

## CT16-9B Mini Hydraulic Excavator



### Description

#### CT16-9B



- 1 CE certificate.
- 2 Original imported Japanese YANMAR engine, low noise, low fuel consumption, high torque.
- 3 Unique zero tail and extending tracks, suitable for working in narrow spaces.
- 4 Power 10% greater than many competitors machines in same class.
- 5 Rubber tracks
- 6 Slewing Boom meets confined space requirements
- 7 Includes hydraulic quick hitch, and hammer piping.

### Technical Specification

 <b>Engine</b>		 <b>Travel System</b>	
Model	Yanmar 3TNV70	Travel motors	Eaton
Type	Direct injection, water cooled, natural intake	Support roller quantities	2×3
		Carrier roller quantities	2×1
No. of cylinder	3	Travel shoes	No
Bore and stroke	70x74(mm)	Travel speed	2.1/4.2(km/h)
Displacement	0.854L	Drawbar pulling force	11.7kN
Power output	10kw/2200rpm	Gradeability	58%(30°)
Max. torque	50N.m/2000rpm	Track Shoes Thickness	5 mm

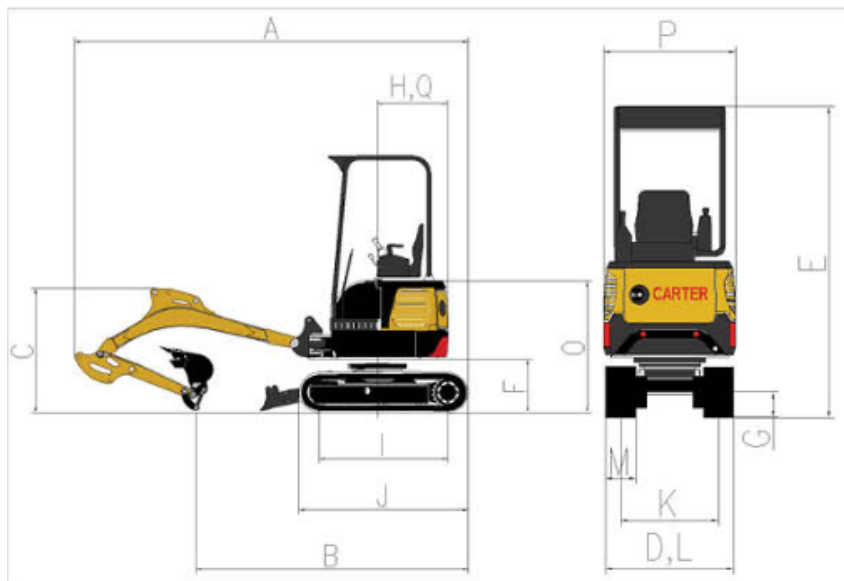


<b>Hydraulic System</b>		<b>Cab &amp; Electrical System</b>	
Pump	Nachi, Japan	Cab	All-weather, sound-suppressed Cab and equipped with a heavy, insulated Floor Mat, Front Window can be opened and slided; adjustable Seat
Type	Axial-piston pump+gear pump		
Max. discharge flow	2x20+15.1(L/min)		
<b>Max. discharge pressure</b>			
Boom, arm and bucket	20.6MPa	Voltage	12V
Travel circuit	12 MPa	Batteries	1X12V
Swing circuit	9 MPa	Battery capacity	60Ah
Control circuit	3 MPa	<b>Boom, Arm &amp; Bucket</b>	
Pilot control pump	Gear type	Boom cylinder	Φ60xΦ35xS440-L770
Main control valves	Hydro Control, Italy	Arm cylinder	Φ60xΦ35xS330-L600
Oil cooler	Air cooled type	Bucket cylinder	Φ55xΦ30xS300-L560
<b>Swing System</b>		<b>Refilling Capacity &amp; lubrication</b>	
Swing motor	Eaton	Fuel tank	22L
Swing motor type	Axial-piston motor	Cooling system	8L
Brake	No	Engine oil	4.4L
Parking brake	No	Hydraulic oil tank	17.5L Tank Oil Level
Swing speed	8.5 r/min		21L Hydraulic System
<b>Bucket</b>			
<b>Type</b>	<b>Backhoe bucket</b>		
Bucket capacity	0.04m <sup>3</sup> (SAE)		
Bucket Capacity scope	0.028-0.095m <sup>3</sup>		
Number of bucket teeth	4		
Bucket width	450 mm		
<b>Working ranges</b>			
<b>Boom length</b>		<b>1830mm</b>	
A	Max. digging height	3327mm	
B	Max. dumping height	2361mm	
C	Max. digging depth	2110mm	
D	Max. vertical digging depth	1600mm	
E	Max. digging distance	3947mm	
F	Max. digging radius at ground level	3889mm	
G	Min swing radius of work equipment	1625mm	
<b>Digging Force (ISO6015)</b>			
<b>Arm length</b>		<b>950mm</b>	
A	Bucket digging force	13.5 KN	
B	Arm digging force	8.6 KN	



### Overall Dimensions

A	Overall length	3707mm	I	Track grounding length	1210mm
B	Ground contact length(Transportation)	2611mm	J	Track length	1588mm
C	Overall height(to top of boom)	1185mm	K	Track gauge(extension 1090mm)	760mm
D	Overall width	1000mm	L	Track width(extension 1320mm)	990mm
E	Overall height(to top of cab)	2424mm	M	Track Shoe width	230mm
F	Counterweight ground clearance	484mm	O	Counterweight height	794mm
G	Min. Ground clearance	175mm	P	Revolving frame width	1000mm
H	Tail swing radius	665mm	Q	Distance from swing center to tail	665mm



### Operating Weight and Ground Pressure

Operating weight includes basic machine

Operating weight	1700kg (with canopy)
Ground pressure	28 KPa