



**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 m<sup>3</sup>



# 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

• Easy to Maintain

• ROPS / TOPS Canopy

• Mechanical Governor (Minimal Electronics)



## 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  
 Make .....Yanmar  
 Type.....4 Cycle water cooled, direct injection  
 Engine Power (Net) .....28.8 PS @ 2200 rpm  
 Total displacement .....1.642 L  
 Max torque .....105.5 Nm @ 1000 rpm  
 Battery .....1 × 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<sup>2</sup>  
 Swing circuit .....170 kgf/cm<sup>2</sup>  
 Travel circuit .....250 kgf/cm<sup>2</sup>  
 Pilot circuit .....40 kgf/cm<sup>2</sup>

## Digging Forces

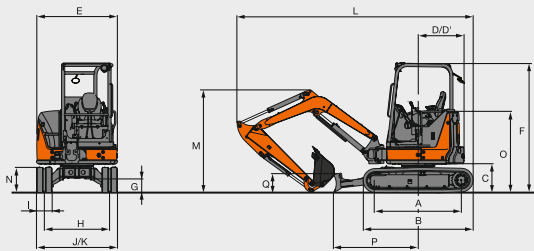
Arm length .....1.17 m      1.52 m  
 Bucket Digging Forces (ISO) .....2770 kgf      2770 kgf  
 Arm Crowding Forces (ISO).....1720 kgf      1499 kgf

## Buckets

Capacity	Width		No. of tooth point	Capacity	
	With side cutter	With out side cutter		1.17m arm	1.52m arm
*0.09 m <sup>3</sup>	543	500	4	A	A
0.04 m <sup>3</sup>	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 Speed .....4.3 - 2.8 kmph  
 Max Traction force.....2750 kgf  
 Gradeability.....58 % (30°)  
 No. of upper Roller .....1  
 No. of lower Roller .....4  
 No. of Track shoe.....2  
 Shoe width.....300 mm

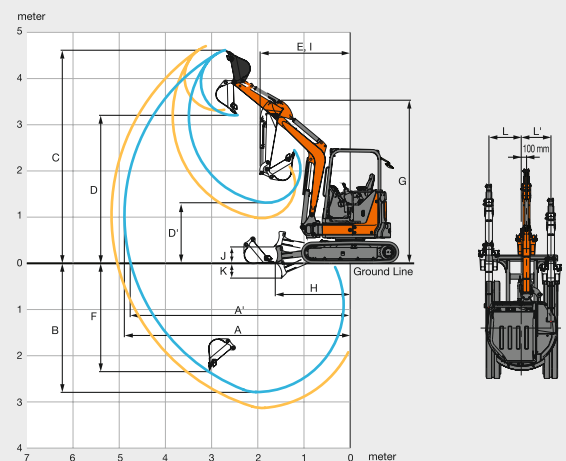
## Upper Structure

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 .....7.2 L  
 Engine coolant .....3.9 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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