: Bore 4.72 in. (120 mm), Rod diameter 3.35 in. (85 mm), Stroke 3 ft. 3 in. (980 mm)

**SWING MECHANISM**

- Maximum digging depth: 19 ft. 3.5 in. (5880 mm)
- Maximum digging depth @ 8-ft. (2.44 m) flat bottom: 18 ft. 4.9 in. (5610 mm)
- Maximum dumping height: 21 ft. 3.5 in. (6490 mm)
- Maximum vertical wall: 17 ft. 1.1 in. (5220 mm)
- Maximum dumping height @ 5-ft. (1.5 m) flat bottom: 18 ft. 4.9 in. (5610 mm)
- Swing speed: 0–12.8 rpm
- Swing torque: 29,800 lb.-ft. (40,500 Nm)

**UNDERCARRIAGE**

- All-wheel drive; front axle can be locked hydraulically in any position
- Gradeability: 64% (33 deg.)
- Minimum turning radius: 21 ft. 6 in. (6550 mm)

**FRONT AXLE**

- Maintenance-free wet-disc brakes on front and rear axles; standard; fully hydraulic service brake system

**CAPACITIES (U.S.)**

<table>
<thead>
<tr>
<th>Component</th>
<th>Monoblock boom</th>
<th>Two-piece boom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>74 gal. (281 L)</td>
<td>74 gal. (281 L)</td>
</tr>
<tr>
<td>Cooling system</td>
<td>5 gal. (20 L)</td>
<td>5 gal. (20 L)</td>
</tr>
<tr>
<td>Engine lubrication, including filter</td>
<td>4.2 gal. (15.8 L)</td>
<td>4.2 gal. (15.8 L)</td>
</tr>
<tr>
<td>Hydraulic tank</td>
<td>25.4 gal. (300 L)</td>
<td>25.4 gal. (300 L)</td>
</tr>
<tr>
<td>Hydraulic system</td>
<td>71.3 gal. (270 L)</td>
<td>71.3 gal. (270 L)</td>
</tr>
<tr>
<td>Pump transmission</td>
<td>1 gal. (4 L)</td>
<td>1 gal. (4 L)</td>
</tr>
<tr>
<td>Transmission</td>
<td>3 gal. (12 L)</td>
<td>3 gal. (12 L)</td>
</tr>
<tr>
<td>Axles</td>
<td>Front .22 gal. (8.5 L)</td>
<td>Rear .22 gal. (8.5 L)</td>
</tr>
<tr>
<td></td>
<td>Front .22 gal. (8.5 L)</td>
<td>Rear .22 gal. (8.5 L)</td>
</tr>
<tr>
<td></td>
<td>Front and rear hubs .2 x 2 gal. (2 x 8 L)</td>
<td>Front and rear hubs .2 x 2 gal. (2 x 8 L)</td>
</tr>
<tr>
<td></td>
<td>Swing shoe .16 gal. (6.2 L)</td>
<td>Swing shoe .16 gal. (6.2 L)</td>
</tr>
</tbody>
</table>
**Dimensions Zaxis 180W**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Zaxis 180W With Monoblock Boom</th>
<th>Zaxis 180W With Two-Piece Boom</th>
<th>Zaxis 180W With Front Blade and Rear Outrigger</th>
<th>Zaxis 180W With Front and Rear Outrigger</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Overall length (with monoblock boom and 8-ft. 10-in. [2.7 m] arm)*</td>
<td>30 ft. 8.9 in. (9370 mm)</td>
<td>30 ft. 8.9 in. (9370 mm)</td>
<td>30 ft. 8.9 in. (9370 mm)</td>
</tr>
<tr>
<td>A’</td>
<td>Overall length (with two-piece boom and 8-ft. 10-in. [2.7 m] arm)*</td>
<td>30 ft. 2.6 in. (9230 mm)</td>
<td>30 ft. 2.6 in. (9230 mm)</td>
<td>30 ft. 2.6 in. (9230 mm)</td>
</tr>
<tr>
<td>B</td>
