



Qingdao Zongjin Engineering Machinery Co.,Ltd.
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WE80 Hydraulic Crawler Excavator



Technical Specification

Engine		Travel System	
Model	Yanmar 4TNV98T	Travel motors	Eaton
Type	Turbo charged, 4 stroke, water cooled, natural intake	Support roller quantities	2×6
		Carrier roller quantities	2×1
No. of cylinder	4	Travel shoes	2X39
Bore and stroke	98X110(mm)	Travel speed	3.6/5.3(km/h)



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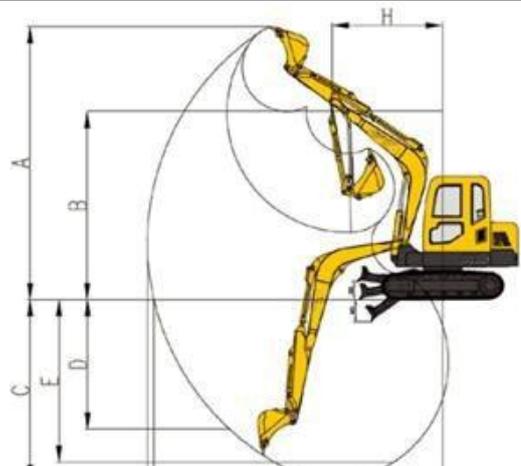
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Displacement	3.319L	Drawbar pulling force	63.5kN
Power output	54.3kw/2100rpm	Gradeability	70%(30°)
Max. torque	277~304N.m/1650±100 rpm	Track shoes thickness	8.5mm
Hydraulic System		Cab & Electrical System	
Pump	KPM	Cab	installed with silicon oil rubber, adjustable luxurious seat, cold and warm air-conditioning system plus flexible pilot control system
Type	Variable double-piston pump		
Max. discharge flow	2x79.2 (L/min)		
Max. discharge pressure			
Boom, arm and bucket	27.5 MPa	Voltage	12V
Travel circuit	23.5 MPa	Batteries	1x12V
Swing circuit	23.5 MPa	Battery capacity	120Ah
Control circuit	3.9 MPa	Boom, Arm & Bucket	
Pilot control pump	Gear type	Boom cylinder	Φ110xΦ65xS1000-L1480
Main control valves	KYB, Japan	Arm cylinder	Φ100xΦ65xS870-L1335
Oil cooler	Air cooled type	Bucket cylinder	Φ55xΦ90xS710-L1115
Swing System		Refilling Capacity & lubrication	
Swing motor	KYB	Fuel tank	125 L
Swing motor type	Axial-piston motor	Cooling system	18 L
Brake	Hydraulic oil released	Engine oil	10.5 L
Parking brake	Hydraulic disc brake	Hydraulic oil tank	92 L Tank Oil Level
Swing speed	11 r/min		128 L Hydraulic System
Bucket			
Type		Backhoe bucket	
Bucket capacity		0.34m ³ (SAE)	
Bucket Capacity scope		0.105-0.51m ³	
Number of bucket teeth		5	
Bucket width		824 mm	
Working Ranges			
Boom length		3905mm	
A	Max. digging height	7280mm	
B	Max. dumping height	4970mm	
C	Max. digging depth	4265mm	
D	Max. vertical digging depth	3200mm	
F	Max. digging distance	6800mm	
G	Max. digging reach at ground level	6665mm	
H	Min swing radius of work equipment	2160mm	
Digging Force (ISO6015)			





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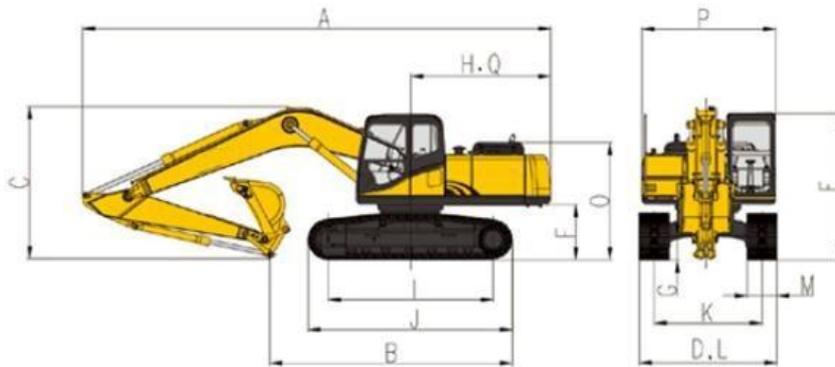
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Arm length		1750mm
A	Bucket digging force	60.8 KN
B	Arm digging force	47.1 KN

Overall Dimensions

A	Overall length	6470mm	I	Track grounding length	2200mm
B	Ground contact length	3400mm	J	Track length	2785mm
C	Overall height(to top of boom)	2545mm	K	Track gauge	1800mm
D	Overall width	2250mm	L	Track width	2250mm
E	Overall height(to top of cab)	2600mm	M	Track Shoe width	450mm
F	Counter weight ground clearance	820mm	O	Counter weight height	1785mm
G	Min Ground clearance	403mm	P	Revolving frame width	2195mm
H	Tail swing radius	1870mm	Q	Distance from swing center to tail	1870mm



This picture just for reference, please according to real machine

Operating Weight and Ground Pressure

Operating weight includes basic machine;

Operating weight	8080 Kg
Ground pressure	39 KPa