





# CT80-9 Hydraulic Crawler Excavator




## Description

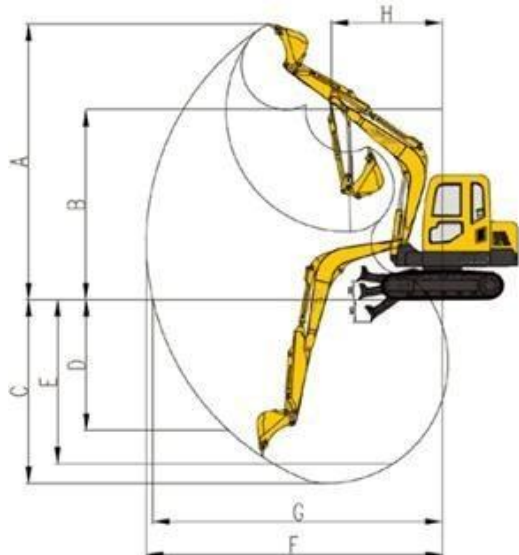
CT80-9 (Yanmar Engine) Photo



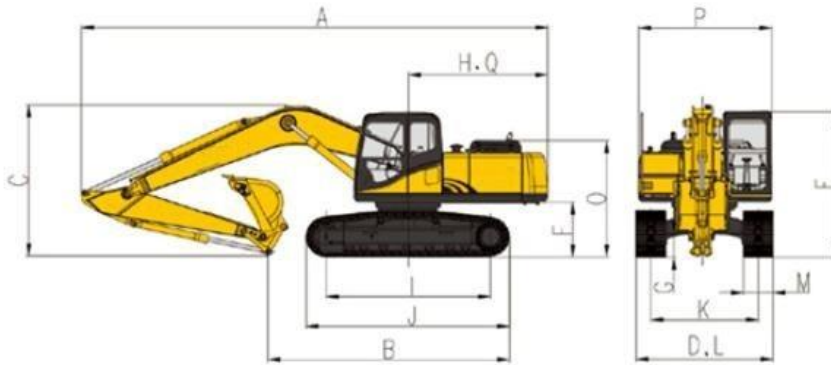
## Technical Specification

 <b>Engine</b>		 <b>Travel System</b>	
Model	Yanmar 4TNV98T	Travel motors	Eaton
Type	turbocharged; 4 stroke, direct injection, water cooled	Support roller quantities	2×6
No. of cylinder	4	Carrier roller quantities	2×1
Bore and stroke	98X110(mm)	Travel shoes	2X39
Displacement	3.319L;	Travel speed	3.6/5.3(km/h)
Power output	54.3kw/2200rpm	Drawbar pulling force	63.5kN
Max. torque	277~301N.m/1650±100 rpm	Gradeability	70%(35°)
		Track shoes thickness	8.5mm
 <b>Hydraulic System</b>		 <b>Cab &amp; Electrical System</b>	

Pump	KPM	Cab	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)				
<b>Max. discharge pressure</b>					
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	<b>Boom, Arm &amp; Bucket</b>			
Pilot control pump	Gear type	Boom cylinder	Φ110xΦ75xS1000-L1480		
Main control valves	KYB, Japan	Arm cylinder	Φ100xΦ65xS870-L1335		
Oil cooler	Air cooled type	Bucket cylinder	Φ55xΦ90xS710-L1115		
 <b>Swing System</b>		 <b>Refilling Capacity &amp; lubrication</b>			
Swing motor	KYB	Fuel tank	135 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		
 <b>Bucket</b>					
<b>Type</b>		<b>Backhoe bucket</b>			
Bucket capacity		0.34m <sup>3</sup> (SAE)			
Bucket Capacity scope		0.105-0.51m <sup>3</sup>			
Number of bucket teeth		5			
Bucket width		824 mm			
<b>Working Ranges</b>					
<b>Boom length</b>		<b>3905mm</b>			
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			
<b>Digging Force (ISO6015)</b>					
<b>Arm length</b>		<b>1750mm</b>			
A	Bucket digging force	60.8 KN			
B	Arm digging force	47.1 KN			
<b>Overall Dimensions</b>					
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