



**CHALO
DESH
BANAYE**

TATA HITACHI

COMPACT AND POWERPACKED



ZAXIS33U

Engine power : 28.8 PS @ 2200 rpm | Operating Weight : 3270 - 3650 kg | Bucket Capacity : 0.04 - 0.09 m³

COMPACT & POWER PACKED



SUPERIOR PERFORMANCE

- Excellent control with best-in-class swing speed for faster operations
- Hitachi's pilot controlled hydraulic system ensures effortless handling of pilot lever
- Zero tail swing and boom swing enables this compact excavator to work alongside walls
- Special cooling system to keep engine & hydraulics cool

• Greater Stability

• Air Pre Cleaner

• Strengthened Front Attachments

• Higher Digging Forces

• ROPS / TOPS Canopy

• Mechanical Governor (Minimal Electronics)

• Easy to Maintain



HIGH DURABILITY

- Sturdy upper structure – reinforced with proven D-section skirts
- Reinforced boom end bracket with high strength steel
- Single swing post pin assures minimum backlash and improves performance



• Box-sectioned rigid frame blade

• Reinforced sturdy bucket – longer life

OPERATOR COMFORT & SAFETY

- Spacious canopy with ample leg room for maximum comfort
- Ergonomically designed console, seat, large anti-vibration mounts to maximize comfort
- Protects operator in case of roll over or trip over accidents as ZX33U conforms with ROPS/TOPS standards



- Lowering Lock lever is compulsory for engine start function

SIMPLIFIED MAINTENANCE

- Dust proof indoor net, parallel ROC-Easy to clean
- Wide opening covers with grouped inspection points - Easy to access
- Longer greasing intervals with HN bushes - Reduced maintenance cost
- Slide open engine cover provides easy access to service in tight spaces.



- Air pre-cleaner ensures longer life of filters and reduces maintenance cost

Engine

Model.....EDM-3TNV88
 MakeYanmar
 Type.....4 Cycle water cooled, direct injection
 Engine Power (Net)28.8 PS @ 2200 rpm
 Total displacement1.642 L
 Max torque105.5 Nm @ 1000 rpm
 Battery1 × 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 pump1 Gear pump
 Maximum oil flow10.8 L/min

Relief Valve Settings

Implement circuit.....250 kgf/cm²
 Swing circuit170 kgf/cm²
 Travel circuit250 kgf/cm²
 Pilot circuit40 kgf/cm²

Digging Forces

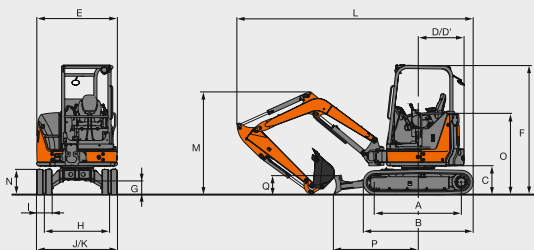
Arm length1.17 m 1.52 m
 Bucket Digging Forces (ISO)2770 kgf 2770 kgf
 Arm Crowding Forces (ISO).....1720 kgf 1499 kgf

Buckets

Capacity	Width		No. of tooth point	Capacity	
	With side cutter	With out side cutter		1.17m arm	1.52m arm
*0.09 m ³	543	500	4	A	A
0.04 m ³	293	250	2	A	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 Speed4.3 - 2.8 kmph
 Max Traction force.....2750 kgf
 Gradeability.....58 % (30°)
 No. of upper Roller1
 No. of lower Roller4
 No. of Track shoe.....2
 Shoe width.....300 mm

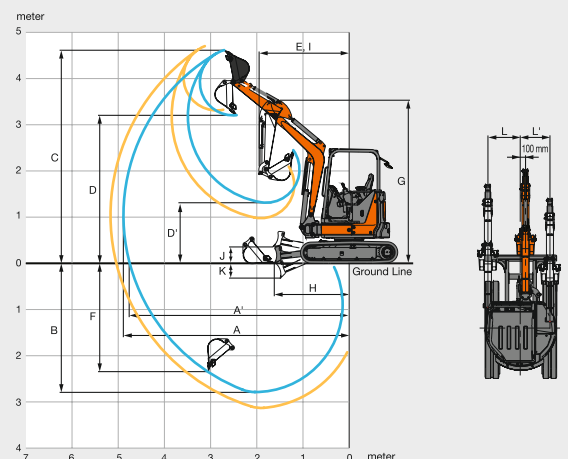
Upper Structure

Swing Speed9.1 rpm
 Swing torque.....5.1 kNm
 Boom Swing left.....72°
 Boom Swing Right62°

Service Refill Capacities

Fuel tank42 L
 Hydraulic System56 L
 Hydraulic oil32 L
 Travel device (Each side).....0.6 L
 Engine oil7.2 L
 Engine coolant3.9 L

Working Ranges



Unit: mm

Arm length

1.17 m 1.52 m

A Max. digging reach	4 890	5 170
A' Max. digging reach on ground	4 750	5 040
B Max. digging depth	2 790	3 130
C Max. cutting height	4 620	4 470
D Max. dumping height	3 200	3 310
E Min. swing radius	1 970	2 090
F Max. vertical wall digging depth	2 330	2 530
G Front height at Min. swing radius	3 530	3 560
H Min. level crowding distance	1 610	1 480
I Working radius at Min. swing radius	1 580	1 860
J Blade bottom highest position above ground	360	360
K Blade bottom lowest position above ground	320	320
L/L' Offset distance	610 / 735	610 / 735

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