



TATA HITACHI

Reliable solutions

ZAXIS 33U COMPACT & POWER PACKED



Engine Power (Gross) : 22.0 kW (29.9 PS) @2400 rpm | Operating Weight : 3290 kg | Bucket Capacity : ISO Heaped: 0.04 – 0.09 m³



Superior Performance

- World renowned Yanmar engine
- Proven Hitachi hydraulics
- Dual travel speed modes
- Best in class swing speed
- Low noise

COMPACT AND POWERPACKED

The all-new ZAXIS 33U brings together compact design and power packed performance. Built for demanding job sites, it delivers high durability, smooth control and efficient operation for reliable productivity every day.

Easy Maneuverability

- Zero tail swing
- Boom swing feature for tight spaces
- Compact footprint
- Reduced distance between blade and bucket



High Durability

- Sturdy upper structure
- Reinforced boom end bracket with high strength steel
- Box sectioned rigid frame blade
- Reinforced sturdy bucket

Versatile

- Suited for wide range of attachments



Exceptional Comfort

- ROPS, FOPS Canopy
- Canopy fan
- LED lights
- Roof Lamp
- Emergency switch
- Boom light reposition for better visibility
- Comfortable seat
- Multi functional monitor system

Easy to Transport

- Easily transportable on a small carrier/ pick up vehicle



Simplified Maintenance

- Wide opening covers
- Quick cleaning
- Convenient access

Maximum Return on Investment

- High fuel efficiency
- Low operating costs
- High resale value



SPECIFICATIONS

Engine

Model.....	EDM-3TNV88
Make.....	Yanmar
Type.....	4 Cycle water cooled, direct injection
Engine Power (Gross) (ISO14396 : 2002).....	22.0 kW (29.9 PS) @ 2400 rpm
Total displacement.....	1.642 L
Max torque.....	105.5 Nm @ 1000 rpm
Battery.....	1 x 12 V / 55 Ah

Hydraulic System

Hydraulic Pump.....	2 Variable displacement axial piston pumps
Maximum oil flow (Main Pumps).....	2 x 38.4 L/min, 1 x 22.8 L/min
Pilot pump.....	1 Gear pump
Maximum oil flow.....	10.8 L/min

Relief Valve Settings

Implement circuit.....	250 kgf/cm ²
Swing circuit.....	170 kgf/cm ²
Travel circuit.....	250 kgf/cm ²
Pilot circuit.....	40 kgf/cm ²

Digging Forces

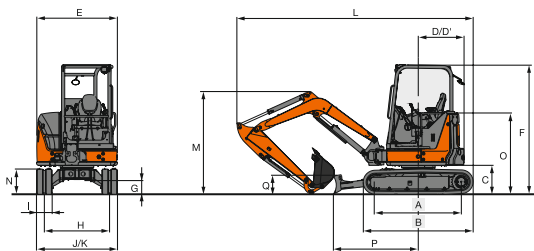
Arm length.....	1.17 m
Bucket Digging Forces (ISO 6015 : 2006).....	2770 kgf
Arm Crowding Forces (ISO 6015 : 2006).....	1720 kgf

Buckets

Capacity	Width		No. of tooth point	Capacity 1.17m arm
	With side cutter	With out side cutter		
*0.09 m ³	545	500	4	A
0.09 m ³	595	550	4	A
0.04 m ³	295	250	2	A

A General purpose B Light Excavation C Loading Work
* Standard bucket

Dimensions



Unit: mm

A Distance between tumblers	1670	J Undercarriage width	1550
B Undercarriage length	2130	K Overall width	1550
C Counterweight clearance	540	L Overall length With 1.17 m arm	4450
D Rear-end swing radius	775	M Overall height of boom With 1.17 m arm	1510
D' Rear-end length	775	N Track height	470
E Overall width of upper structure	1550	O Engine cover-height	1520
F Overall height of cab	2470	P Horizontal distance to blade	1620
G Min. ground clearance	270	Q Blade height	360
H Track gauge	1250		
I Track shoe width	300		

Undercarriage

Travel Speed.....	4.3 - 2.8 kmph
Max Traction force.....	2750 kgf
Gradeability.....	58 % (30°)
No. of upper Roller.....	1 x 2
No. of lower Roller.....	4 x 2
No. of Track shoe.....	44 x 2
Shoe width.....	300 mm

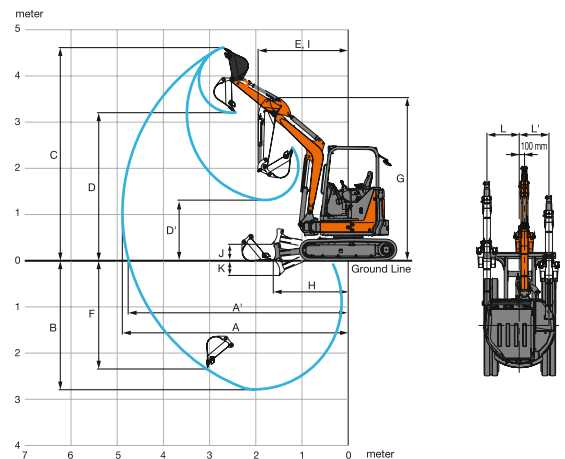
Upper Structure

Swing Speed.....	9.1 rpm
Swing torque.....	5.1 kNm
Boom Swing left.....	72°
Boom Swing Right.....	62°

Service Refill Capacities

Fuel tank.....	42 L
Hydraulic System.....	56 L
Hydraulic oil.....	32 L
Travel device (Each side).....	0.6 L
Engine oil.....	6.7 L
Engine coolant.....	3.4 L

Working Ranges



Unit: mm

	Arm length	1.17 m
A	Max. digging reach	4 890
A'	Max. digging reach (on ground)	4 750
B	Max. digging depth	2 790
C	Max. cutting height	4 620
D	Max. dumping height	3 200
E	Min. swing radius	1 970
F	Max. vertical wall digging depth	2 330
G	Front height at Min. swing radius	3 530
H	Min. level crowding distance	1 610
I	Working radius at Min. swing radius	1 580
J	Blade bottom highest position above ground	360
K	Blade bottom lowest position above ground	320
L/L'	Offset distance	610/735

All dimensions are in mm

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OUR RANGE OF PRODUCTS



Authorised Dealer

These specifications are subject to change without prior notice. The machine depicted may vary from the actual machine. Please contact our nearest office for latest specifications. Accessories shown here are not part of the standard equipment. Performance of the machine may vary with site and operating conditions encountered.