








CT160-8C Hydraulic Crawler Excavator Description

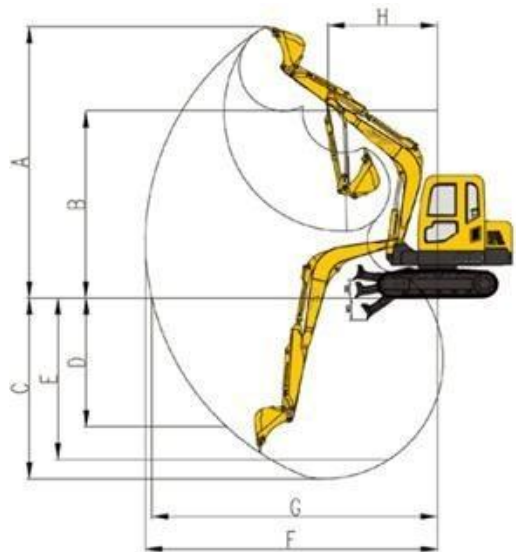
CT160-8C (ISUZU Engine) Photo



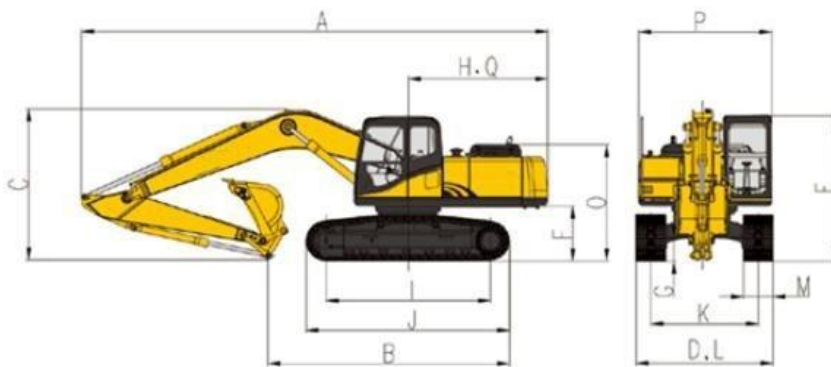
Technical Specification

|  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 |
| No. of cylinder | 4 | Carrier roller quantities | 2×2 |
| Bore and stroke | 95.4X104.9(mm) | Travel shoes | 2X41 |
| Displacement | 2.999L | Travel speed | 2.7/5.0(km/h) |
| Power output | 84kw/2200rpm | Drawbar pulling force | 126kN |
| Max. torque | 375N.m/1800rpm | Gradeability | 70%(35°) |
| | | 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 |
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|-----------------|--------|
| Ground pressure | 42 KPa |
|-----------------|--------|