

Hitachi Zaxis Zx 120-3 Excavator Workshop Service Repair Manual

Engine Manufacturer and ModelIsuzu 4JJ1X Non-Road Emission Standardscertified to EPA Tier-3 emissions Net Power (ISO9249).....93 hp (69 kW) @ 2,000 rpm
Cylinders.....4
Displacement.....183 cu. in. (3.0 L) Off-Level Capacity.....70% (35 deg.)
Aspiration.....turbocharged, air-to-air charge air cooler Cooling Direct-drive, suction-type fan Powertrain Two-speed propel with automatic shift Maximum Travel Speed Low.....2.1 mph (3.4 km/h) High3.4 mph (5.5 km/h)





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Brakes: Swing Brake

.....multiple wet disc, spring applied, hydraulically released

Propel Brake.....spring applied, hydraulic release Hydraulics

Open center, load sensing; auxiliary hydraulic flow adjustable through monitor Main

Pumps.....2 variable-displacement axial-piston pumps

Pump Flow2 x 27.7 gpm (2 x 105 L/m) Pilot Pump

.....one gear Maximum Rated

Flow.....8.7 gpm (32.9 L/m) Pressure Setting

.....570 psi (3930 kPa) System Operating Pressure Implement

Circuits.....4,980 psi (34 336 kPa) Travel Circuits

.....4,980 psi (34 336 kPa) Swing Circuits

.....4,690 psi (32 336 kPa) Controls

.....pilot levers, short stroke, low effort; hydraulic pilot

controls with shutoff lever Cylinders Heat-treated, chrome-plated, polished cylinder rods, hardened

steel (replaceable bushings) pivot pins Bore Boom (2)

.....4.13 in. (105 mm) Arm

(1).....4.53 in. (115 mm) Bucket (1)

.....3.94 in. (100 mm) Electrical Rod Diameter 2.76 in.

(70 mm) 3.15 in. (80 mm) 2.76 in. (70 mm) Undercarriage Carrier Rollers (per

side).....1 Track Rollers (per

side).....7 Shoes (per side)

.....44 Drawbar Pull

.....24,729 lb. (11 216 kg) Track Adjustment

.....hydraulic Guides

.....front Chain

.....sealed and lubricated