**ZAXIS 17U-2**

- **Engine Net Power:** 14.8 hp (11.0 kW) @ 2,400 rpm
- **Operating Weight:** 4,173 lb. (1893 kg)
- **Backhoe Bucket:** 1.5 cu. ft. (0.04 m³)
ZAXIS 17U-2 SPECIFICATIONS

Engine
Make ............................................................................. Yanmar
Model ............................................................................. 3TNV70
Non-road emission standards ........................................ certified to EPA Tier 4 final
Displacement .................................................................... 52 cu. in. (0.85 L)
Net power (ISO9249) ...................................................... 14.8 hp (11.0 kW) @ 2,400 rpm

Powertrain
Each track independently driven by hydrostatic axial-piston motor connected to two-stage planetary gear-reduction box
Maximum travel speed
Low ......................................................................... 1.5 mph (2.4 km/h)
High ......................................................................... 2.7 mph (4.3 km/h)
Swing speed .................................................................. 8.9 rpm
Swing brake .................................................................... spring applied, hydraulically released, automatic

Hydraulics
Open center with two variable-displacement pumps and one fixed-gear pump
Maximum rated flow
Piston pump ............................................................ 2 x 5.1 gpm (2 x 19.2 L/min.)
Gear pump ............................................................... 3.3 gpm (12.5 L/min.)
Auxiliary ................................................................. 8.4 gpm (31.7 L/min.)
Controls ....................................................................... hydraulic pilot-operated for boom, arm, bucket, swing, boom swing, blade, travel, and auxiliary functions

Electrical
Alternator rating ............................................................. 40 amp
Work lights .............................................................. one mounted on boom

Undercarriage
Planetary final drive; two-speed axial-piston propel motors
Tracks, rubber ........................................................... 9 in. (230 mm)
Ground pressure (with rubber track) ......................... 4.1 psi (28 kPa)

Upperstructure
Rotation ....................................................................... 360 deg.
Independent swing boom
Left ........................................................................... 70 deg.
Right .......................................................................... 50 deg.
Counterweight
Standard .................................................................... 507 lb. (230 kg)
Optional extra ............................................................ 176 lb. (80 kg)
Tailswing
Standard counterweight ........................................... 1 in. (35 mm)
Optional extra counterweight .................................. 5 in. (115 mm)

Front Attachments
Boom ............................................................................. 6 ft. (1820 mm)
Arm
Standard .................................................................... 3 ft. 1 in. (0.93 m)
Long ........................................................................... 3 ft. 8 in. (1.13 m)
Backfill blade width
Minimum ..................................................................... 3 ft. 3 in. (0.98 m)
Maximum ................................................................... 4 ft. 2 in. (1.28 m)

Serviceability
Refill Capacities
Fuel tank ..................................................................... 5.2 gal. (19.5 L)
Cooling system .......................................................... 2.9 qt. (2.7 L)
Engine oil (with filter) .................................................. 3.3 qt. (3.1 L)
Hydraulic tank .......................................................... 5.3 gal. (20.2 L)
Travel gearbox (each) ..................................................... 0.26 qt. (0.25 L)

Operating Weights
With full fuel tank and 175-lb. (79 kg) operator
With rubber track ....................................................... 4,173 lb. (1893 kg)
With steel track ......................................................... 4,364 lb. (1979 kg)

Electrical alternator rating ............................................................. 40 amp
Work lights .............................................................. one mounted on boom

Undercarriage planetary final drive; two-speed axial-piston propel motors
Tracks, rubber ........................................................... 9 in. (230 mm)
Ground pressure (with rubber track) ......................... 4.1 psi (28 kPa)

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With full fuel tank and 175-lb. (79 kg) operator
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### Working Ranges

<table>
<thead>
<tr>
<th>Description</th>
<th>Standard arm and standard counterweight</th>
<th>Standard arm and extra counterweight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. digging height</td>
<td>11 ft. 8 in. (3.56 m)</td>
<td>12 ft. (3.66 m)</td>
</tr>
<tr>
<td>Max. dumping height</td>
<td>8 ft. 9 in. (2.63 m)</td>
<td>8 ft. 9 in. (2.63 m)</td>
</tr>
<tr>
<td>Max. digging depth</td>
<td>7 ft. 9 in. (2.37 m)</td>
<td>7 ft. 9 in. (2.37 m)</td>
</tr>
<tr>
<td>Max. digging reach</td>
<td>13 ft. 5 in. (4.08 m)</td>
<td>13 ft. 5 in. (4.08 m)</td>
</tr>
<tr>
<td>Min. front swing radius</td>
<td>5 ft. 4 in. (1.63 m)</td>
<td>5 ft. 4 in. (1.63 m)</td>
</tr>
<tr>
<td>Transport length</td>
<td>11 ft. 11 in. (3.64 m)</td>
<td>11 ft. 11 in. (3.64 m)</td>
</tr>
</tbody>
</table>

### Bucket Breakout Force

- **Standard arm and standard counterweight**: 3,597 lb. (16.0 kN)
- **Standard arm and extra counterweight**: 3,597 lb. (16.0 kN)

### Arm Breakout Force

- **Standard arm and standard counterweight**: 2,316 lb. (10.3 kN)
- **Standard arm and extra counterweight**: 2,046 lb. (10.3 kN)

### Dimensions

#### Blade Width
- **Minimum**: 3 ft. 3 in. (0.98 m)
- **Maximum**: 4 ft. 2 in. (1.28 m)
- **Blade height**: 10.2 in. (260 mm)