<td>Overall height of boom (with monoblock boom and 8-ft. 10-in. [2.7 m] arm)*†</td>
<td>10 ft. 2.0 in. (3050 mm)</td>
<td>10 ft. 2.0 in. (3050 mm)</td>
<td>10 ft. 2.0 in. (3050 mm)</td>
</tr>
<tr>
<td>B’</td>
<td>Overall height of boom (with two-piece boom and 8-ft. 10-in. [2.7 m] arm)*†</td>
<td>11 ft. 6.6 in. (3520 mm)</td>
<td>11 ft. 6.6 in. (3520 mm)</td>
<td>11 ft. 6.6 in. (3520 mm)</td>
</tr>
<tr>
<td>C</td>
<td>Rear-end swing radius</td>
<td>8 ft. 0.1 in. (2440 mm)</td>
<td>8 ft. 0.1 in. (2440 mm)</td>
<td>8 ft. 0.1 in. (2440 mm)</td>
</tr>
<tr>
<td>C’</td>
<td>Overall height of boom (traveling, with 8-ft. 10-in. [2.7 m] arm)</td>
<td>12 ft. 6 in. (3810 mm)</td>
<td>12 ft. 6 in. (3810 mm)</td>
<td>12 ft. 6 in. (3810 mm)</td>
</tr>
<tr>
<td>J</td>
<td>Minimum ground clearance</td>
<td>1 ft. 2.2 in. (360 mm)</td>
<td>1 ft. 2.2 in. (360 mm)</td>
<td>1 ft. 2.2 in. (360 mm)</td>
</tr>
<tr>
<td>K</td>
<td>Wheelbase</td>
<td>8 ft. 8.3 in. (2650 mm)</td>
<td>8 ft. 8.3 in. (2650 mm)</td>
<td>8 ft. 8.3 in. (2650 mm)</td>
</tr>
<tr>
<td>L</td>
<td>Swing center to rear axle</td>
<td>3 ft. 1.5 in. (960 mm)</td>
<td>3 ft. 1.5 in. (960 mm)</td>
<td>3 ft. 1.5 in. (960 mm)</td>
</tr>
<tr>
<td>M</td>
<td>Front overhang</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>N</td>
<td>Rear overhang</td>
<td>2 ft. 0.3 in. (600 mm)</td>
<td>2 ft. 0.3 in. (600 mm)</td>
<td>2 ft. 0.3 in. (600 mm)</td>
</tr>
<tr>
<td>O</td>
<td>Maximum blade lower</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>P</td>
<td>Overall height of blade</td>
<td>8.66 in. (220 mm)</td>
<td>8.66 in. (220 mm)</td>
<td>8.66 in. (220 mm)</td>
</tr>
<tr>
<td>Q</td>
<td>Maximum blade raise</td>
<td>1 ft. 11 in. (480 mm)</td>
<td>1 ft. 11 in. (480 mm)</td>
<td>1 ft. 11 in. (480 mm)</td>
</tr>
<tr>
<td>R</td>
<td>Overall width of blade**</td>
<td>8 ft. 4 in. (2530 mm)</td>
<td>8 ft. 4 in. (2530 mm)</td>
<td>8 ft. 4 in. (2530 mm)</td>
</tr>
<tr>
<td>S</td>
<td>Overall width with outrigger retracted</td>
<td>8 ft. 1 in. (2470 mm)</td>
<td>8 ft. 1 in. (2470 mm)</td>
<td>8 ft. 1 in. (2470 mm)</td>
</tr>
<tr>
<td>T</td>
<td>Overall width with outrigger extended</td>
<td>12 ft. 2 in. (3700 mm)</td>
<td>12 ft. 2 in. (3700 mm)</td>
<td>12 ft. 2 in. (3700 mm)</td>
</tr>
<tr>
<td>W</td>
<td>Front overhang (traveling, with 8-ft. 10 in. [2.7 m] arm)*</td>
<td>12 ft. 6 in. (3810 mm)</td>
<td>12 ft. 6 in. (3810 mm)</td>
<td>12 ft. 6 in. (3810 mm)</td>
</tr>
</tbody>
</table>

*Transportation dimension (without or with blade).
**Transportation dimension (with blade).
†Cab height.

With standard gauge.

Front and rear outrigger.

Front blade and rear outrigger.

