



CT16-9B Mini Hydraulic Crawler Excavator



Description

CT16-9B (canopy) Photo



- 1 Have passed CE certificate.
- 2 Originally imported YANMAR engine, low noise, low fuel consumption, big torque.
- 3 Unique zero tail and extension track, suitable for working in narrow space.
- 4 Power system and hydraulic system cooperate well to improve 10% dig power.
- 5 With rubber track
- 6 Swing Boom meet narrow work condition.
- 7 Optional hydraulic quick hitch, hammer, ripper and drill.

Technical Specification

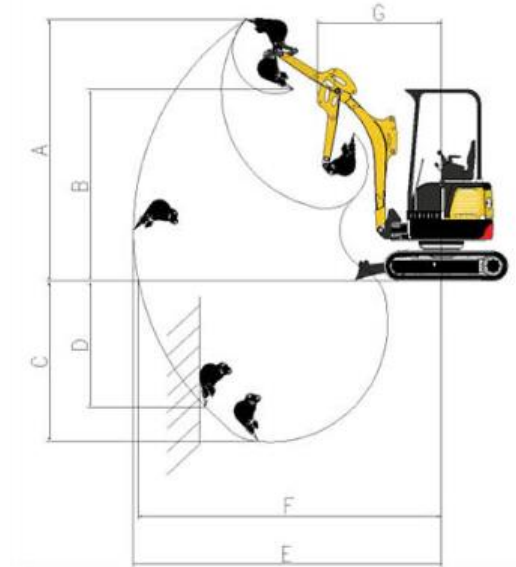
 Engine	 Travel System		
Model	Yanmar 3TNV70	Travel motors	Eaton
Type	Direct injection, water cooled, natural intake	Support roller quantities	2×3
No. of cylinder	3	Carrier roller quantities	2×1
Bore and stroke	70x74(mm)	Travel shoes	No
Displacement	0.854L	Travel speed	2.1/4.2(km/h)
Power output	10kw/2200rpm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



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Hydraulic System		Cab & Electrical System	
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	49.5 (L/min)		
Max. discharge pressure			
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	Boom, Arm & Bucket	
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
Swing System		Refilling Capacity & lubrication	
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
Bucket			
Type		Backhoe bucket	
Bucket capacity		0.04m ³ (SAE)	
Bucket Capacity scope		0.028-0.095m ³	
Number of bucket teeth		4	
Bucket width		450 mm	
Working ranges			
Boom length		1830m	
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	
Digging Force (ISO6015)			
Arm length		950mm	
A	Bucket digging force	13.5 KN	
B	Arm digging force	8.6 KN	



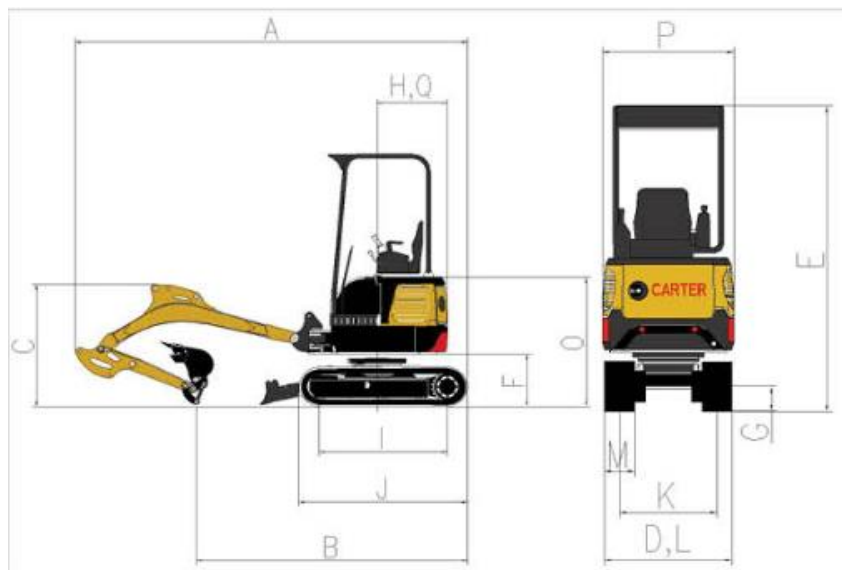


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Overall Dimensions

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