

Specification datasheet

Tailless mini excavator

Yanmar engine

Rated power: 19.6 kW / 20.5 kW

Bucket: 0.09 m³

Operating weight: 3375 / 3515 Kg

Description

ZENVAN 5 series mini tailless excavator are fully integrated with World TOP brand key components, Yanmar engine, Japan Nachi main pump, Nachi Rotary motor.

Features

Powerful Engine - Yanmar 3TNV88 engine meet Tier 3 emission standard, powerful, Energy saving and environmental protection, High reliability and excellent performance.

More efficient - Tail turning radius adopts a tailless design to ensure that there is no need to worry about encountering obstacles when working in narrow working conditions. The working device can be deflected and can be rotated to realize compound operation.

Protection board - Prevent scratches and breakage of various parts. Oil cylinder guard plate and bottom protection device. Main structure parts were made of high strength cast steel.



More reliable and durable - Cab adopts four-point support that meets safety standards, which enhances the operator's vision while ensuring strength, and the seat belt improves safety.

TOP brand components- The key hydraulic parts adopt the latest technological achievements, with low energy consumption, fast response speed and precise control, which can maintain strong digging capacity and excellent working efficiency. The power of the engine and the hydraulic system are perfectly matched to ensure that the engine works in the best fuel consumption area, improve the fuel utilization rate and save the use cost.

Warranty and service - Backed by a comprehensive warranty, service extended warranty period.

QUICK VIEW

Model	Engine brand (std)	Engine model	Emission	Power (HP)	Std operating weight (Kg)	Std bucket capacity (m ³)
Z533-5	Yanmar	3TNV88-BSSY	Tier 3	26.6	3375	0.09
Z535-5	Yanmar	3TNV88-BSSY	Tier 3	27.9	3515	0.09
Main pump	Japan Nachi	Rotary motor	Japan Nachi	Main valve	Italy	Walking motor Japan / Korea

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Outline dimension			
Model	Unit	Z533-5	Z535-5
Operating weight	kg (lb)	3375 (7440)	3515 (7750)
Std bucket	m ³ (ft ³)	0.09 (3.178)	0.09 (3.178)
Std cabin		Canopy	Cabin with A/C

Engine		Std	
	Unit	3TNV88-BSSY	
Manufacturer		YANMAR	
Emission std		Tier 3	
Aspiration		Naturally aspirated	
Displacement	L (cu.in)	1.642 (100.2)	
No. of cylinders		3	
Bore x Stroke	mm (in)	88.0 x 90.0 (3.46 x 3.54)	
<i>Power ratings</i>			
Gross	HP (kW)	26.6 (19.6)	27.9 (20.5)
Fuel injection pump		In-line pump	
Engine form		Vertical, water cooled 4-cycle diesel engine	
Fuel type		Diesel	

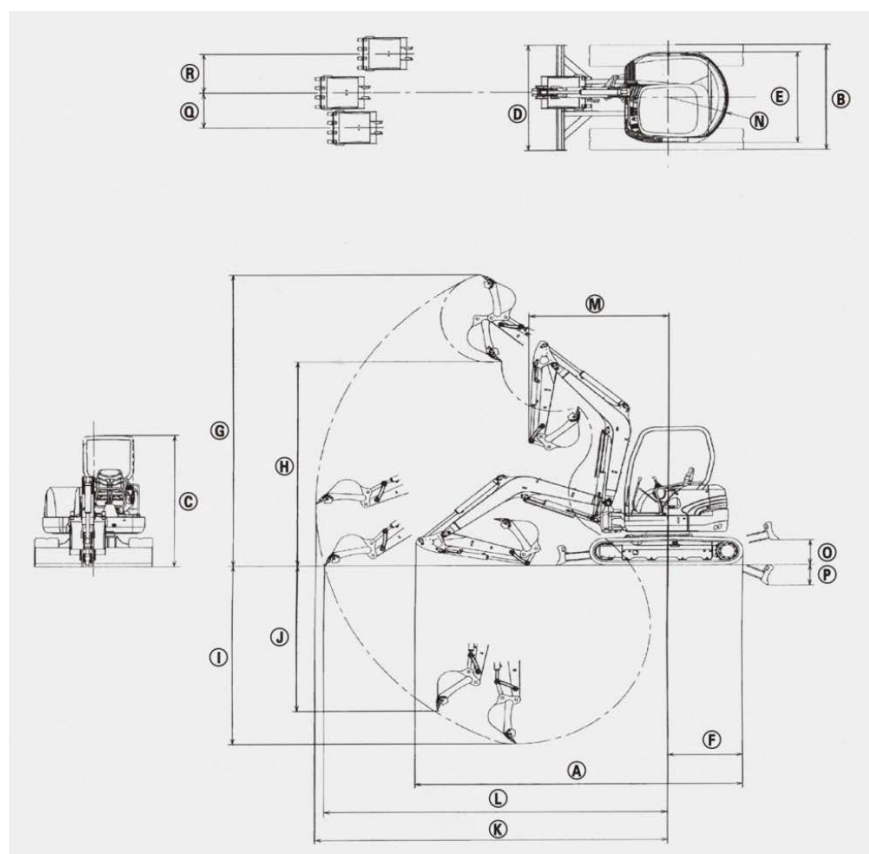
Main performance			
Walking speed	km/h	3.0 / 4.2	3.0 / 4.2
Rotary speed	r/min	8.5	8.5
Climbing ability	% (°)	58 (30)	58 (30)
Ground pressure	kPa	28.4	28.0
Bucket digging force	kN	26.5	26.5
Arm digging force	kN	19.6	19.6
Max. traction force	kN	29.6	29.6
Boom swing angel	°	75 / 55	75 / 55
Fuel tank capacity	L (gal)	40 (10.57)	40 (10.57)

Working scope		unit	standard
Max. digging height	G	mm	4600
Max. dumping height	H	mm	3175
Max. digging depth	I	mm	2880
Max. vertical digging depth	J	mm	2305
Max. digging distance	K	mm	4965
Max. excavation ground distance	L	mm	4845
Max. turning radius (front end)	M	mm	2035
Max. turning radius (rear end)	N	mm	790
Max. dozer lifting soil height	O	mm	360
Max. dozer digging depth	P	mm	340
Bucket horizontal left shift distance	Q	mm	635
Bucket horizontal right shift distance	R	mm	600

Outline dimension		unit	standard
Total length (delivery)	A	mm	4485
Total width	B	mm	1550
Total height (delivery)	C	mm	2440
Dozer width	D	mm	1550
Dozer height		mm	335
Track center distance	E	mm	1250
Distance from rotary center to rear end	F	mm	1030
Std track shoes width		mm	300
Min. ground clearance		mm	290
Std bucket width (with / without side tooth)		mm	520 / 470
Track length		mm	2100
Tread		mm	1665



Structure and specification are subject to change without notice. In case there is any difference between the description of the machine and the substantial machine, the substantial machine should govern.



Dimension diagram

unit

A	mm	4485
B	mm	1550
C	mm	2440
D	mm	1550
E	mm	1250
F	mm	1030
G	mm	4600
H	mm	3175
I	mm	2880
J	mm	2305
K	mm	4965
L	mm	4845
M	mm	2035
N	mm	790
O	mm	360
P	mm	340
Q	mm	635
R	mm	600

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