

ISUZU INDUSTRIAL DIESEL MODEL 3LB1

Main Specifications

Type	1 cylinder, 4 valve, water cooled, OHV
Stroke	90 mm (3.54 in.) (Stroke to Bore Ratio)
Bore x Displacement	65 mm (2.56 in.) x 1.13 L
Compression Ratio	22.1
Dry Weight	279 kg (616 lbs)
Maximum 1/2 HP @ R.P.M.	2,100 x 27.5 x 26.8 hp
	18.7 x 47.8 x 23.0 mm
Cylinder Capacity (Stroke)	1.24 L (32.1 U.S. qt)
Idle RPM (q/s)	600 (3,600 U.S. qt)
Engine Breathing System	Common Choke
ISO 1500 1/2 water cooled engine & exhaust standard	1.1
1 year/2000 hour warranty (parted labor - for this product)	



Start options may be chosen

Main Features

Standard

Alternate	12V-28A
Voltage Regulator	12V - Integral
Water	1.2L (0.318 U.S. gal) per revolution
Injection Order	From leftward
Aspirator	80° inclination
Hydraulic Winding	640 cm
Washer	2.4L (0.63 U.S. gal) per revolution
Oil Pan	80° inclination of alternator
Water Cooler	Integral
Oil	1.1 L (0.29 U.S. gal)

Industrial Rating

Excavation	21.4 kW (28.8 HP) @ 1500 RPM
Conditioner	21.4 kW (28.8 HP) @ 1500 RPM
Maximum Torque	11.00 kg-m (80.00 ft-lb)



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Always work safely without your seat belt.



ISUZU INDUSTRIAL DIESEL MODEL 3L81

Special Features

- Low exhaust emission
- DOV-III glow plug system for fast start
- Ballast injection
- Quiet design

Dimensions

2 year/2000 hour warranty including parts & labor



Isuzu Heavy Engines
2800mm³
DOV-III
Ballast Injection
Quiet Design
Low Exhaust Emission



Subject to change without prior notice

ISUZU 3L81

ISUZU INDUSTRIAL DIESEL MODEL 3LD1

Main specifications

Type	4-cylinder, 4-cycle, water-cooled, direct injection
Bore x Stroke	117 x 130mm (4.61 in. x 5.12 in.)
Rated Output	41.2 kw (55.5 hp) @ 2400 rpm
Compression Ratio	22.1
Oil Weight	10.5 liter (2.8 gal)
Dimensions, L x W x H	720 x 710 x 290 mm (28.3 x 27.9 x 11.4 in.)
Engine Capacity (Working)	1.97 liter (0.55 gal)
Idle RPM (approx.)	750 rpm (1500)
Idle Oil Capacity	4.7 liter (1.2 gal)
Major Service Interval	Every 1000 hours (250 hr) or 10000 km (6200 miles) whichever comes first
2-year/20000-km warranty (with 1000-hour free service)	

2400 rpm



Other options may be added

Main Features

Standard

Intake	UP - Side
Exhaust/Injection	UP - Inboard
Water	UP - 1.8MPa (26.2psi)
Injection Valve	Four-valve
Stroke	90° Inclined
Injection Timing	14.5 deg
Control	SAE J19, 1.8MPa (26.2psi) direct
Oil Pan	90° Inclined, oil direction
Water Outlet	Inboard
Oil	10 liter (2.64 gal)

Advanced Rating

Intake	15.2MPa (219.5psi) 1000 RPM
Exhaust	15.2 MPa (219.5psi) 1000 RPM
Maximum Torque	70.1 x 10.0 (21.900 x 344)



Isuzu Diesel Engine
28 Daimler-Benz
Production Unit
Chassis: 77 (1000)
SAE: J19 (1.8MPa)
ISO: 1000 (1000)

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