

CT16 Hydraulic Crawler Mini Excavator





Description




CT16-9B (canopy) Photo

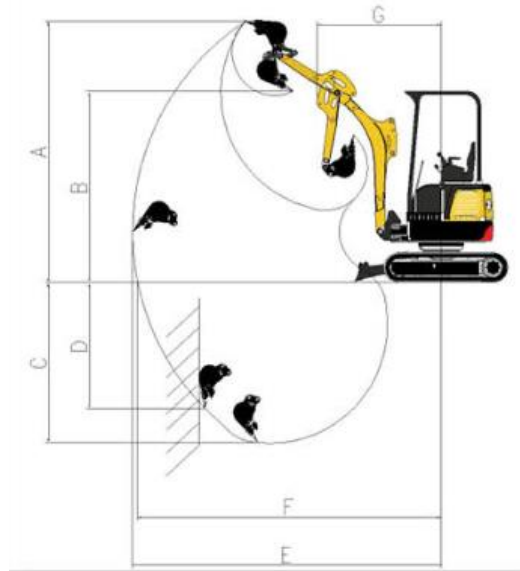


- 1 Have passed CE certificate.
- 2 Originally imported YANMAR engine, low noise, low fuel consumption, big torque.
- 3 Unique zero tail and extension track, suitable for working in narrow space.
- 4 Power system and hydraulic system cooperate well to improve 10% dig power.
- 5 With rubber track
- 6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

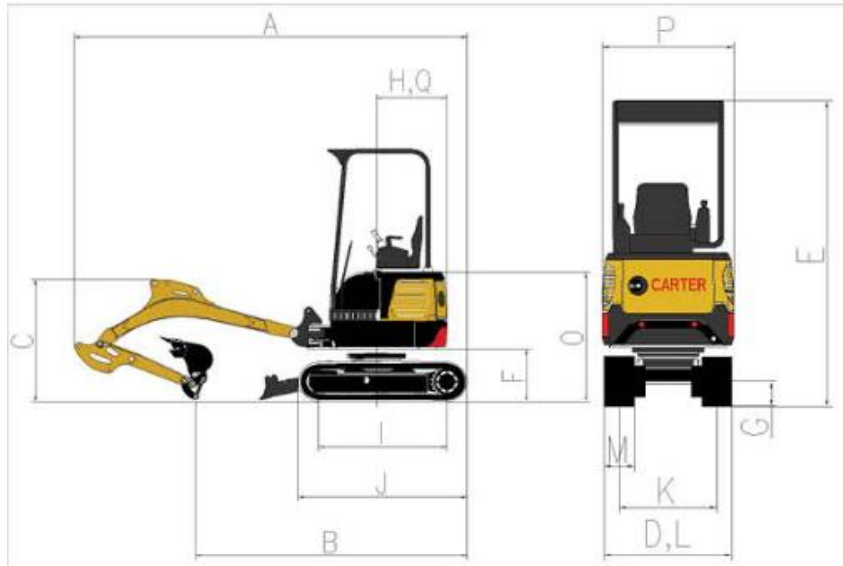
Technical Specification

|  Engine | |  Travel System | |
|---|--|--|---------------|
| Model | Yanmar 3TNV70 | Travel motors | Eaton |
| Type | Direct injection, water cooled, natural intake | Support roller quantities | 2×3 |
| | | 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/2200 obr./min | Gradeability | 58%(30°) |
| Max. torque | 50N.m/2000 obr./min | Track Shoes Thickness | 5 mm |
|  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 | | | |
| 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