Cab height.
<table>
<thead>
<tr>
<th>Load Point</th>
<th>Over Front</th>
<th>Over Side</th>
<th>Over Front</th>
<th>Over Side</th>
<th>Over Front</th>
<th>Over Side</th>
<th>Over Front</th>
<th>Over Side</th>
<th>Over Front</th>
<th>Over Side</th>
<th>Over Front</th>
<th>Over Side</th>
<th>Over Front</th>
<th>Over Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 ft. (6.10 m)</td>
<td>6,528 (2961)</td>
<td>14,190 (6436)</td>
<td>14,190 (6436)</td>
<td>17,594 (7981)</td>
<td>8,814 (3998)</td>
<td>9,703 (4401)</td>
<td>6,223 (2823)</td>
<td>14,135 (6412)</td>
<td>13,398 (6076)</td>
<td>9,003 (4084)</td>
<td>10,278 (4662)</td>
<td>9,703 (4401)</td>
<td>6,223 (2823)</td>
<td>14,135 (6412)</td>
</tr>
<tr>
<td>15 ft. (4.57 m)</td>
<td>7,899 (3583)</td>
<td>17,898 (8118)</td>
<td>5 ft. (1.52 m)</td>
<td>14,190 (6436)</td>
<td>14,190 (6436)</td>
<td>17,594 (7981)</td>
<td>8,814 (3998)</td>
<td>9,703 (4401)</td>
<td>6,223 (2823)</td>
<td>14,135 (6412)</td>
<td>13,398 (6076)</td>
<td>9,003 (4084)</td>
<td>10,278 (4662)</td>
<td>9,703 (4401)</td>
</tr>
<tr>
<td>-10 ft. (–3.05 m)</td>
<td>14,076 (6385)</td>
<td>14,076 (6385)</td>
<td>-15 ft. (–4.57 m)</td>
<td>14,076 (6385)</td>
<td>14,076 (6385)</td>
<td>17,594 (7981)</td>
<td>8,814 (3998)</td>
<td>9,703 (4401)</td>
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<td>13,398 (6076)</td>
<td>9,003 (4084)</td>
<td>10,278 (4662)</td>
<td>9,703 (4401)</td>
</tr>
<tr>
<td>20 ft. (6.10 m)</td>
<td>9,886 (4484)</td>
<td>9,886 (4484)</td>
<td>20 ft. (6.10 m)</td>
<td>9,886 (4484)</td>
<td>9,886 (4484)</td>
<td>17,594 (7981)</td>
<td>8,814 (3998)</td>
<td>9,703 (4401)</td>
<td>6,223 (2823)</td>
<td>14,135 (6412)</td>
<td>13,398 (6076)</td>
<td>9,003 (4084)</td>
<td>10,278 (4662)</td>
<td>9,703 (4401)</td>
</tr>
<tr>
<td>15 ft. (4.57 m)</td>
<td>10,276 (4661)</td>
<td>10,276 (4661)</td>
<td>-10 ft. (–3.05 m)</td>
<td>10,276 (4661)</td>
<td>10,276 (4661)</td>
<td>17,238 (7513)</td>
<td>11,239 (5049)</td>
<td>10,276 (4661)</td>
<td>7,645 (3468)</td>
<td>10,276 (4661)</td>
<td>7,645 (3468)</td>
<td>10,276 (4661)</td>
<td>7,645 (3468)</td>
<td>10,276 (4661)</td>
</tr>
<tr>
<td>-15 ft. (–4.57 m)</td>
<td>14,190 (6436)</td>
<td>14,190 (6436)</td>
<td>15 ft. (4.57 m)</td>
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<td>17,238 (7513)</td>
<td>11,239 (5049)</td>
<td>10,276 (4661)</td>
<td>7,645 (3468)</td>
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<td>10,276 (4661)</td>
<td>7,645 (3468)</td>
<td>10,276 (4661)</td>
</tr>
</tbody>
</table>

**LIFTING CAPACITIES ZAXIS 180W**

**SPECIFICATIONS**

### General-Purpose Bucket

<table>
<thead>
<tr>
<th>Bucket Width</th>
<th>Bucket Capacity*</th>
<th>Weight</th>
<th>Dig Force</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 ft. 10 in. (2.7 m)</td>
<td>24,600 (10,996)</td>
<td>131.4 (59.5)</td>
<td>1461 (46)</td>
</tr>
</tbody>
</table>

