Rated Engine:
88 hp (65 kW)

Operating Weight:
27,600 lbs (12,500 kg)

Bucket Capacity:
0.34 - 1.06 yd³ (0.26 - 0.81 m³)
Rigid Undercarriage
The overall rigidity of the entire undercarriage has been strengthened for increased durability.

High-Power Engine
The Isuzu CC-4BG1TC generates
- 84 hp @ 1,950 rpm in P mode (62 kW/min⁻¹)
- 88 hp @ 2,150 rpm in H/P mode (65 kW/min⁻¹)
- 253 lbf•ft max. torque @ 1,600 rpm (35 kgf•m/min⁻¹)
and meets all Tier II emissions regulations.

Durable
Extensive steps have been taken to improve basic performance and overall durability.

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

Rigidity
Smarter, faster, more productive yet more efficient—the versatile Hitachi Zaxis 120 can be found at construction sites all over the world. Boasting a cleaner yet more powerful engine and a host of new items as well as significant refinements, Zaxis is the next generation in excavator development.

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 an on-site Palm™ Pilot and is transferred 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.

Multi-function Operations
The Zaxis 120 continues the Hitachi tradition of smooth, multi-functioning excavators. Executing combined operations such as simultaneous swinging and traveling are easy with Zaxis.
Higher Productivity
Zaxis uses the latest technologies to achieve lower total operational costs while boosting productivity. The large Isuzu intercooler-equipped engine provides an optimal balance of power and fuel efficiency.

Cab Comfort
The easy-to-read monitor panel and switches are located near the operator to minimize fatigue and enhance operator control. Noise levels inside the cabin have been reduced. 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 air flow.

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. This can help reduce the potential of operator injury in the event of an accident.

Operator Command
The newly refined hydraulic system gives the operator unprecedented control. The bucket-regenerative system makes light-duty operation quicker.

Increased Travel and Swing Power
Aimed with plenty of dependable power for travel and swing operations, the Zaxis 120 is ready for the toughest of terrains and job sites thanks to improved travel motors and swing reduction gear. It has 9% more swing torque and 4% more travel power than the EX120.

Auto Acceleration and Auto Idle
Engine speed is automatically controlled in response to the amount of lever operation. This helps reduce fuel consumption, especially during light load work. The Auto-idle control reduces the engine speed automatically to save energy when the lever is in neutral.

Lower Operating Costs
Reduced fuel consumption, a strengthened main frame, front attachment, and underride guard, longer lubrication intervals, 4,000-hour hydraulic oil and 1,000-hour hydraulic oil filters all work together to extend the durability of Zaxis while reducing running and repair costs.

Work Modes
Two modes simplify excavating operations. Select the “Digging” mode for smooth and speedy front operations or “Attachment” to use a wide variety of tools such as breakers, compactors, and crushers.

The powerful engine and hydraulic system work together to bring the maximum amount of excavating forces to the toughest of job sites.
### Lifting Capacities

#### Conditions

<table>
<thead>
<tr>
<th>Without Blade</th>
<th>Boom 15'1&quot; (4.60 m) Arm 8'3&quot; (2.52 m) Bucket</th>
<th>79 yd³ (60 m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5 ft (1.07 m)</td>
<td>14,186 (6 435)</td>
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</tr>
<tr>
<td>5 ft (1.52 m)</td>
<td>16,606 (7 532)</td>
<td>16,606 (7 532)</td>
</tr>
<tr>
<td>10 ft (3.05 m)</td>
<td>19,400 (8 747)</td>
<td>19,400 (8 747)</td>
</tr>
<tr>
<td>20 ft (6.10 m)</td>
<td>24,600 (11 130)</td>
<td>24,600 (11 130)</td>
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</table>

#### Without Blade

<table>
<thead>
<tr>
<th>Boom 15'1&quot; (4.60 m) Arm 9'11&quot;3/4 (3.03 m) Bucket</th>
</tr>
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<tr>
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### Backhoe Buckets

A full line of buckets is offered to meet a wide variety of applications. The buckets have an adjustable bushing for side clearance, with the exception of the ditching bucket. Tooth selection includes either the John Deere Fingarpull or the ESCO (Hellock) Standard tooth. Reversible cutting edges are available through Matchi parts. Optional side cutters 8 1/2 inch (215 mm) to bucket widths.

