



CT160-8C Hydraulic Crawler Excavator






Description

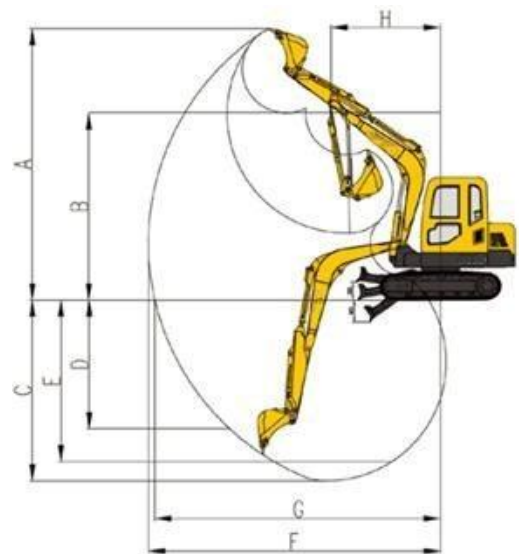
CT160-8C (ISUZU Engine) Photo



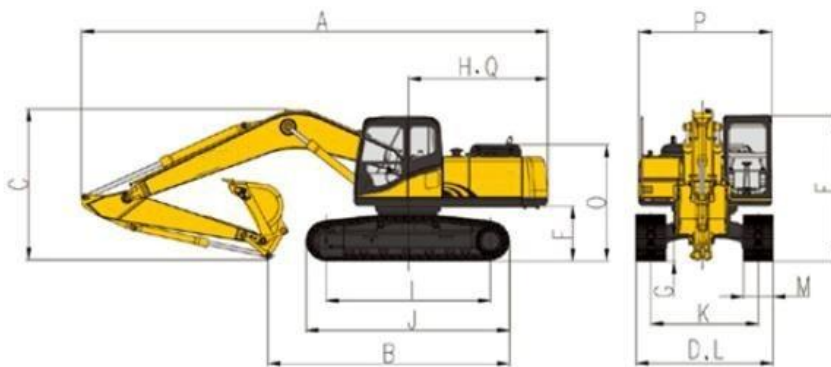
Technical Specification

 Engine	 Travel System		
Model	ISUZU 4JJ1X	Travel motors	KYB, Japan;
Type	Turbocharged, 4 stroke, Direct injection, water cooled, with air-air intercooler	Support roller quantities	2×7
		Carrier roller quantities	2×2
No. of cylinder	4	Travel shoes	2X41
Bore and stroke	95.4X104.9(mm)	Travel speed	2.7/5.0(km/h)
Displacement	2.999L	Drawbar pulling force	126kN
Power output	84kw/2200rpm	Gradeability	70%(35°)
Max. torque	375N.m/1800rpm	Track shoes thickness	8mm

 Hydraulic System		 Cab & Electrical System	
Pump	KPM, Japan	Cab	Cab installed with silicon oil rubber, adjustable luxurious seat, cold and warm air-conditioning system plus flexible pilot control system
Type	axial piston pump		
Max. discharge flow	2X110(L/min)		
Max. discharge pressure			
Boom, arm and bucket	31.4/34.3 MPa	Voltage	24V
Travel circuit	27 MPa	Batteries	2X24V
Swing circuit	27 MPa	Battery capacity	160Ah
Control circuit	3.9 MPa	Boom, Arm & Bucket	
Pilot control pump	Gear type	Boom cylinder	Φ105xΦ70xS941-L1448
Main control valves	KYB, Japan	Arm cylinder	Φ115xΦ80xS1135-L1650
Oil cooler	Air cooled type	Bucket cylinder	Φ100xΦ70xS875- L1350
 Swing System		 Refilling Capacity & lubrication	
Swing motor	KPM Japan	Fuel tank	240 L
Swing motor type	Axial-piston motor	Cooling system	22 L
Brake	Hydraulic oil released	Engine oil	13 L
Parking brake	Hydraulic disc brake	Hydraulic oil tank	120 L Tank Oil Level
Swing speed	12.4 r/min		165 L Hydraulic System
 Bucket			
Type		Backhoe bucket	
Bucket capacity		0.70m ³ (SAE)	
Bucket capacity scope		0.55-0.70 m ³	
Number of bucket teeth		5	
Bucket width		1020 mm	
Working Ranges			
Boom length		4600mm	
A	Max. digging height	8659mm	
B	Max. dumping height	6200mm	
C	Max. digging depth	5569mm	
D	Max. vertical digging depth	5050mm	
F	Max. digging distance	8387mm	
G	Max. digging reach at ground level	8261mm	
H	Min swing radius of work equipment	2509mm	
Digging Force (ISO6015)			
Arm length		2524mm	
A	Bucket digging force	99.7 KN	
B	Arm digging force	73.8 KN	
Overall Dimensions			



A	Overall length	7723mm	I	Track grounding length	2930mm
B	Ground contact length	4073mm	J	Track length	3630mm
C	Overall height(to top of boom)	2740mm	K	Track gauge	1995mm
D	Overall width	2495mm	L	Track width	2495mm
E	Overall height(to top of cab)	2767mm	M	Track Shoe width	500mm
F	Counter weight ground clearance	948mm	O	Counter weight height	1960mm
G	Min Ground clearance	410mm	P	Revolving frame width	2490mm
H	Tail swing radius	2380mm	Q	Distance from swing center to tail	2380mm



This picture just for reference

Operating Weight and Ground Pressure

Operating weight includes basic machine;

Operating weight	15200 Kg
Ground pressure	42 KPa