



TATA HITACHI

ZAXIS series
Ultra Short Tail Swing Machine

Reliable solutions

THE COMPACT POWERHOUSE

ZAXIS 23U
HYDRAULIC EXCAVATOR



Model : ZX23U | Engine Rated Power : 13.0 kW (17.7 PS) | Operating Weight : 2356 kg | Bucket Capacity : 0.07 m³

ZAXIS 23U *THE COMPACT POWERHOUSE*

The new ZAXIS mini excavator design has evolved over time in keeping with changing customer expectations. The machine is a pleasure to operate and delivers superior performance. The new ZAXIS 23U is a one stop solution for construction, infrastructure, agriculture and utility equipment needs of customers.

The machine is built to deliver high performance, high operator comfort and safety, and is easy to maintain. The engine and the hydraulic system efficiencies have been improved, emphasizing Tata Hitachi's focus on people, environment, machinery and workability.

The operating space has been carefully designed for operator comfort and safety. While the fully functional wide open covers look aesthetic, on opening, they present a clear access to the wide maintenance area for improved serviceability.

Empower your Vision.

ZAXIS series has been developed with cutting edge technology for delivering superior performance, comfort and safety.

The New ZAXIS 23U
always reliable!

High Comfort

Ergonomics and safety

High Performance

Excellent workability

Easy Maintenance

User-friendly mini excavator



Comfort and High Performance

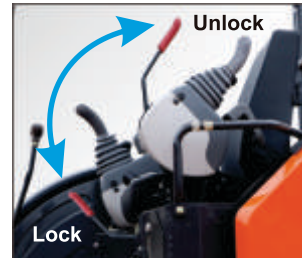
ZAXIS23U, though a compact excavator, provides great ease of operations. The operational efficiency of the machine has been enhanced by using Hitachi's high-performance Hydraulic (HHH) pilot levers which do multiple operations. This machine is extremely versatile and meets the needs of different sites.

Wrist Rest for Operator Comfort



Lock lever compulsory for engine start function

A safety mechanism is provided in which, unless the lever is in the lock position, the engine will not start.



Advanced pilot-type levers, performing multiple operations

Hitachi's well known hydraulic pilot levers can be used for multiple operations such as front movement, boom swing, turning, traveling and dozer blade. The levers are placed ergonomically, thereby making the machine operator-friendly. It also aims to reduce operator fatigue.

Convenient pedal for shifting to second speed.

Travel speed can be shifted easily using the comfortably positioned pedal on the left side.



Foot rest for operator comfort.

Foldable travel foot pedals have been provided for ergonomic operations and to maximize speed.

Ease of Transportation

Easy to transport on a small carrier pick up vehicle.



Display monitor



Compact machine with a large working range

Digging Height
4,080 mm

Dump Height
2,000 mm

Digging Reach
4,190 mm

Digging Depth
2,330 mm

Total Width
1,450 mm

Total Height
2,410 mm

Tail Radius
725 mm



Two canopy lights for better view and performance.



Water resistant seat for operator convenience and all weather performance.



Convenient foot step for climbing



OPG (Top guard) Four Pillar Canopy- ROPS/TOPS/OPG Level 1 For Operator Safety



Large roof with rainwater groove

Easy Maintenance

Easy servicing

The wide opening covers provided in the machine helps make daily inspection and filter change easy. The machine maintenance time will reduce drastically with improved accessibility to major parts.

Vertical sliding engine cover

A vertical sliding engine cover has been used. This cover protrudes less from the rear, thereby making the machine easy-to-use in narrow spaces and is maintenance-friendly.

Wide refueling port for easy refueling

The wide refueling port of top class quality has been used for speedy and easy refueling.



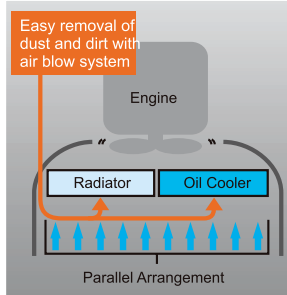
Water separator

Engine oil filter

Coolant reserve tank

Engine oil refueling port

Coolant reserve tank



Parallel radiator for enhanced cooling and easy cleaning

A top class radiator and oil cooler is arranged in parallel to promote easy and efficient cleaning. Moreover, bigger vents on the radiator cover have improved the cooling function too.

Battery

Wide open side covers

Indoor stand by power 12V (option)



Hydraulic Pump

Pilot Filter

100% Pilot Operated

Pilot levers are used for precise control of machine.



Easy maintenance from engine top

Maintenance of the engine can be carried out easily by just lifting the seat and floor plate.



Control Valve

Quality and Durability

Stringent quality management system and excellent durability :
Quality is built into the machine which in turn ensures years of trouble-free ownership.
The machine has been vigorously tested under multiple tough conditions for establishing higher reliability.