### Heavy-Duty Bucket

<table>
<thead>
<tr>
<th>Bucket Width</th>
<th>Bucket Capacity*</th>
<th>Weight</th>
<th>Dig Force</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 ft. 10 in. (2.7 m)</td>
<td>24,600 (10,996)</td>
<td>131.4 (59.5)</td>
<td>1461 (46)</td>
</tr>
</tbody>
</table>

*All capacities are SAE heaped ratings and with side cutters.
### SPEC SUMMARY ZAXIS 210W

#### ENGINE
- **Type:** water-cooled, direct-injected 6BG1T with turbocharger and intercooler; meets EPA Tier II non-road emissions regulations
- **Rated power:** 145 SAE net hp (110 kW) @ 2,200 rpm
- **Cylinders:** 6
- **Displacement:** 390 cu. in. (6.494 L)
- **Maximum torque:** 405 lb-ft (550 Nm) @ 1,600 rpm
- **Fuel consumption:** typical 4.6 gal/hr (21.7 L/h)
- **Cooling fan:** suction type drive
- **Electrical system:** 24-volt with 50-amp alternator
- **Batteries (two 12-volt):** reserve capacity: 180 min.

#### HYDRAULIC SYSTEM
- **Main pumps:** two variable-displacement axial-piston
  - **Minimum flow:** 2 x 21.5 gpm (2 x 82 L/min)
  - **Maximum flow:** 2 x 57.9 gpm (2 x 219 L/min)
- **Pilot pump:** two gear (one for pilot / one for steering and brakes)
  - **Minimum flow:** 2 x 9.5 gpm (2 x 36 L/min)
  - **Maximum flow:** 2 x 9.5 gpm (2 x 36 L/min)
- **System operating pressure:** 3,380 psi (23,336 kPa)
- **Implement circuits:** 5,310 psi (36,420 kPa)
- **Travel:** 5,270 psi (36,128 kPa)
- **Power boost:** 5,270 psi (36,128 kPa)
- **Swing drive:** one 10-micron full-flow return filter with by-pass / two pilot oil filters

#### CYLINDERS
<table>
<thead>
<tr>
<th>Component</th>
<th>Monoblock</th>
<th>Two-piece</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Boom (2)</strong></td>
<td>4.72 in. (120 mm)</td>
<td>4.92 in. (125 mm)</td>
</tr>
<tr>
<td><strong>Bore</strong></td>
<td>3.35 in. (85 mm)</td>
<td>3.35 in. (85 mm)</td>
</tr>
<tr>
<td><strong>Rod diameter</strong></td>
<td>3.35 in. (85 mm)</td>
<td>3.35 in. (85 mm)</td>
</tr>
<tr>
<td><strong>Stroke</strong></td>
<td>48 in. (1221 mm)</td>
<td>40 in. (1024 mm)</td>
</tr>
<tr>
<td><strong>Positioning (2)</strong></td>
<td>5.32 in. (135 mm)</td>
<td>5.32 in. (135 mm)</td>
</tr>
<tr>
<td><strong>Two-piece boom</strong></td>
<td>3.74 in. (95 mm)</td>
<td>3.74 in. (95 mm)</td>
</tr>
<tr>
<td><strong>Arm (1)</strong></td>
<td>5.14 in. (130 mm)</td>
<td>5.14 in. (130 mm)</td>
</tr>
<tr>
<td><strong>Bucket (1)</strong></td>
<td>3.15 in. (80 mm)</td>
<td>3.15 in. (80 mm)</td>
</tr>
</tbody>
</table>

#### SWING MECHANISM
- **Swing speed:** 0–13.6 rpm
- **Swing torque:** 43,218 lb-ft (58,640 Nm)

#### UNDERCARRIAGE
- **Travel-speed ranges (Forward and Reverse):**
  - **Crawler:** 0–1.2 mph (0–2.0 km/h)
  - **Low:** 0–4.1 mph (0–6.6 km/h)
  - **High:** 0–13.5 mph (0–22.0 km/h)
- **Gradientability:** 70% (25 deg.)
- **Minimum turning radius:** 23 ft. 8 in. (7200 mm)

