

Case CX80 Tier 3 Hydraulic Excavator Operators Pdf Manual

The Case CX80 Tier 3 is equipped with an electronically-controlled Isuzu diesel engine. With high pressure common rail fuel injection, fuel cooling and Exhaust Gas recirculation (EGR) this motor easily meets the requirements of the EU directive 97/68/EC Tier 3A on engine emissions and is well prepared for the future move to Tier 4. Electronic control, working in combination with the Case hydraulic Intelligent Computer Command Control System (ICCCS) optimises the engine output to meet the load on the hydraulic system.



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ENGINE Emission Rating Interim Tier 4 Engine make / model Isuzu AU-4LE2X Net Power - hp (kW) 54 (40) Rated rpm - rpm 2000 Net Peak Torque - lbf / ft (Nm) 155 (210) Max speed - mph (kph) 3.2 (5.1) Max. Drawbar pull - lbf (kN) 13309 (59.2) UNDERCARRIAGE Track shoe width - inches (mm) 17.7 (450) Ground Pressure - Std. Pad - PSI (kPa) 5.51 (38) HYDRAULIC SYSTEM Main pumps total flow - gallons (US) / min (lt/min) 36 (136.2) Relief pressure, main - PSI (bar) 4264 (294) SWING SYSTEM Swing Speed - rpm 9.5 BOOM Boom length - ft/in (m) 11 ft 6 in (3.87) Arm length - ft/in (mm) 5 ft 7 in (1710) Arm breakout force, normal - lbf (kN) 12792 (56.9) Rating standard ISO 6015 WORKING RANGES Max. Dig Depth - ft/in (mm) 13 ft 9 in (4180) Reach at ground level - ft/in (mm) 22 ft 7 in (6890) Depth of 8' bottom - ft/in (mm) 12 ft 5 in (3780) Dump Height - ft/in (mm) 14 ft 5 in (4390) LIFTING CAPACITIES AT GROUND LEVEL Lift over end, 10' (3 050 mm) radius - lbs (kg) 9152 (4151) Lift over end, Max. reach - lbs (kg) 4052 (1838) Lift over side, 10' (3050 mm) radius - lbs (kg) 6002 (2722) Lift over side, Max. reach - lbs (kg) 1902 (863)

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