Hydraulic hose guard
Bucket cylinder hoses are placed inside the arm thereby protecting the hoses



Reinforced Boom



Reinforced boom and bracket



Compact boom lamp under the boom



Boom cylinder cover



Hose Protector

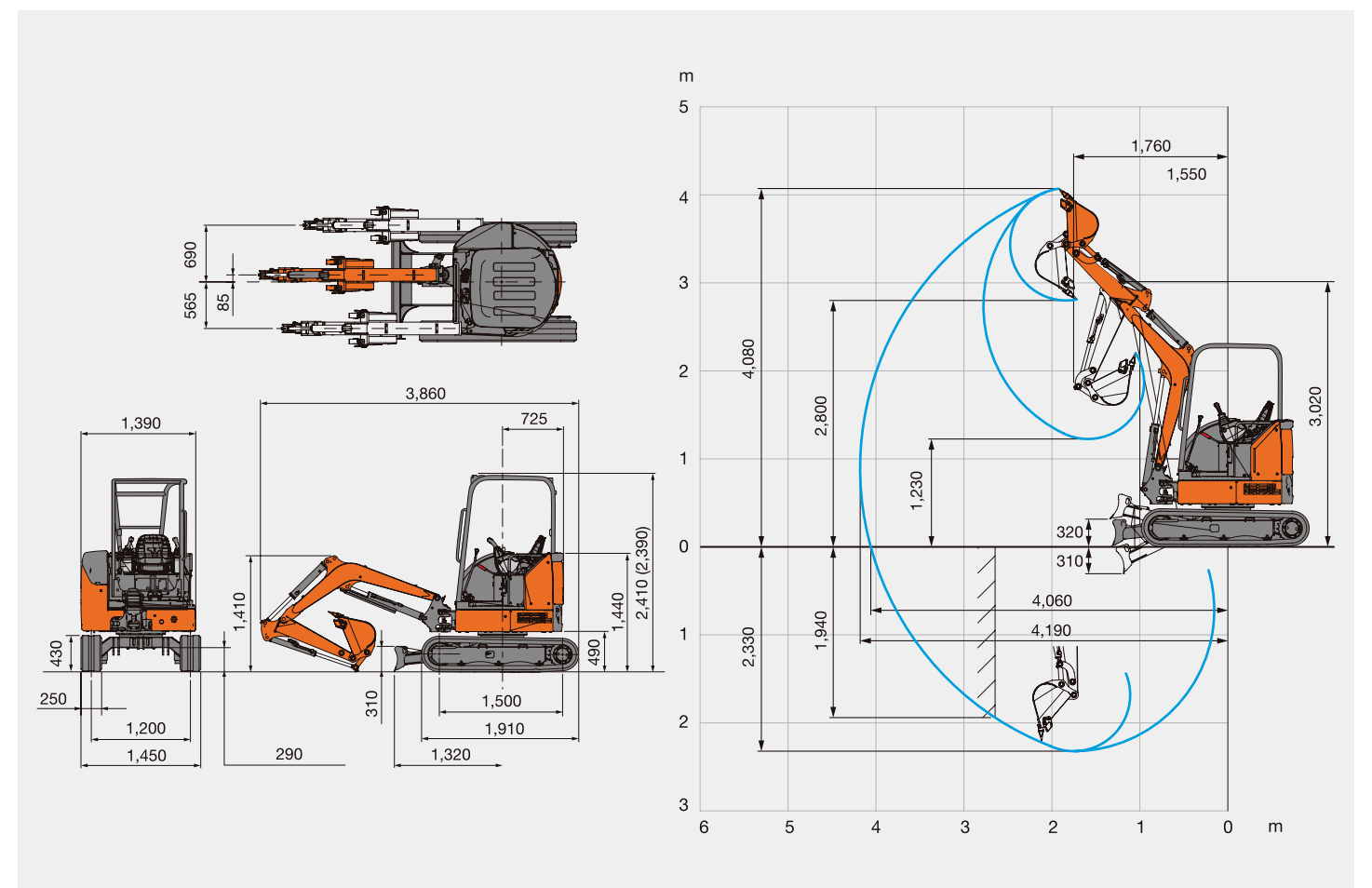
ZAXIS 23U is suitable for a variety of applications such as civic utilities, agriculture, plantations, real estate and water body cleaning amongst others.



