STANDARD EQUIPMENT

ENGINE
- Meets EPA Tier II non-road emissions regulations
- HP mode control
- E mode control
- SO A alternator
- Dry-type air double filters with evacuator valve (with safety element)
- Cartridge-type engine oil filter
- Cartridge-type fuel filter
- Air cleaner double filter
- Radiator and oil cooler with dust protective net
- Fan guard
- Isolation-mounted engine
- Auto-idle system
- Auto acceleration system

HYDRAULIC SYSTEM
- Work mode selector
- Engine speed sensing system
- E-P control system
- Power boost
- Auto power lift
- Quick warm-up system for pilot circuit
- Boom-arm reduced fluid valve
- Control valve with main relief valve
- Extra auxiliary port in control valve
- Suction filter
- Full-flow filter
- Pilot filter
- CAT
  - CRES [Center pillar Reinforced Structure] design
  - 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 wipers
  - Front window washer
  - Deluxe suspension cloth seat with 4’ (100 mm) adjustable armrests with lumbar support
  - Footrest
  - Electric double horn
  - 12 V-60 W, 5 amp, cellular phone outlet
  - AM-FM stereo with digital clock
  - Auto-idle/acceleration selector
  - Seat belt, 2” (50 mm) retractable
  - Large cup holder
  - Cigarette lighter
  - Ashtray
  - Storage box
  - Glove compartment
  - Floor mat
  - Transparent tinted overhead hatch with sunshade
  - Pilot control shut-off lever
  - Engine step knob
  - Auto controil air conditioning with heater

FRONT ATTACHMENTS
- 10’ 2” (3.10 m) arm
- 12’ 14” (3.75 m) arm
- 24” (600 mm) reinforced triple grouser shoes
- 32” (800 mm) reinforced triple grouser shoes
- Auxiliary hydraulic and electric pilot controls
- Hydraulic filter restriction indicator kit
- Auxiliary hydraulic lines with shut-off valve
- Service cradle, anchoring, general purpose, horizontally, horizontally, horizontally, horizontally, vertically, side duty plate, side cutters and teeth
- Hydraulic bucket material clamps
- Hydraulic coupler
- Seat belt, 3” (76 mm) non-retractable
- Alternate pilot control pattern
- Cab circulation fan
- 24- to 12-volt, DC radio converters, 10 amp
- Secondary exit kit-top hatch
- Ripper
- Boom and arm anti-drift valves
- Lower front window guard
- Tropical door – left and right hand side
- Less boom and arm
- Single pedal propel control
- Heavy-duty grapple
- Protection screens for cab front, rear and side
- ISO Standard Falling Object Protective (FOPS) cab with integrated headguard
- Rub rail style guards
- Undercarriage frame opening guard
- Cab extension wire harness

OPTIONAL EQUIPMENT
- 10’ 2” (3.10 m) arm
- 12’ 14” (3.75 m) arm
- 24” (600 mm) reinforced triple grouser shoes
- 32” (800 mm) reinforced triple grouser shoes
- Auxiliary hydraulic and electric pilot controls
- Hydraulic filter restriction indicator kit
- Auxiliary hydraulic lines with shut-off valve
- Service cradle, anchoring, general purpose, horizontally, horizontally, horizontally, horizontally, vertically, side duty plate, side cutters and teeth
- Hydraulic bucket material clamps
- Hydraulic coupler
- Seat belt, 3” (76 mm) non-retractable
- Alternate pilot control pattern
- Cab circulation fan
- 24- to 12-volt, DC radio converters, 10 amp
- Secondary exit kit-top hatch
- Ripper
- Boom and arm anti-drift valves
- Lower front window guard
- Tropical door – left and right hand side
- Less boom and arm
- Single pedal propel control
- Heavy-duty grapple
- Protection screens for cab front, rear and side
- ISO Standard Falling Object Protective (FOPS) cab with integrated headguard
- Rub rail style guards
- Undercarriage frame opening guard
- Cab extension wire harness

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/or standard equipment with some differences in color and features.
One Powerful Solution

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

High-Power Engine
The Isuzu CC-6BG1T generates:
- 165 hp @ 2,050 rpm in P mode (123 kW/min)
- 173 hp @ 2,150 rpm in H/P mode (129 kW/min)
- 470 lbf•ft max. torque @ 1,800 rpm (65 kgf•m/min)
and meets EPA Tier II non-road emission regulations.

Multi-function Operations
The Zaxis 270LC continues the Hitachi tradition of smooth, multi-functioning excavators. Executing combined operations such as simultaneous swinging and traveling are easy with Zaxis.

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

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

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 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.

Smarter, faster, more productive yet more efficient—the versatile Hitachi Zaxis 270LC 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.