#### FRONT AXLE
- **All-wheel drive; front axle can be locked hydraulically in any position
- **Oscillation:** ± 6 degrees

#### BRAKES
- Maintenance-free wet-disc brakes on front and rear axles standard; fully hydraulic service brake system

#### CAPACITIES (U.S.)
- **Swing drive:** 1.6 gal (6.2 L)
- **Propel gearbox:** 2.9 gal (11 L)
- **Front:** 1.4 gal (5.3 L)
- **Rear:** 3.4 gal (13 L)
- **Swing:** 3.5 gal (13 L)
- **Cooling system:** 6.0 gal (23 L)
- **Engine lubrication, including filter:** 6.6 gal (25 L)
- **Load sensing:** 35.7 gal (136 L)
- **Hydraulic system:** 81.9 gal (310 L)
- **Fuel tank:** 89.8 gal (340 L)
- **Cooling system:** 6.0 gal (23 L)
- **Engine lubrication, including filter:** 6.6 gal (25 L)
- **Hydraulic tank:** 35.7 gal (136 L)
- **Hydraulic system:** 81.9 gal (310 L)
- **Propel gearbox:** 2.9 gal (11 L)
- **Front:** 1.4 gal (5.3 L)
- **Rear:** 3.4 gal (13 L)
- **Swing:** 3.5 gal (13 L)

#### SAE OPERATING WEIGHTS
- **ZAXIS 210W WITH MONOBLOCK BOOM**
  - **Front and rear outganger:** 46,400 lb (20,600 kg)
  - **Counterweight:** 175-lb (79 kg)
  - **Fuel tank:** 89.8 gal (340 L)
  - **Propel gearbox:** 2.9 gal (11 L)
  - **Hydraulic tank:** 35.7 gal (136 L)
  - **Hydraulic system:** 81.9 gal (310 L)
  - **Load sensing:** 35.7 gal (136 L)
  - **Cooling system:** 6.0 gal (23 L)
  - **Engine lubrication, including filter:** 6.6 gal (25 L)

- **ZAXIS 210W WITH TWO-PIECE BOOM**
  - **Front and rear outganger:** 46,400 lb (20,600 kg)
  - **Counterweight:** 175-lb (79 kg)
  - **Fuel tank:** 89.8 gal (340 L)
  - **Propel gearbox:** 2.9 gal (11 L)
  - **Hydraulic tank:** 35.7 gal (136 L)
  - **Hydraulic system:** 81.9 gal (310 L)
  - **Load sensing:** 35.7 gal (136 L)
  - **Cooling system:** 6.0 gal (23 L)
  - **Engine lubrication, including filter:** 6.6 gal (25 L)
**DIMENSIONS ZAXIS 210W**

