

HITACHI

Mini-Excavator Series

EX50U

Rated Engine HP
38.0 hp (27.9 kW)

Operating Weight
EX50U: 10,274 lbs
(4 660 kg)

Bucket Capacity
0.21 yd³
(0.16 m³)



The EX50U Is 100% Fast, Smooth, Tough

Model	Operating Weight	Travel Speeds	Max Digging Reach	Gradeability	Max. Bucket Breakout Force
EX50U	10,274 lbs (4 660 kg)	0 - 2.8 mph (0 - 4.5 km/h)	19 ft (5 800 mm)	30° (58%)	8,377 lbf (3 800 kgf)



Ultra-compact yet powerful, Hitachi's EX50U 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 EX50U is one tough excavator.

The Hitachi EX50U 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 EX50U 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 EX50U 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 4LE1 engine starts up easily and is a high performer. Three pumps are used for smooth multi-function travel/swing/boom lift. And the ultra short radius means you can get in close to concentrate on the job, not any obstructions.

Similar boom/stick design as in bigger models for extreme applications. Bucket cylinder hose is housed inside arm for protection. The hydraulic attachment package is standard.

Plumbed for hydraulic attachment.

The piping and connectors are rugged. Split-type front hoses allow for simple replacement.

Swinging boom lets you dig parallel to walls, pavements.

The boom cylinder and arm cylinder are cushioned at stroke ends to absorb shocks. (Boom cylinder: cushioned only at boom end.) An anti-drift valve reduces front attachment drift. HN bushings are used on all front attachment and blade joints.

The 6' 7" (2 000 mm) long dozer blade needs no lubrication and is standard.

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 4LE1 diesel engine meets all EPA and CARB requirements and is rated at 38.0 hp (27.9 kW). The engine cover opens wide for easy maintenance.

The carbody is extremely tough. It comes with a side step for easy access and an easily detachable machine cover. The body's "ultra short radius" rear-end will always remain within the undercarriage width.

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

The 16" (400 mm) rubber track is standard. A steel track is optional.

Specifications: EX50U

Standard Features

- Dozer blade
- Control valve for extra hydraulic port
- Hydraulic plumbing for attachments
- Operator control switch for hydraulic attachment
- 4-pillar canopy

Options

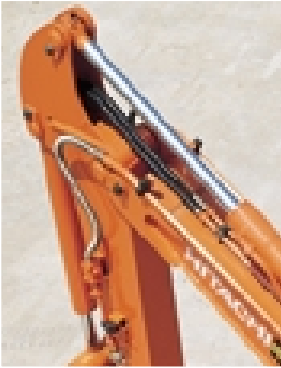
- Enclosed cab
- Steel track

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



Aluminum-finned radiator and oil cooler for high resistance to corrosion



Bucket cylinder hose housed inside arm

Specifications

Operating weight:
4-pillar canopy.....10,274 lb (4 660 kg)
Cab.....10,494 lb (4 760 kg)

Standard bucket:
Capacity0.21 yd³ (.016 m³)
Width25.6 in (650 mm)

Standard arm length:.....4.39' (1.34 m)
Standard rubber shoe width: ...16" (400 mm)

Engine
Model:Isuzu 4LE1, Diesel
Rated power:38.0 hp (27.9 kW)
@ 2,000 rpm (min⁻¹)

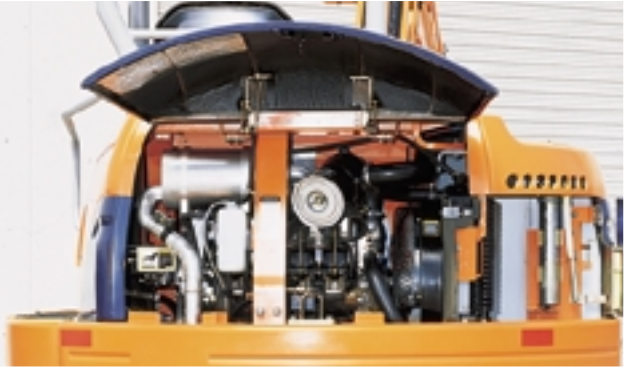
No. of cylinders:4
Displacement:.....133.0 in³ (2.18 L)
Fuel tank capacity:13.2 US gal (50.0 L)

Hydraulic System
Max. flow rate:10.9 x 2, 7.6 US gpm
(41.4 x 2, 28.6 L/min)

Aux. line max. flow rate:.....21.9 US gpm (82.8 L/min)
Hydraulic tank capacity:16.4 US gal (62.0 L)
System capacity:20.6 US gal (78.0 L)

Performance
Max. bucket breakout force:8,377 lbf (3 800 kgf)
Max. arm digging force:.....5,512 lbf (2 500 kgf)
Max. swing speed:.....7.4 rpm (min⁻¹)
Max. travel speed:2.8/1.6 mph (4.5/2.5 km/h)
Max. drawbar pull:7,716 lbf (3 500 kgf)
Gradeability:30° (58%)
Ground pressure:3.84 psi
(0.27 kgf/cm², 26.5 kPa)

Rated lifting capacity, over side
Max. height/radius9.8/13.1 ft (3.0/4.0 m)
1,638 lb (743 kg)
Height/max. radius6.6/16.4 ft (2.0/5.0 m)
1,067 lb (484 kg)