Smart, faster, more productive yet more efficient—the versatile Hitachi Zaxis 270LC 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.
Higher Productivity
Zaxis uses the latest technologies to achieve lower total operational costs while boosting productivity.

Cab Comfort
The easy-to-read monitor panel and switches are located near the operator to minimize fatigue and enhance operator control. The Autocontrol 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.

Increased Travel
Armed with plenty of dependable power for travel, the Zaxis 270LC is ready for the toughest of terrain and job site conditions. It boosts 10% more travel power than the EX270LC.

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, up to 5%. The Auto Idle Control reduces the engine speed automatically to save energy when the lever is in neutral.

Auto Power Lift
Loads are increased during bucket-filling operations. The Auto Power Lift function automatically provides a 6% increase in power to meet the demand.

Lower Operating Costs
Reduced fuel consumption, a strengthened main frame, front attachment, and undercarriage, 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.

Auto Power Lift loads are increased during bucket-filling operations. The Auto Power Lift function automatically provides a 6% increase in power to meet the demand.

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

One low-noise muffler and the Isuzu Tier II emissions control engine ensure a quieter, more environmentally friendly excavator. Plastic parts are labeled for easy recycling. Wiring is lead-free.

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### Dimensions / Working Ranges

#### ZAXIS 270-LC

<table>
<thead>
<tr>
<th>Condition</th>
<th>Load point height</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 ft. (3.05 m)</td>
<td>9,998 (4535)</td>
</tr>
<tr>
<td>15 ft. (4.57 m)</td>
<td>19,987 (9066)</td>
</tr>
<tr>
<td>20 ft. (6.10 m)</td>
<td>29,977 (13,457)</td>
</tr>
</tbody>
</table>

#### Lifting Capacities

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Load point height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom (8.0 m)</td>
<td>10 ft. (3.05 m)</td>
</tr>
<tr>
<td>Arm (12') (3.75 m)</td>
<td>10 ft. (3.05 m)</td>
</tr>
<tr>
<td>Bucket</td>
<td>1.75 yd. (1.34 m³)</td>
</tr>
<tr>
<td>Shoe (24” (600 mm)</td>
<td>3,750 lb. (16.5 kN)</td>
</tr>
<tr>
<td>Bucket</td>
<td>23,056 (10,397)</td>
</tr>
<tr>
<td>Shoe (32” (800 mm)</td>
<td>41,476 (184.5 kN)</td>
</tr>
<tr>
<td>Bucket</td>
<td>9,371 (4251)</td>
</tr>
<tr>
<td>Shoe (32” (800 mm)</td>
<td>11,506 (5219)</td>
</tr>
</tbody>
</table>

### Backhoe Buckets

#### ZAXIS 270-LC

<table>
<thead>
<tr>
<th>Type Bucket</th>
<th>Width</th>
<th>Capacity</th>
<th>Weight</th>
<th>Arm Dig Force</th>
<th>Bucket</th>
<th>Bucket</th>
<th>Bucket</th>
<th>Tip Radius</th>
<th>No. Teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>General/Purpose Plate Lip</td>
<td>24</td>
<td>610</td>
<td>0.91</td>
<td>1,490</td>
<td>605</td>
<td>31,460</td>
<td>167.0</td>
<td>26,056</td>
<td>116.6</td>
</tr>
<tr>
<td>High Capacity Plate Lip</td>
<td>36</td>
<td>915</td>
<td>1.16</td>
<td>2,075</td>
<td>941</td>
<td>41,476</td>
<td>184.5</td>
<td>26,956</td>
<td>116.0</td>
</tr>
<tr>
<td>Heavy-duty Plate Lip</td>
<td>42</td>
<td>1,365</td>
<td>1.36</td>
<td>2,473</td>
<td>1,150</td>
<td>41,476</td>
<td>184.5</td>
<td>26,956</td>
<td>116.0</td>
</tr>
<tr>
<td>Rotary-ditching Plate Lip</td>
<td>48</td>
<td>1,210</td>
<td>1.22</td>
<td>2,507</td>
<td>1,112</td>
<td>41,476</td>
<td>184.5</td>
<td>26,956</td>
<td>116.0</td>
</tr>
<tr>
<td>High Capacity Plate Lip</td>
<td>54</td>
<td>1,375</td>
<td>1.37</td>
<td>2,712</td>
<td>1,271</td>
<td>41,476</td>
<td>184.5</td>
<td>26,956</td>
<td>116.0</td>
</tr>
</tbody>
</table>

### Notes:
1. Capacities are based on SAE J732.
2. Lifting capacity of the ZAXIS 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 at a point (non-standard equipment) located on the back of the bucket.
4. *All capacities are SAE heaped ratings and with side cutters.