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>ZAXIS 210W with Monoblock Boom</th>
<th>ZAXIS 210W with Two-Piece Boom</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Overall length (with monoblock boom and 9-ft. 7-in. [2.91 m] arm)**</td>
<td>32 ft. 2 in. (9830 mm)</td>
<td>30 ft. 9 in. (9370 mm)</td>
</tr>
<tr>
<td>B Overall height of boom (with monoblock boom and 9-ft. 7-in. [2.91 m] arm)**</td>
<td>10 ft. 2 in. (3110 mm)</td>
<td>8 ft. 8 in. (2640 mm)</td>
</tr>
<tr>
<td>C Overall height of boom (with two-piece boom and 9-ft. 7-in. [2.91 m] arm)**</td>
<td>11 ft. 3 in. (3440 mm)</td>
<td>9 ft. 0 in. (2750 mm)</td>
</tr>
<tr>
<td>D Swing center to rear axle**</td>
<td>4 ft. 2 in. (1270 mm)</td>
<td>3 ft. 7 in. (1080 mm)</td>
</tr>
<tr>
<td>E Maximum blade lower**</td>
<td>N/A</td>
<td>9 ft. 0 in. (215 mm)</td>
</tr>
<tr>
<td>F Maximum blade raise**</td>
<td>N/A</td>
<td>1 ft. 3 in. (375 mm)</td>
</tr>
<tr>
<td>G Overall width of blade***</td>
<td>N/A</td>
<td>8 ft. 4 in. (2530 mm)</td>
</tr>
<tr>
<td>H Overall width of upper structure**</td>
<td>8 ft. 2 in. (2490 mm)</td>
<td>8 ft. 2 in. (2500 mm)</td>
</tr>
<tr>
<td>I Overall width of tires**</td>
<td>8 ft. 2 in. (2500 mm)</td>
<td>8 ft. 2 in. (2500 mm)</td>
</tr>
<tr>
<td>J Minimum ground clearance**</td>
<td>1 ft. 1 in. (340 mm)</td>
<td>9 ft. 0 in. (2750 mm)</td>
</tr>
<tr>
<td>K Wheelbase**</td>
<td>9 ft. 0 in. (2750 mm)</td>
<td>8 ft. 3 in. (2500 mm)</td>
</tr>
<tr>
<td>L Swing radius**</td>
<td>4 ft. 2 in. (1270 mm)</td>
<td>4 ft. 2 in. (1270 mm)</td>
</tr>
<tr>
<td>M Counterweight clearance**</td>
<td>4 ft. 2 in. (1270 mm)</td>
<td>4 ft. 2 in. (1270 mm)</td>
</tr>
<tr>
<td>N Overall height of boom (traveling, with 9-ft. 7-in. [2.91 m] arm)</td>
<td>12 ft. 10 in. (3900 mm)</td>
<td>12 ft. 10 in. (3900 mm)</td>
</tr>
<tr>
<td>O Front overhang (traveling, with 9-ft. 7-in. [2.91 m] arm)</td>
<td>17 ft. 3 in. (5285 mm)</td>
<td>17 ft. 3 in. (5285 mm)</td>
</tr>
</tbody>
</table>

**Notes:**
- *Transportation dimension (without or with blade).
- **Transportation dimension (without blade).
- ***Transportation dimension (without blade)."
## Specifications

### BUCKETS ZAXIS 210W

**Type:** Indicates hydraulic-limited capacities; lightface type indicates stability-limited capacities. Ratings at bucket lift hook; machine equipped with 1.12-cu.-yd. (0.86 m³) 72-in. (1830 mm) wide, 1,590-lb. (723 kg) bucket; 9.7-in. (246 mm) arm and standard gauge; and situated on firm, uniform supporting surface.

### A Full Line of Buckets is Offered to Meet a Wide Variety of Applications

- Digging forces are with power boost. The buckets have a n adjustable bushing for side clearance, with the exception of the ditching bucket. Tooth selection includes either the Ecco [Vertalok] Standard, Tug®, Twin Tug®, Abnormal panel, or Flare tooth, or the ESCO (Vertalok) with power boost and are based on SAE J1097.

