



TATA HITACHI

Reliable solutions

THE MIGHTY MINI

ZAXIS 38U



Engine Power (Gross) : 22.0 kW (29.9 PS) @ 2400 rpm | Operating Weight : 3620 kg | Bucket Capacity : ISO Heaped: 0.04 – 0.11 m³



Superior Performance

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

THE MIGHTY MINI

Experience the perfect blend of power and precision with the all new **ZAXIS 38U**, the cutting-edge mini excavator that delivers unparalleled power with a robust Japanese engine. This machine ensures best-in-class performance and minimal operating costs.

Easy Maneuverability

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



High Production

- Higher digging reaches
- Higher digging depth
- Bigger buckets



Versatile

- Suited for wide range of attachments



Aesthetics and Comfort

- Appealing design
- Comfortable seat
- Easy and smooth operation
- Multi functional monitor system
- Robust built for safety

Easy to Transport

- Easily transportable on a small carrier/ pick up vehicle



Simplified Maintenance

- Wide opening covers
- Quick cleaning
- Convenient access

High Return on Investment

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



SPECIFICATIONS

ENGINE

Model.....Yanmar - 3TNV88
 Type.....4 Cycle water cooled, direct injection
 Engine Power (Gross) (ISO 14396 : 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 Pump2 Variable displacement axial piston pumps
 Maximum oil flow2 x 38.4 L/min, 1 x 22.8 L/min
 Pilot pump.....1 Gear pump
 Maximum oil flow10.8 L/min

RELIEF VALVE SETTINGS

Implement circuit250 kgf/cm²
 Swing circuit.....190 kgf/cm²
 Travel circuit250 kgf/cm²
 Pilot circuit40 kgf/cm²

DIGGING FORCES

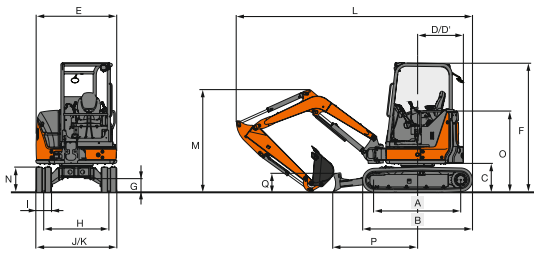
Boom length.....2.47 m
 Arm length1.32 m
 Bucket Digging Forces (ISO 6015 : 2006).....2770 kgf
 Arm Crowding Forces (ISO 6015 : 2006).....1937 kgf

BUCKETS (ISO 7451 : 2007 heaped)

Capacity	Width		No. of tooth point	Capacity 1.32m arm
	With side cutter	With out side cutter		
*0.11 m ³	642	621	4	A
0.04 m ³	293	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	1740
B Undercarriage length	2130	K Overall width	1740
C Counterweight clearance	540	L Overall length	4640
D Rear-end swing radius	870	M Overall height of boom With 1.32 m arm	1530
D' Rear-end length	870	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	1440		
I Track shoe width	300		

UNDERCARRIAGE

Travel Speed4.3 - 2.8 kmph
 Max Traction force2750 kgf
 Gradeability58 % (30°)
 No. of upper Roller1 X 2
 No. of lower Roller.....4 X 2
 No. of Track shoe.....44 X 2
 Shoe width.....300 mm

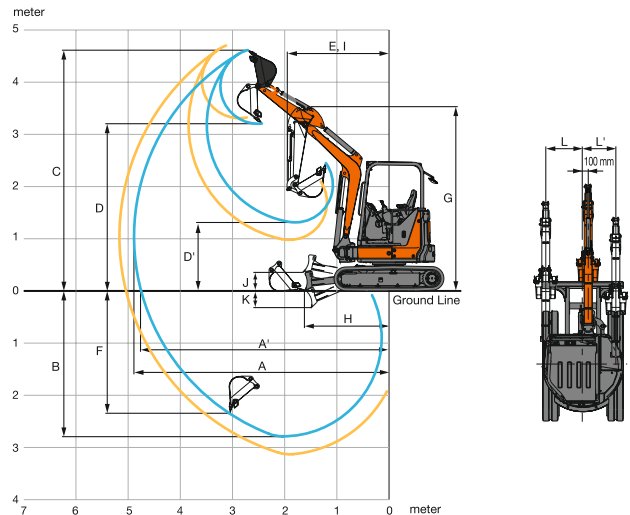
UPPER STRUCTURE

Swing Speed9.1 rpm
 Swing torque6.0 kNm
 Boom Swing left.....72°
 Boom Swing Right.....62°

SERVICE REFILL CAPACITIES

Fuel tank42 L
 Hydraulic System.....56 L
 Hydraulic oil32 L
 Travel device (Each side)0.6 L
 Engine oil7.2 L
 Engine coolant3.9 L

WORKING RANGES



Unit: mm		1.32 m
Arm length		1.32 m
A	Max. digging reach	5210
A'	Max. digging reach (on ground)	5080
B	Max. digging depth	3060
C	Max. cutting height	4870
D	Max. dumping height	3460
E	Min. swing radius	2070
F	Max. vertical wall digging depth	2580
G	Front height at Min. swing radius	3720
H	Min. level crowding distance	1610
I	Working radius at Min. swing radius	1670
J	Blade bottom highest position above ground	360
K	Blade bottom lowest position above ground	400
L/L'	Offset distance	610/735

All dimensions are in mm

Tata Hitachi Construction Machinery Company Private Limited

Registered Office: Jubilee Building, 45 Museum Road, Bangalore, India 560025
 Telephone: +9180 66953301 / 02 / 03 / 04 / 05 | Email: info@tatahitachi.co.in



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.