

ISUZU INDUSTRIAL DIESEL MODEL 4LC1

Main Specifications

Type	4 cylinder, in-line, water-cooled, turbo
Valve	Variable Valve Timing System
Bore & Stroke	1.00 x 1.000 (3.94 x 3.94) in
Free Displacement	39.6 cu in (2.5 l)
Compression Ratio	23.1
Dry Weight	244 lbs (110 kg)
Dimensions, L x W x H	23.2 x 19.3 x 23.6 in
	645 x 493 x 600 mm
Crane Capacity (Static)	37 kg (81 lb)
Load/Cr Capacity	Type 1/1.2
Engine Position/Rotation	Crane (Clockwise)
ISO 15845-1 water resistant & oil resistant	40-2
ISO 15845-2 water resistant, petroleum based, low fire hazard	



Power options vary by design

Main Access

Main Access	Standard
Alternator	27 - 35A
Valve Regulator	Standard
Water	1.75 - 1.800 gpm (min/10 min)
Exhaust Cooler	Standard
Air Filter	97% Efficiency
Flue/Gas Heating	54,000
Flue/Gas	54,000 BTU
ISO 1584	97% Efficiency (min/10 min)
Water Cooler	Standard
Fuel	1.2 to 2.000 gpm (min)

Industrial Rating

Maximum	41,000 (2,100,000 BTU)
Continuous	18,000 (950,000 BTU)
Minimum Output	3000 (160,000 BTU)



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ISUZU INDUSTRIAL DIESEL

MODEL 4LCE

Special Features

- Interdigitated
90° Multi-Groove Flywheel Function
- Low Profile
- Quiet Operation
- Low Emissions

Dimensions



2 year/2000 hour warranty including parts and labor



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Isuzu is a leader in diesel power solutions.



isuzu.com

ISUZU INDUSTRIAL DIESEL MODEL 4LE1

Main Specifications

Type	4-cylinder, 4-cycle, water-cooled, DI-DI
Stroke & Bore	75mm x 77mm (2.95 in. x 3.03 in.)
Rated Displacement	2.95 liter (181 cu. in.)
Compression Ratio	17.5:1
Max Torque	200 Nm x 1400 rpm
Maximum Fuel Oil	200 liter (52.8 gal.)
	70°C (158°F) for 30 minutes
Carbon Capacity (Block)	2.9 liter (0.77 gal.)
Valve Lift Capacity	4 mm (0.157 in.)
Engine Breathing System	Common Rail System
ISO-Ad 200	1 liter (0.264 gal.)
2 year/2000 hours warranty, parts & labor, see brochure for details	

Main Features

Feature	Model
Injection	DI-DI
Valve Regulation	Variable
Water	DI-DI 1.8% glycol solution
Exhaust Valve	Delayed
Oil Seal	Delayed
Hydraulic Timing	Variable
Exhaust	ISO-Ad 200
Oil Pan	DI 1.8% glycol solution
Water Jacket	Delayed
Oil	ISO-Ad 200 (see manual)

Industrial Rating

Maximum	10000 hours (100000 km)
Continuous	20000 hours (200000 km)
Maximum Torque	200 Nm (147 ft. lb.) @ 1400 RPM

4LE1 Engine



Power curves may be shown



Isuzu Diesel Engines

2000cc Series
2.5L Series
3.0L Series
4.2L Series
5.2L Series
6.5L Series

ISUZU DIESEL ENGINES



Subject to change without prior notice

ISUZU INDUSTRIAL DIESEL

MODEL 4LE1

Dimensions



2 year/2000 hour warranty (excluding parts of labor)



Medium Duty Engines

2000 Series
2000 Series
2000 Series
2000 Series
2000 Series
2000 Series

Separate design without prior notice



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ISUZU INDUSTRIAL DIESEL

MODEL C240

C 4JB 1 = 77 hp
3600 rpm

Main Specifications

Type..... In-line, 4-cyl., water-cooled, CIP
 Fuel System..... Indirect Injection
 Bore x Stroke..... 4.06 x 4.06 in. (104.0 x 103.0 mm)
 Piston Displacement..... 4.4 liter (267 cu. in.)
 Compression Ratio..... 20:1
 Dry Weight..... 490 lbs. (222 kg)
 Dimensions, L x W x H..... 34.7 x 21.1 x 21.1 in.
 (881 x 531 x 531 mm)
 Cooling Capacity (Water)..... 1.4 gpm (5.3 l/min)
 Lubrication Capacity..... 4.0 gal. (15.1 l)
 Engine Model No. C240-1
 Cylinders/Stroke/Valves..... 4/4/16/16