<table>
<thead>
<tr>
<th>Type</th>
<th>Bucket Width</th>
<th>Capacity</th>
<th>Weight</th>
<th>Dig Force</th>
<th>Height Over Front</th>
<th>Over Side</th>
<th>Over Front</th>
<th>Over Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 ft. 7 in. (2.91 m)</td>
<td>Tip Radius</td>
<td>No. Teeth</td>
<td>Load Point</td>
<td>10 ft. (3.05 m)</td>
<td>15 ft. (4.57 m)</td>
<td>20 ft. (6.10 m)</td>
<td>25 ft. (7.62 m)</td>
<td>30 ft. (9.15 m)</td>
</tr>
<tr>
<td>General-Purpose</td>
<td>30</td>
<td>760</td>
<td>0.95</td>
<td>0.73</td>
<td>1,206</td>
<td>502</td>
<td>30,410</td>
<td>135.3</td>
</tr>
<tr>
<td>Heavy Capacity</td>
<td>36</td>
<td>925</td>
<td>0.95</td>
<td>0.73</td>
<td>1,401</td>
<td>635</td>
<td>30,410</td>
<td>135.3</td>
</tr>
<tr>
<td>Plate Lip</td>
<td>42</td>
<td>1060</td>
<td>1.12</td>
<td>0.86</td>
<td>1,590</td>
<td>721</td>
<td>30,410</td>
<td>135.3</td>
</tr>
<tr>
<td>Ground Line</td>
<td>48</td>
<td>1220</td>
<td>1.30</td>
<td>0.99</td>
<td>1,673</td>
<td>759</td>
<td>30,410</td>
<td>135.3</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Height Over Front</th>
<th>Over Side</th>
<th>Over Front</th>
<th>Over Side</th>
<th>Over Front</th>
<th>Over Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>With two-piece boom and four outriggers down</td>
<td>25 ft. (7.62 m)</td>
<td>5,724 (2646)</td>
<td>5,724 (2646)</td>
<td>6,099 (2708)</td>
<td>6,099 (2708)</td>
</tr>
<tr>
<td>20 ft. (6.09 m)</td>
<td>5,724 (2646)</td>
<td>5,724 (2646)</td>
<td>6,099 (2708)</td>
<td>6,099 (2708)</td>
<td></td>
</tr>
<tr>
<td>25 ft. (7.62 m)</td>
<td>7,102 (3202)</td>
<td>7,102 (3202)</td>
<td>7,102 (3202)</td>
<td>7,102 (3202)</td>
<td></td>
</tr>
<tr>
<td>20 ft. (6.09 m)</td>
<td>7,102 (3202)</td>
<td>7,102 (3202)</td>
<td>7,102 (3202)</td>
<td>7,102 (3202)</td>
<td></td>
</tr>
</tbody>
</table>

### All capacities are SAE heatabsorbed and with side cutters.
EQUIPMENT

ENGINE

- 180-210 HP
- 8-ft. 10-in. (2.7 m) arm
- Electronic fuel injection
- Turbocharger with charge air cooler
- High/low travel mode with creeper range
- Fluid filter restriction indicator

HYDRAULIC SYSTEM

- Variable-geometry, two-piece boom
- Monitor system with alarm features
- Diode-acceleration indicator light
- Brake lights
- Motion alarm can cancel switch
- 2-D fuel at 35 API gravity

UNDERCARRIAGE

- Front axle, oscillating, lockable
- Window vandal protection covers
- 50-amp alternator
- Parking brake

UPPERSTRUCTURE

- Deluxe suspension cloth seat
- Deluxe auxiliary cooling system
- Tinted glass

OPERATOR’S STATION

- Adjustable independent control positions
- Work lights, top of cab (2), rear of cab (1)
- Gauges (illuminated): Engine load / Fuel
- Turn signals / Hazard lights

LIGHTS

- Headlights (2)
- Turn signals / Hazard lights

CONTROL OWNING AND OPERATING COSTS

Customer Personal Service (CPS) is part of Hitachi’s proactive, fix-before-fail strategy on machine maintenance that will help control costs, increase profits, and reduce stress. Included in this comprehensive lineup of ongoing programs and services are:

- Fluid analysis programs - tells you what’s going on inside all of your machine’s major components so you know if there’s a problem before you see a decline in performance. Fluid analysis is included in most extended coverage and preventive-maintenance agreements.
- Preventive Maintenance (PM) agreements - give you a fixed cost for maintaining a machine for a given period of time. They also help you avoid downtime by ensuring that critical maintenance work gets done right and on schedule. On-site preventive maintenance service performed whenever and where you need it helps protect you from the expense of catastrophic failures and lets you avoid waste disposal hassle.

Extended coverage - gives you a fixed cost for machine repairs for a given period of time so you can effectively manage expenses. Whether you work in a severe-service setting or you just want to spread the risk of doing business, this is a great way to control your costs. Extended coverage is a top priority for your operation. An extended coverage contract also travels well because it’s backed by the company and is honored by all Hitachi dealers.

Customer Support Advisor (CSA) - the CSA program lends a personal quality to Customer Personal Service (CPS). Certified CSAs have the knowledge and skills for helping make important decisions on machine maintenance and repair. Their mission is to help you implement a plan that’s right for your business and take the burden of machine maintenance off your shoulders.

HITACHI

Hitachi Construction Products
P.O. Box 8806 • 1515 5th Avenue • Moline, IL 61265
www.hitachiconstruction.com

See your Hitachi dealer for further information.