#### Upperstructure Width
- **Minimum**: 3 ft. 3 in. (0.98 m)
- **Maximum**: 4 ft. 2 in. (1.28 m)

#### Overall Height to Roof
- **Minimum**: 7 ft. 10 in. (2.40 m)
- **Maximum**: 8 ft. 10 in. (2.70 m)

#### Track Width
- **Minimum**: 9 in. (230 mm)
- **Maximum**: 9 in. (230 mm)

#### Undercarriage Width
- **Minimum**: 3 ft. 2 in. (0.97 m)
- **Maximum**: 4 ft. 2 in. (1.28 m)

#### Ground Clearance
- **Minimum**: 6.5 in. (165 mm)
- **Maximum**: 6.5 in. (165 mm)

#### Tail Swing Radius
- **Minimum**: 2 ft. 3 in. (755 mm)
- **Maximum**: 2 ft. 6 in. (780 mm)

#### Engine Cover Height
- **Minimum**: 4 ft. (1.21 m)
- **Maximum**: 4 ft. (1.21 m)

#### Maximum Blade Lift
- **Minimum**: 11.2 in. above ground (285 mm)
- **Maximum**: 11.2 in. above ground (285 mm)

#### Maximum Blade Drop
- **Minimum**: 9.4 in. below ground (240 mm)
- **Maximum**: 5 ft. 2 in. below ground (240 mm)

#### Sprocket Center to Idler Center
- **Minimum**: 1.21 m
- **Maximum**: 1.21 m

#### Track Length
- **Minimum**: 5 ft. 2 in. (1.57 m)
- **Maximum**: 5 ft. 2 in. (1.57 m)

#### Counterweight Clearance
- **Minimum**: 1 ft. 5 in. (415 mm)
- **Maximum**: 1 ft. 4 in. (415 mm)

### Lift Capacities

- **Over front, blade down (limited by hydraulics)**: 979 lb. (444 kg)
- **Over side**: 500 lb. (227 kg)
- **Over front, blade down (limited by hydraulics)**: 963 lb. (437 kg)
- **Over side**: 524 lb. (238 kg)

- **3 ft. 8 in. (1.13 m)**
  - **Standard arm and standard counterweight, and rubber track**: 979 lb. (444 kg)
  - **Long arm, extra counterweight, and rubber track**: 559 lb. (254 kg)
  - **Long arm, extra counterweight, and steel track**: 583 lb. (264 kg)

- **3 ft. 1 in. (0.93 m)**
  - **Standard arm and standard counterweight, and rubber track**: 963 lb. (437 kg)
  - **Long arm, extra counterweight, and rubber track**: 524 lb. (238 kg)
  - **Long arm, extra counterweight, and steel track**: 583 lb. (264 kg)
Equipment

**Key**  
- Standard Equipment  
- Optional or Special Equipment

### Engine
- Certified to EPA Tier 4 final non-road emission standards
- 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

### 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

### Undercarriage
- Hydraulic adjustable variable width
- Planetary final drive

### Upperstructure
- Propulsion motor shield
- Two-speed axial-piston propel motors
- Rubber track, 9-in. (230 mm)
- Steel track, 9-in. (230 mm) with triple semi-grousers
- Rubber crawler pad, 9-in. (230 mm)

### Front Attachments
- Arm, 3 ft. 1 in. (0.93 m)
- Arm, 3 ft. 8 in. (1.13 m)
- Articulation hose shield
- Backfill blade, 3-ft. 3-in. (0.98 m) minimum to 4-ft. 2-in. (1.28 m) maximum
- Boom, 6 ft. (1.82 m)
- Mechanical quick-coupler
- Augers: Chain drive / Bits / Bit adapters
- Clamp
- Quick-coupler buckets: Ditching / Heavy-duty

### Operator’s Station
- Horn
- Instrumentation lights
- Monitor system: Preheat indicator / Engine oil pressure indicator with alarm / Alternator voltage indicator / Fuel gauge and low fuel-level indicator / Engine coolant temperature gauge and engine coolant high temperature indicator with alarm / Hour meter / Work lights indicator
- Motion alarm with cancel switch
- Work lights switch
- Propel levers
- Two travel speeds
- Seat belt, 2-in. (51 mm), retractable
- Vinyl seat with fore/aft adjustment
- Front screen

### Electrical
- 12-volt accessory outlet
- Alternator, 40 amp
- Low-maintenance battery
- Blade-type multi-fused circuits
- Positive-terminal battery covers

### Lights
- Work lights: One mounted on boom
- Instrumentation lights
- Motion alarm with cancel switch
- Work lights switch
- Propel levers
- Two travel speeds
- Seat belt, 2-in. (51 mm), retractable
- Vinyl seat with fore/aft adjustment
- Front screen

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

- **Extended Coverage Warranty**—Extended Coverage Warranty—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. Choose from engine, powertrain, powertrain plus hydraulics, or full-machine coverage. An Extended Coverage Warranty contract travels well because it’s backed by Hitachi and honored by all Hitachi dealers. What’s more, Extended Coverage Warranty can be transferred if you sell or trade your machine, so it adds value at trade-in. For specific Extended Coverage Warranty details, please contact your Hitachi dealer. There may be a transfer fee if application changes.

- **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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Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions per 609249. No derating is required up to 6,600 ft. (2,000 m) altitude. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a canopy unit with 37°-7 in. (960 mm) 1.5 cu. ft. (0.04 m³) bucket; 9 in. (229 mm) rubber track; 93 ft-lb. (126 Nm) torque converter; 507-lb. (230 kg) counterweight; and 125 lb. (57 kg) operator. Lift capacities shown are for basic machine above with mechanical quick-coupler less bucket.