Note: speed up to 3600

Main Features

Standard

Altitude	0 FT - 10,000
Voltage Regulator	On
Water	20% - 25% glycol solution
Engine Oil	SAE 15W-40
Air Filter	SAE 15W-40
Injection Timing	Adjustable
Injection	For 10% maximum speed
Oil Pan	20% maximum oil dilution
Water Valve	On
Oil	1.4 in. (36mm) filter

Optional Items

Injection..... 100% glycol solution
 Coolant..... 20% glycol solution
 Maximum Torque..... 100% at 2,000 RPM



Isuzu Heavy Diesel
 10000-100
 10000-100
 10000-100
 10000-100

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ISUZU INDUSTRIAL DIESEL

MODEL C14B

Dimensions



Special Features

- Replaceable wear-and-tear items
- Over-plugs
- Self-aligning
- Quiet design

1 Year/2000 hour warranty including parts & labor



Isuzu Industrial Engines
2000 Series
1700-2000 cc
Isuzu C14B/C
Isuzu C14D/C
Isuzu C14E/C

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ISUZU INDUSTRIAL DIESEL MODEL 4BD1

Model Specifications

Type	4 cylinders, 4 cycle, water-cooled, DPF
Stroke	100 mm (3.94 in)
Bore	76 mm (2.99 in)
Stroke x Bore	100 x 76 mm (3.94 x 2.99 in)
Compression Ratio	21.5:1
Max Output	44 kW (59.5 hp)
Maximum RPM	2400 (1500 & 1800)
Power Capacity (kW)	44 (59.5 & 77.5)
Water Capacity (liters)	14 (3.75 gal)
Water Capacity (gallons)	3.75 (14.0)
Engine Model No.	4BD1
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Isuzu engine may be shown

Model Features

Standard

Injection	DPF - 400
Voltage Regulator	DPF
Water	DPF - 1.0 liter/gallon
Water Filter	None
Air Filter	None
Overhead Valve	DPF
Overhead	DPF - 1.0 liter/gallon
Water Pump	None
Oil	None

Optional Equip

Injection	DPF - 1.0 liter/gallon
Water	DPF - 1.0 liter/gallon
Water Filter	DPF - 1.0 liter/gallon



Isuzu Diesel Division

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Isuzu Diesel Division, Isuzu Diesel Division, Isuzu Diesel Division

ISUZU INDUSTRIAL DIESEL MODEL 4BD1

Dimensions



2 year/2000 hour warranty including parts & labor

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ISUZU INDUSTRIAL DIESEL MODEL 4BD1T

Main specifications

Type	4 cylinders, Turbo, water cooled, DOHC
	Direct injection, Fuel injected
Bore & Stroke	4.02" x 4.06" (102.5mm x 103mm)
Power Output	100.7 hp (74.2 kW) @ 2400 rpm
Compression Ratio	21.0
Oil Weight	7.0 liter (1.87 gal)
Dimensions L x W x H	28.7" x 21.5" x 23.2" (730 x 547 x 588 mm)
Water Capacity (Radiator)	10.0 liter (2.64 gal)
Lube Oil Capacity	7.0 liter (1.87 gal)
Engine Rotation Direction	Forward Clockwise
Transmission	5-Speed Manual, with 4-Speed for the Hybrid



Main Features

Standard

Blower	17V - 40A
Exhaust Regulator	TV
Water	100% 12.5W gas injection
Exhaust Valve	Variable intake
Air Filter	Rotational - wet
Flashed Timing	240° BT
Water	10" (254mm) dia. & 4"
Water	Water pump 10" dia. & 4"
Water Valve	Variable
Oil	10" x 2.64 liter (1.87 gal) 100W

Optional fitting

Water	10" (254mm) dia. & 4"
Water	10" (254mm) dia. & 4"
Water Pump	10" x 2.64 liter (1.87 gal) 100W

Power output map for reference



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ISUZU INDUSTRIAL DIESEL MODEL 4BD1T

Special Features

Direct Injection
Stove Plug Sealing Axle
Replaceable Crown Dry Liner
Turbocharger Drive Off Road Cover

Dimensions

2 year/2000 hour warranty (including parts & labor)



Heavy-Duty Engines
20 Series
7.5 to 10.0
Output 27-100kW
Turbocharged/Inter
Fuel 84% O/N 95



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