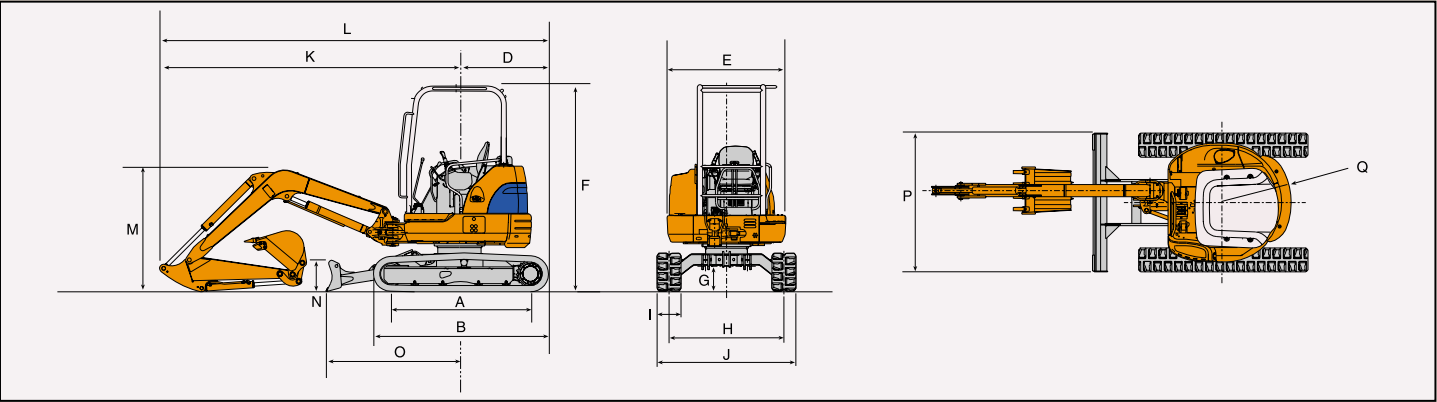


Engine cover opens wide for easy maintenance

Standard equipment may vary by country, so please consult your Hitachi dealer for details.

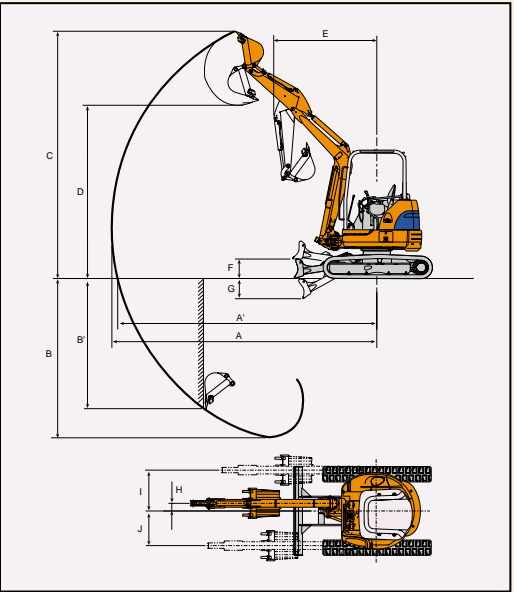
EX50U

Dimensions



A	Distance between tumblers/ground contact length	6' 5"	(1 955 mm)
B	Undercarriage length	8' 0"	(2 445 mm)
C	Counterweight clearance	1' 11.6"	(600 mm)
D	Rear-end length	3' 3"	(1 000 mm)
E	Overall width of superstructure	6' 2"	(1 890 mm)
F	Overall height of 4-pillar canopy/cab	8' 7"/8' 9"	(2 610/2 665 mm)
G	Min. ground clearance	1' 1.2"	(335 mm)
H	Track gauge	5' 3"	(1 600 mm)
I	Track shoe width	1' 4"	(400 mm)
J	Undercarriage width	6' 7"	(2 000 mm)
K	Front-end length	13' 5"	(4 095 mm)
L	Overall length	17' 6"	(5 325 mm)
M	Overall height of boom	5' 9"	(1 760 mm)
N	Blade height	12.8"	(375 mm)
O	Blade distance	5' 4"	(1 620 mm)
P	Blade width	6' 7"	(2 000 mm)
Q	Rear-end swing radius	3' 3"	(1 000 mm)

Working Ranges



A	Max. digging reach	19' 0"	(5 800 mm)
A'	Max. digging reach on ground	18' 7"	(5 670 mm)
B	Max. digging depth	11' 10"	(3 600 mm)
B'	Max. vertical digging depth:	9' 4"	(2 850 mm)
C	Max. digging height: 4-pillar canopy/cab	16' 11"	(5 145 mm)
D	Max. dumping height: 4-pillar canopy/cab	11' 6"	(3 515 mm)
E	Min. swing radius: 4-pillar canopy/cab	8' 9"	(2 655 mm)
F	Max. blade raising height above ground level	1' 5.7"	(450 mm)
G	Max. blade lowering depth below ground level	1' 6.5"	(470 mm)
H	Offset distance	5.9"	(150 mm)
I	Max. right offset: 4-pillar canopy/cab	2' 7"	(800 mm)
J	Max. left offset: 4-pillar canopy/cab	2' 7"	(800 mm)

Boom swing angle (left/right): 60/80 degrees

These specifications are subject to change without notice.

HITACHI

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Hitachi of North America

■ 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.

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 - Kernersville, North Carolina
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 - Saltillo, Mexico