HITACHI

Mini-Excavator Series

EX27U

Rated Engine HP
23.0 hp (16.9 kW)

Operating Weight
EX27U: 6,460 lbs (2,930 kg)

Bucket Capacity
0.10 yd³ (0.08 m³)
Ultra-compact yet powerful, Hitachi’s EX27U will prove itself over and over on your jobsites as a productive money-maker.

Get in close to pavements and walls for parallel digging without straddling, thanks to the standard swing boom.

Use the already-plumbed hydraulic attachment package for a hammer or other powered attachment.

Load it up and trailer it around like it was a skid steer—put it to work and let it make you money.

The EX27U is one tough excavator.
The Hitachi EX27U Is Clearly Not A “Toy”

Hitachi excavators have one of the highest owner satisfaction ratings of all makes, especially when it comes to smooth, multi-function control, dependable production, and low operating cost. You'll find that the EX27U is no exception. It has been engineered and built with the same high standards of quality control and field ruggedness you've come to expect from Hitachi.

Although the EX27U is small in size, it is big on features, such as an extra hydraulic valve, a proven boom/stick design, and a rugged dozer blade. The cab is comfortable and ergonomically designed. The Isuzu 3LD1 engine starts up easily and is a high performer. Three pumps are used for smooth multi-function travel/swing boom lift. And an ultra short radius means you can get in close to concentrate on the job, not any obstructions.

The instrument bay is logically arranged and easy to read - even in bright light.

The functional and comfortable work station means high productivity. An enclosed cab is optional.

The proven Isuzu 3LD1 diesel engine meets all EPA and CARB requirements and is rated at 23.0 hp (16.9 kW). The engine cover opens wide for easy maintenance.

Choose high speed for quick job-to-job travel and low speed for powerful, stable travel and blade operation.
Specifications: EX27U

### Specifications

**Operating weight:**
- 4-pillar canopy: 6,460 lb (2,930 kg)
- Cab: 6,724 lb (3,050 kg)

**Standard bucket:**
- Capacity: 0.10 yd³ (0.08 m³)
- Width: 1.97 in (500 mm)
- Length: 3.84 in (1.17 m)
- Rubber shoe width: 12 in (300 mm)

**Model:** Isuzu 3LD1, Diesel
**Rated power:** 23.0 hp (16.9 kW)

**Engine**
- @ 2,450 rpm (min⁻¹)
- No. of cylinders: 3
- Displacement: 91.5 in³ (1.50 L)
- Fuel tank capacity: 10.6 US gal (40.0 L)

**Hydraulic System**
- Max. flow rate: 7.8 x 2.4 US gpm (29.4 x 2, 15.9 L/min)
- Aux. line max. flow rate: 12.0 US gpm (45.3 L/min)
- Hydraulic tank capacity: 11.0 US gal (41.8 L)
- System capacity: 12.7 US gal (48.0 L)

**Performance**
- Max. bucket breakout force: 5,071 lbf (2,300 kgf)
- Max. arm digging force: 3,329 lbf (1,510 kgf)
- Max. swing speed: 8.1 rpm (min⁻¹)
- Max. travel speed: 2.48/1.5 mph (4.0/2.4 km/h)
- Max. drawbar pull: 4,850 lbf (2,200 kgf)
- Gradeability: 30° (58%)
- Ground pressure: 4.22 psi (0.30 kgf/cm², 29.1 kPa)

**Rated lifting capacity, over side:**
- Max. height/radius: 9.8/9.8 ft (3.0/3.0 m)
  - 974 lb (442 kg)
- Height/max. radius: 6.96/13.1 ft (2.0/4.0 m)
  - 683 lb (310 kg)

### Options

- Enclosed cab
- Steel track

### Service Features

- Swing gear grease-bathed for extended maintenance intervals of up to 500 hours
- Swing reduction gear lubricated with hydraulic oil. No gear oil change necessary
- Hydraulic oil change interval at 4000 hours (with Hitachi Super EX 46HN Oil)
- Aluminum-finned radiator and oil cooler for high resistance to corrosion
- Green chromate-treated bolts for high resistance to corrosion
- Water separator to prevent water entry into fuel line
- Bucket cylinder hose housed inside arm
- Wet-type multi-plate swing parking brake, interlocked with the lock lever, provided for transportation
- Easily detachable machine cover
- Engine cover opens wide for easy maintenance

### Working Ranges

- A Distance between tumbler: 4' 11" (1,500 mm)
- B Undercarriage length: 6' 4" (1,920 mm)
- C Counterweight clearance: 1' 9.3" (540 mm)
- D Rear-end length: 3' 2" (970 mm)
- E Overall width of superstructure: 4' 11" (1,490 mm)
- F Overall height of 4-pillar canopy/cab: 8' 4.4"/8' 7.9" (2,550/2,640 mm)
- G Min. ground clearance: 1' .8" (325 mm)
- H Tract gauge: 4' 1" (1,250 mm)
- J Undercarriage width: 5' 1" (1,550 mm)
- K Front-end length: 10' 10" (3,290 mm)
- L Overall length: 13' 11.7" (4,260 mm)
- M Overall height of boom: 4' 8" (1,420 mm)
- N Blade height: 1' 3.2" (385 mm)
- O Blade distance: 4' 8" (1,435 mm)
- P Blade width: 5' 1" (1,550 mm)
- Q Rear-end swing radius: 2 6.5" (775 mm)

- A' Max. digging reach on ground: 15' 0" (4,580 mm)
- B' Max. vertical digging depth: 7' 3" (2,200 mm)
- C' Max. cutting height: 4-pillar canopy/cab: 13' 11" (4,140 mm)
- D' Max. dumping height: 4-pillar canopy/cab: 9' 10" (3,000 mm)
- E' Min. swing radius: 6' 8" (2,040 mm)
- F' Max. blade raising height above ground level: 1' 1" (330 mm)
- G' Max. blade lowering depth below ground level: 1' 2.6" (370 mm)
- H' Offset distance: 5' 9" (1,750 mm)
- I' Max. right offset: 4-pillar canopy/cab: 2' 2.8" (690 mm)
- J' Max. left offset: 4-pillar canopy/cab: 2' 2.8" (690 mm)
- Boom swing angle (left/right): 56°/56°

These specifications are subject to change without notice.
Hitachi of North America

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Hitachi excavators, mini excavators, mining shovels, cranes and forestry machines are the best you can buy. Our commitment to superior product support is equally outstanding.