<table>
<thead>
<tr>
<th>Type Bucket</th>
<th>Bucket Width</th>
<th>Bucket Capacity*</th>
<th>Weight</th>
<th>Bucket Dig Force</th>
<th>Arm Dig Force 5' 6.4 (6.4 m)</th>
<th>Arm Dig Force 6' 11.4 (12.2 m)</th>
<th>Bucket Taper Radius</th>
<th>No. Teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Purpose Plate Lip</td>
<td>460</td>
<td>0.56</td>
<td>0.56</td>
<td>723</td>
<td>328</td>
<td>16,875</td>
<td>93.1</td>
<td>13,939</td>
</tr>
<tr>
<td>610</td>
<td>0.60</td>
<td>0.60</td>
<td>803</td>
<td>400</td>
<td>16,875</td>
<td>93.1</td>
<td>13,939</td>
<td>66.7</td>
</tr>
<tr>
<td>760</td>
<td>0.64</td>
<td>0.64</td>
<td>964</td>
<td>460</td>
<td>16,875</td>
<td>93.1</td>
<td>13,939</td>
<td>66.7</td>
</tr>
<tr>
<td>915</td>
<td>0.70</td>
<td>0.69</td>
<td>1,081</td>
<td>505</td>
<td>16,875</td>
<td>93.1</td>
<td>13,939</td>
<td>66.7</td>
</tr>
<tr>
<td>1055</td>
<td>0.76</td>
<td>0.76</td>
<td>1,245</td>
<td>603</td>
<td>16,875</td>
<td>93.1</td>
<td>13,939</td>
<td>66.7</td>
</tr>
<tr>
<td>1200</td>
<td>0.82</td>
<td>0.82</td>
<td>1,414</td>
<td>709</td>
<td>16,875</td>
<td>93.1</td>
<td>13,939</td>
<td>66.7</td>
</tr>
<tr>
<td>Heavy-duty Plate Lip</td>
<td>440</td>
<td>0.56</td>
<td>0.56</td>
<td>723</td>
<td>328</td>
<td>16,875</td>
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*All capacities are SAE heaped ratings.
DOZER BLADE (OPTION)

A Overall width of blade........................ 8'10" (2690 mm)
B Overall height of blade....................... 1'7" (483 mm)
C Max. raising height above ground....... 1'11" (580 mm)
D Max. lowering depth from ground...... 1'8" (510 mm)

EQUIPMENT

ENGINE

• H/P mode control
• E mode control
• 50 A alternator
• Dry-type air filter with evacuator valve (with safety element)
• Cartridge-type engine oil filter
• Cartridge-type fuel filter
• Radiator and oil cooler with dust protective net
• Radiator reserve tank
• Fan guard
• Isolation-mounted engine
• Auto-idle system
• Auto acceleration system

HYDRAULIC SYSTEM

• Work mode selector
• Engine speed sensing system
• E-P control system
• Quick warm-up system for pilot circuit
• Shockless valve in pilot circuit
• Boom arm and dipper valve
• Control valve with main relief valve
• Extra port for control valve
• Suction filter
• Full-flow filter
• Pilot filter

CAB

• CRES (Center pillar Reinforced Structure) cab
• All-weather sound-suppressed steel cab
• Reinforced, tinted (bronze color) glass windows
• 4 fluid-filled elastic mounts
• Upper and lower front windows and left side windows that open
• Intermittent windshield retractable wipers
• Front window washer
• Adjustable reclining seat with adjustable armrests
• Footrest
• Electric double horn
• AM-FM radio with digital clock
• Auto-idle/acceleration selector
• Seat belt
• Drink holder
• Cigar lighter
• Ashtray
• Storage box
• Glove compartment
• Floor mat
• Heater
• Pilot control shut-off lever
• Engine stop knob
• Auto control air conditioner

MONITOR SYSTEM

• Meters: Hourmeter, trip meter, engine coolant temperature gauge, and fuel gauge
• Warning lamps: Alternator charge, engine oil pressure, engine overheat, air filter restriction, and minimum fuel level
• Pilot lamps: Engine preheat, work light, auto-idle, auto-acceleration, digging mode, attachment mode
• Alarm buzzers: Engine oil pressure and engine overheat

LIGHTS

• 2 working lights

UPPERSTRUCTURE

• Undercrown
• 5,400 lb (2,450 kg) counterweight
• Fuel level float
• Hydraulic oil level gauge
• Tool box
• Utility space
• Rearview mirror (right & left side)
• Swing parking brake

FRONT ATTACHMENTS

• HN bushing
• WC thermal spraying
• Reinforced resin thrust plate
• Flanged pin
• Bucket clearance adjust mechanism
• Monolithically cast bucket link A
• Centralized lubrication system
• Dirt seal on all bucket pins

MISCELLANEOUS

• Lockable machine covers
• Lockable fuel filling cap
• Skid-resistant tapes, plates and handrails.
• Travel direction mark on track frame
• Onboard MIC

STANDARD EQUIPMENT

OPTIONAL EQUIPMENT

• Hose rupture valves
• Tropical cover
• 20" (500 mm), 24" (600 mm) triple grouser shoes
• Dozer blade

These specifications are subject to change without notice. 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.

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