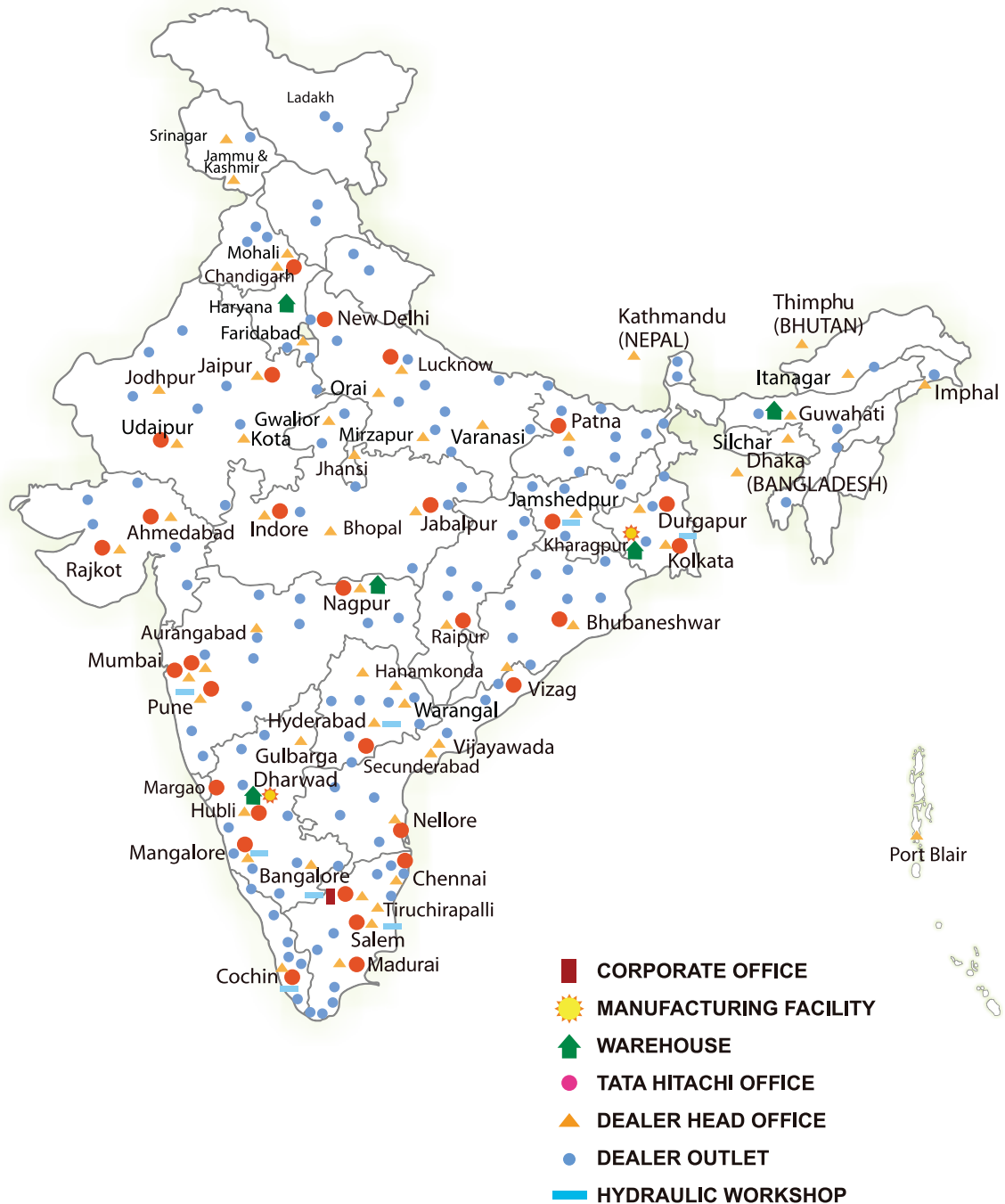
SPECIFICATIONS

Model		ZX23U
		Four-Post Canopy
Operating Weight	Kg	2356
Machine Body Weight	Kg	1460
Standard Bucket	M3	0.07
Performance		
Turning Speed	Min-1 (rpm)	2.6 - 4.4
Driving Speed	Km/h	4.4 / 2.6
Grade-ability	%	47% (25°)
Maximum cutting force	kN (kgf)	18.6 (1900)
Engine		
Model		3TNV76
Make		Yanmar
Type		4 Cycle, water cooled, 3 cylinder swirl-chamber type
Rated Power	W/min-1 (PS/rpm)	13.0 / 2200 (17.7/2200)
Displacement	CC	1115
Hydraulic System		
Hydraulic Pump		2 Variable displacement axial piston pumps, 1 gear pump (for operation)
Main Relief Valve implement circuit	Mpa (kgf/cm2)	20.6 (210)
Swing Motor		Fixed displacement axial piston motor
Travel Motor		Variable displacement axial piston motor
Front		
Boom Swing Angle	Degree	Left 70° / Right 60°
Undercarriage		
Standard Shoe width	mm	250
Crawler total width and blade width	mm	1450
Oil Capacities		
Fuel Tank	L	34
Hydraulic Oil Tank	L	19.0
Hydraulic System	L	30.0

■ Dimensions / Working Ranges



Our Network



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Authorised Dealership

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.