

## Specification datasheet

# Tailless mini excavator

## Kubota engine

Rated power: 11.8 kW / 16.0 HP  
Bucket: 0.04 m<sup>3</sup>  
Operating weight: 1760 / 1920 Kg

## Description

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

## Features

**Powerful Engine** - Kubota D902 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.

**Telescopic chassis** - Chassis has a telescopic function to improve passing capacity.



**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 <sup>3</sup> )	Track telescopic (mm)
Z518-5	Kubota	D902	Tier 3	16	1760	0.04	990 - 1240
Z520-5	Kubota	D902	Tier 3	16	1920	0.04	990 - 1240
<b>Main pump</b>	Japan Nachi	<b>Rotary motor</b>	USA EATON	<b>Main valve</b>	Italy	<b>Walking motor</b>	Japan / Korea

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Outline dimension			
Model	Unit	Z518-5	Z520-5
Operating weight (canopy / cabin)	kg (lb)	1760 (3880) / 1830 (4034)	1920 (4233) / 1990 (4387)
Std bucket	m <sup>3</sup> (ft <sup>3</sup> )	0.04 (1.413)	0.04 (1.413)

Engine		Std
	Unit	D902-E4B-CBH-1
Manufacturer		KUBOTA
Emission std		Tier 3
Aspiration		Naturally aspirated
Displacement	L (cu.in)	0.898 (54.80)
No. of cylinders		3
Bore x Stroke	mm (in)	72.0 x 73.6 (2.83 x 2.90)
<b>Power ratings</b>		
Gross	HP (kW)	16 (11.8)
Fuel injection pump		In-line pump
Engine form		Vertical, water cooled 4-cycle diesel engine
Fuel type		Diesel

Main performance			
Walking speed	km/h	2.0 / 3.5	2.0 / 3.5
Rotary speed	r/min	8.2	7.5
Climbing ability	% (°)	58 (30)	58 (30)
Ground pressure	kPa	25	25
Bucket digging force	kN	15.2	15.2
Arm digging force	kN	10	10
Max. traction force	kN	15.6	15.6
Boom swing angel	°	65 / 38	65 / 38
Fuel tank capacity	L (gal)	18 (4.76)	18 (4.76)

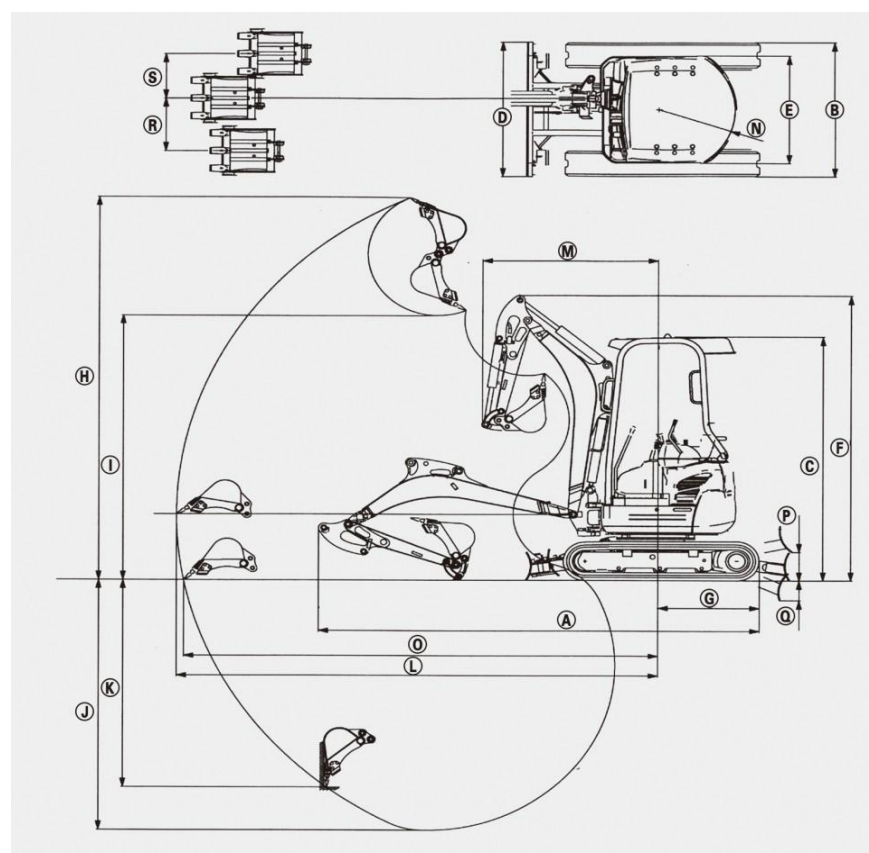
Working scope		standard	standard
Max. digging height	H	3540 mm	3540 mm
Max. dumping height	I	2440 mm	2440 mm
Max. digging depth	J	2310 mm	2310 mm
Max. vertical digging depth	K	1910 mm	1910 mm
Max. digging distance	L	3900 mm	3900 mm
Max. turning radius (front end)	M	1430 mm	1430 mm
Max. turning radius (rear end)	N	620 mm	620 mm
Max. excavation ground distance	O	3840 mm	3840 mm
Max. dozer lifting soil height	P	245 mm	245 mm
Max. dozer digging depth	Q	200 mm	200 mm
Bucket horizontal left shift distance	R	485 mm	485 mm
Bucket horizontal right shift distance	S	410 mm	410 mm

Outline dimension		unit	standard
Total length (delivery)	A	mm	3570
Total width (delivery / working)	B	mm	990 / 1240
Total height (delivery)	C	mm	2250
Dozer width (retract / extend)	D	mm	990 / 1240
Dozer height		mm	268
Track center distance	E	mm	760 / 1010
Max. boom height	F	mm	2630
Distance from rotary center to rear end	G	mm	815
Std track shoes width		mm	230
Min. ground clearance		mm	145
Std bucket width (with / without side tooth)		mm	450 (400)
Track length		mm	1585
Tread		mm	1230





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	standard
A	mm	3570
B	mm	990 / 1240
C	mm	2250
D	mm	990 / 1240
E	mm	760 / 1010
F	mm	2630
G	mm	815
H	mm	3540
I	mm	2440
J	mm	2310
K	mm	1910
L	mm	3900
M	mm	1430
N	mm	620
O	mm	3840
P	mm	245
Q	mm	200
R	mm	485
S	mm	410

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