

Hitachi Zaxis Zx 160lc-3 180lc-3 180lcn-3 Excavator Factory Service Manual



Engine

Manufacturer and Model	Isuzu AI-4JJ1X certified to EPA Tier-3 emissions Net Power (ISO9249).....	121 hp (90.2 kW) @ 2,200 rpm
Cylinders.....	4 Displacement	183 cu. in. (2.99 L) Aspiration
.....	turbocharged, air-to-air charge air cooler Off-Level Capacity.....	70% (35 deg.)
Powertrain		
Maximum Travel Speed Low.....		2.1 mph (3.4 km/h)
High		3.3 mph (5.3 km/h) Drawbar Pull
.....		38,030 lb. (17 250 kg)
Hydraulics		
Open center, load sensing; auxiliary hydraulic flow adjustable through monitor Main Pumps		2 variable-displacement axial-piston pumps Maximum

Rated Flow2 x 50.4 gpm (2 x 191 L/min.) Pilot Pump
.....one gear Maximum Rated Flow
.....8.87 gpm (33.6 L/min.) Pressure Setting
.....570 psi (3930 kPa)
System Operating Pressure Implement Circuits4,980 psi (34 336
kPa) Travel Circuits4,980 psi (34 336 kPa) Swing Circuits
.....4,250 psi (29 300 kPa) Controls
.....pilot levers, short stroke, low effort; hydraulic pilot
controls with shutoff lever