**ZAXIS 35U-2**

- **Engine Net Power:** 29.9 hp (22.3 kW)
- **Operating Weight:** 7,672 lb. (3480 kg)
- **Backhoe Bucket:** 1.7–5.9 ft³ (0.05–1.17 m³)
# ZAXIS 35U-2 SPECIFICATIONS

## Engine
- **Make:** Yanmar
- **Model:** 3TNV88
- **Fuel:** diesel
- **Cooling:** liquid
- **Displacement:** 100.4 cu. in. (1.645 L)
- **Net power (ISO9249):** 29.9 hp (22.3 kW) @ 2,500 rpm

## Performance
- **Operating weight (canopy, standard arm, rubber shoes):** 7,672 lb. (3480 kg)
- **Maximum travel speed**
  - Low: 1.7 mph (2.8 km/h)
  - High: 2.8 mph (4.5 km/h)
- **Hydraulic pumps**
  - Type: 2 piston and 1 gear
  - Maximum rated flow:
    - Piston: 2 x 10.6 gpm (2 x 40.0 L/min.)
    - Gear: 6.9 gpm (26.0 L/min.)
  - Auxiliary flow: 17.5 gpm (66.3 L/min.)
- **Fuel tank capacity:** 10.5 gal. (40 L)
- **Hydraulic tank capacity:** 12.2 gal. (46 L)
- **Ground pressure (with rubber track):** 4.6 psi (31.4 kPa)

## Lift Capacities
- **Ground level at 10-ft. (3.05 m) radius**
  - Over front, blade down: 3,334 lb. (1512 kg)*
  - Over side: 1,412 lb. (640 kg)
  - *Limited by hydraulics.

## Drive
- Each track is independently driven by a hydrostatic axial-piston motor connected to a two-stage planetary gear reduction box.

## Swing System
- **Swing speed:** 9.3 rpm
- **Boom swing**
  - Left: 72 degrees
  - Right: 62 degrees

## Blade
- **Blade width:** 5 ft. 8.5 in. (1740 mm)
- **Blade height:** 13.8 in. (350 mm)
Working Ranges

<table>
<thead>
<tr>
<th>Canopy</th>
<th>Long arm</th>
<th>Cabin</th>
<th>Long arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard arm</td>
<td>4 ft. 3.8 in.</td>
<td>5 ft. 7.5 in.</td>
<td>4 ft. 3.8 in.</td>
</tr>
<tr>
<td></td>
<td>16 ft. 0.9 in.</td>
<td>17 ft. 15 mm</td>
<td>15 ft. 6 in.</td>
</tr>
<tr>
<td>B</td>
<td>Max. digging depth</td>
<td>11 ft. 5.4 in.</td>
<td>10 ft. 11 in.</td>
</tr>
<tr>
<td></td>
<td>3490 mm</td>
<td>3600 mm</td>
<td>3330 mm</td>
</tr>
<tr>
<td>C</td>
<td>Max. digging depth</td>
<td>10 ft. 0.4 in.</td>
<td>10 ft. 0 in.</td>
</tr>
<tr>
<td></td>
<td>3060 mm</td>
<td>3600 mm</td>
<td>3600 mm</td>
</tr>
<tr>
<td>D</td>
<td>Max. digging reach</td>
<td>17 ft. 1.5 in.</td>
<td>18 ft. 2 in.</td>
</tr>
<tr>
<td></td>
<td>5220 mm</td>
<td>5530 mm</td>
<td>5220 mm</td>
</tr>
<tr>
<td>E</td>
<td>Min. front swing radius</td>
<td>6 ft. 9 in.</td>
<td>7 ft. 1 in.</td>
</tr>
<tr>
<td></td>
<td>2070 mm</td>
<td>2170 mm</td>
<td>2230 mm</td>
</tr>
<tr>
<td>F</td>
<td>Transport length</td>
<td>15 ft. 3.1 in.</td>
<td>15 ft. 8 in.</td>
</tr>
<tr>
<td></td>
<td>4650 mm</td>
<td>4780 mm</td>
<td>4650 mm</td>
</tr>
<tr>
<td></td>
<td>Bucket breakout force</td>
<td>6,182 lb.</td>
<td>6,182 lb.</td>
</tr>
<tr>
<td></td>
<td>27.5 kN</td>
<td>27.5 kN</td>
<td>27.5 kN</td>
</tr>
<tr>
<td></td>
<td>Arm breakout force</td>
<td>4,294 lb.</td>
<td>4,294 lb.</td>
</tr>
<tr>
<td></td>
<td>19.1 kN</td>
<td>19.1 kN</td>
<td>17.2 kN</td>
</tr>
</tbody>
</table>

Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>Upperstructure width</td>
</tr>
<tr>
<td>H</td>
<td>Overall height (canopy)</td>
</tr>
<tr>
<td>I</td>
<td>Track width</td>
</tr>
<tr>
<td>J</td>
<td>Undercarriage width</td>
</tr>
<tr>
<td>K</td>
<td>Ground clearance</td>
</tr>
<tr>
<td>L</td>
<td>Tail swing radius (with standard arm)</td>
</tr>
<tr>
<td>M</td>
<td>Engine cover height</td>
</tr>
<tr>
<td>N</td>
<td>Maximum blade lift above ground</td>
</tr>
<tr>
<td>O</td>
<td>Maximum blade drop below ground</td>
</tr>
<tr>
<td>P</td>
<td>Sprocket center to idler center</td>
</tr>
<tr>
<td>Q</td>
<td>Track length</td>
</tr>
<tr>
<td>R</td>
<td>Counterweight clearance</td>
</tr>
</tbody>
</table>
Equipment

**Key** Standard Equipment ▲ Optional or Special Equipment

### Engine
- Certified to Tier-2
- Engine coolant to –34°F (-37°C)
- Engine preheater
- Fan guard
- Fuel/water separator
- Full-flow oil filter
- Isolation mounted
- Key start switch with electric fuel shutoff
- Single dry-type air filter
- Under-hood muffler

### Undercarriage
- Rubber track, 12-in. (300 mm)
- Backfill blade, 5-ft. 8.5-in. (1740 mm)
- Articulation hose shield
- One-piece airtight floor
- Counterweight, 1,171 lb. (531 kg)
- Lift capacities shown are for base machine above with mechanical quick-coupler, less bucket.

### Uppercarriage
- Arm, 4-ft. 3.8-in. (1315 mm)
- Boom, 8-ft. 1-in. (2465 mm)
- Boom swing foot control
- Boom-swing foot control
- Planetary final drive

### Front Attachments
- Long arm, 5-ft. 7.5-in. (1715 mm), includes additional 507-lb. (230 kg) counterweight
- Articulation hose shield
- Mechanical quick-coupler
- Augers: Planetary / Chain drive / Bits / Bit adapters

### Optional or Special Equipment
- 12-volt accessory outlet
- Alternator, 55 amp
- Low-maintenance battery
- Blade-type multi-fused circuits
- Positive-terminal battery covers
- Front screen

### Lights
- Work lights: Halogen / One mounted on operator’s station / One mounted on boom
- Work lights switch

### Operator’s Station
- Horn
- Hourmeter
- Instrumentation lights
- Monitor system: Preheat indicator / Engine oil pressure indicator / Alternator voltage indicator / Fuel gauge and fuel level indicator / Engine coolant temperature gauge and engine coolant temperature indicator / Hour meter / Work lights indicator
- Motion alarm with cancel switch
- Propel levers and foldable pedals
- Two travel speeds with automatic shifting
- Seat belt, 2-in. (51 mm), retractable
- Vinyl seat with fore/aft adjustment
- Suspension seat
- ROPS/TOPS/FOPS cab with air conditioning, heater, and cloth suspension seat
- Front screen
- Rear exit kit

### Hydraulic System
- Auxiliary function foot control
- Auxiliary hydraulic lines with quick-couplers to end of boom
- Auxiliary return-flow selector valve
- Axial-piston swing motor
- Boom-swing foot control
- Excavator-to-backhoe control pattern change valve
- Open center with two variable-displacement pumps and one fixed-gear pump
- Hydraulic pilot-operated controls for boom, arm, bucket, swing, boom swing, blade, travel, and auxiliary functions
- Wet-disc swing brake

### Electrical
- Blade-type multi-fused circuits
- Low-maintenance battery
- Positive-terminal battery covers
- Work 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 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 it’s backed by the company and is honored by all Hitachi dealers.

**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 where and when you need it helps protect you from the expense of catastrophic failures and lets you avoid waste disposal hassles.

**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 custom-fit coverage to 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 Advisors (CSAs)** - 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.

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Note: engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at test conditions per SAE standard, unless otherwise noted. Gross power is without cooling fan. Specifications are subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on canopy units with standard arm, 60-cu. ft. (1.7 m³) bucket, and 357-lb. (162 kg) operator; 350-2 unit with 24-in. (610 mm), 4.0-cu. ft. (1.1 m³) bucket; 12-in. (300 mm) rubber track; and 1,171-lb. (531 kg) counterweight. Lift capacities shown are for base machine above with mechanical quick-coupler, less bucket.