

# **ZAXIS 33U** **COMPACT & POWER PACKED**



# ZAXIS 33U

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.

## Superior Performance

Powered by a reliable Yanmar engine and proven Hitachi hydraulics, the ZAXIS 33U delivers strong and consistent performance.



Optimized bucket capacity and faster cycle times ensure higher productivity across a wide range of applications.

Designed to handle demanding tasks with ease, ZAXIS 33U ensures smooth operation and dependable output in every cycle.



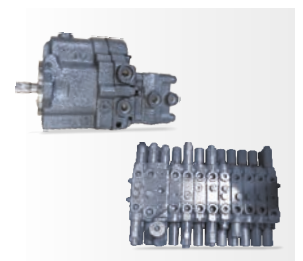
## High Durability



A robust upper structure combined with reinforced components ensure superior durability on site.



The reliable control valve and pump support consistent hydraulic performance over extended usage



This durable design helps reduce wear and supports dependable performance in demanding working conditions.





## Superior Performance

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



## High Durability

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



## Simplified Maintenance

- Wide opening covers
- Quick cleaning
- Convenient access



## Easy Maneuverability

- Zero tail swing
- Boom swing feature for operations in tight spaces
- Compact footprint



## Exceptional Comfort

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



## Versatile

- Suited for wide range of attachments



## Easy to Transport

- Easily transportable on a small carrier/ pick up vehicle



## Maximum Return on Investment

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

## Exceptional Comfort

Designed with the operator in mind, the workstation offers a safe and comfortable working environment with FOPS & TOPS compliant canopy.



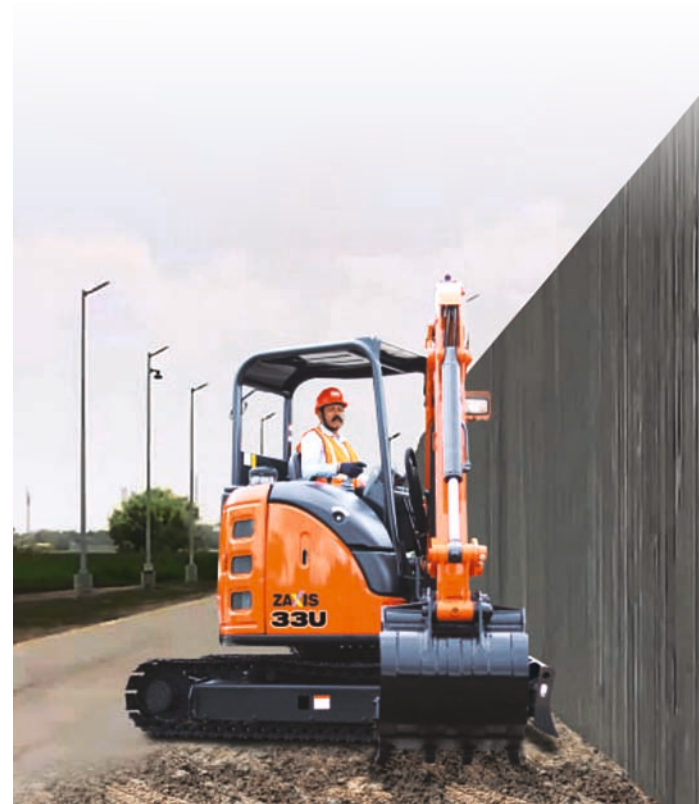
Thoughtfully integrated features like a comfortable seat, canopy fan, and multi-functional monitor enhance ease of operation.



LED lights and the roof lamp ensure better visibility in low-light working conditions, while safety features such as the emergency cutoff switch support confident operation.



## Ease of Operation



ZAXIS 33U offers excellent versatility across a wide range of applications.

Zero tail swing design, boom swing functionality, and a compact footprint enable efficient operation in tight and confined spaces.



Easy to transport and quick to deploy, ZAXIS 33U ensures convenience and productivity across multiple job sites.

## Maximum Return on Investment



High fuel efficiency helps reduce operating costs and improve overall profitability.

Low maintenance requirements and easy service access minimize downtime and keep the machine running efficiently.

Strong resale value ensures better returns, making ZAXIS 33U a smart long-term investment.

**HYDRAULIC OIL CHANGE INTERVAL 3000 HOURS**

## Assured Support & Easy Maintenance

A strong dealer network, supported by Field Diagnostic Vehicles and mobile workshops, ensures timely assistance and reliable service support.



Mobile Workshop



Field Diagnostic Vehicle

Quick response and on-site solutions help minimize downtime and keep operations running smoothly.

Wide opening covers, easy access points, and quick cleaning features simplify maintenance and enhance overall convenience.



## SPECIFICATIONS

### Engine

|                                              |                                        |
|----------------------------------------------|----------------------------------------|
| Model .....                                  | Yanmar 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, 1 gear pump |
| 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   |
| Boom length .....                             | 2.28 m   |
| Bucket Digging Forces (ISO 6015 : 2006) ..... | 2770 kgf |
| Arm Crowding Forces (ISO 6015 : 2006) .....   | 1720 kgf |

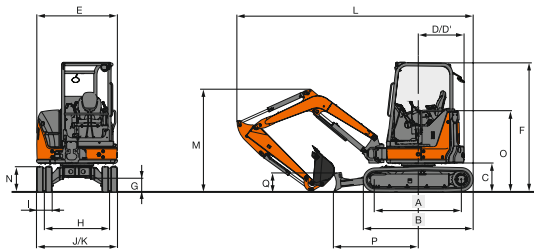
### Buckets

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

A General purpose

\* 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         |

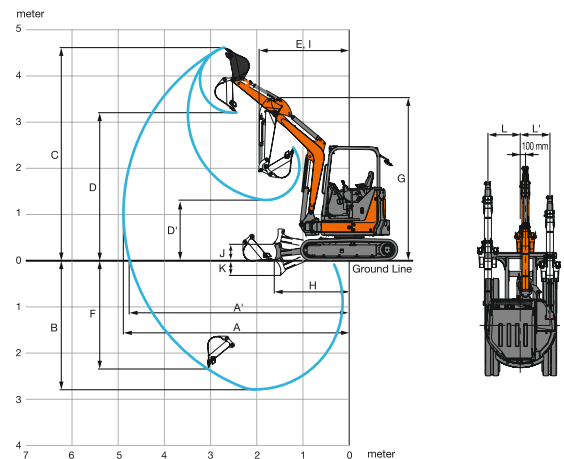
### Upper Structure

|                       |         |
|-----------------------|---------|
| 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.