



Engine family

上海焯明机械设备有限公司

Shanghai Diesel Engine Family Co. Ltd

Telephone: 0086-21-33282711 Fax: 0086-21-33282711

Performace Curve

- Engine produced with Japanese Isuzu technology introduced
- Ideal for 2-3 ton cargo trucks, 6-7 meter luxurious bus chassis, city bus, etc
- Low fuel consumption, low emission
- Compact structure
- With Japanese Isuzu technology introduced
- Directly fuel injection
- Japanese Isuzu 4BD1 is widely use on Isuzu vehicles, such as ELF trucks, NPR59 trucks, etc
- OHV indirect injected 5-speed transmission



Alisa

Mobile Phone: 0086-18616263753

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Address: Room 101, No. 13, Alley 751, Putao Road, Minhang District, Shanghai , China

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Engine Model	4BG1	4BG1T
Engine Characteristics	4Cycle. Water Cooled. Vertical In-Line.	4Cycle. Water Cooled. Vertical In-Line.
Valvetrain Configuration	Over Head Valve	Over Head Valve
Type of Aspiration	Naturally Aspirated	Turbocharged
Type of Injection	Direct	Direct
No. of cylinders	4	4
Displacement (Lit)	4.329	4.329
Compression ratio	17.5 to 1	17 to 1
Firing Order	1-3-4-2	1-3-4-2
Overall Dimensions		
Length (mm)	934.5	934.5
Width (mm)	572	666
Height(mm)	826.5	855

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Engine Model	4BG1	4BG1T
Dry Weight (kg)	350	360
Industrial Power		
Gross (SAE J1995)		
Max. Rated Output(kW/min-1)	66.5 / 2500	83.0 / 2400
Max. Torque (N.m)	305	385
Net Performance (ISO 3046)		
Max. Rated Output(kW/min-1)	63.2 / 2500	80.0 / 2400
Max. Torque (N.m)	300	380
Min.S.F.C (@Full Load)(g/kW.h)	220	215
Generator Set Power (Net)		
1500rpm Stand-by (kW)	38.4	59.2

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Engine Model	4BG1	4BG1T
1500rpm Prime (kW)	34.6	53.3
1800rpm Stand-by (kW)	48	74
1800rpm Prime (kW)	43.2	66.6
Condition of Net power		
Cooling Fan (mm)	500	500
Intake Depression (kPa)	2.5	2.5
Exhaust Back Pressure (kPa)	0	0
Lubrication System	Full forced pressure feed type	Full forced pressure feed type
Oil Pump	Trochid type. Gear driven from camshaft.	Trochid type. Gear driven from camshaft.
Lub. Oil Capacity(Oil Pan Only)(Lit)	13	13
Type of Lubrication Oil	API CC or CD	API CD
Cooling System	Water circulation type by pressurized centrifugal vane type by vee belt driven	Water circulation type by pressurized centrifugal vane type by vee belt driven

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Engine Model	4BG1	4BG1T
Coolant Capacity (Engine only)(Lit)	8.5	8.5
Fuel System	By plunger and nozzle. High pressure solid inj. type.	By plunger and nozzle. High pressure solid inj. type.
Injection Pump	Zexel make. In-line Bosch A type.	Zexel make. In-line Bosch A type.
Governor	RSV Variable speed control mechanical governor	RSV Variable speed control mechanical governor
Type of Fuel	Diesel fuel (SAE 2D Type)	Diesel fuel (SAE 2D Type)
Electric System	Negative grounding system (24V)	Negative grounding system (24V)
Starting Aid	Glow plug	Glow plug
Starter Motor (V-kW)	24-3.5	24-3.5
Alternator (V-A)	24-25	24-25
Battery Requirements (V-CCA)	12-580	12-580
Quantity	2	2

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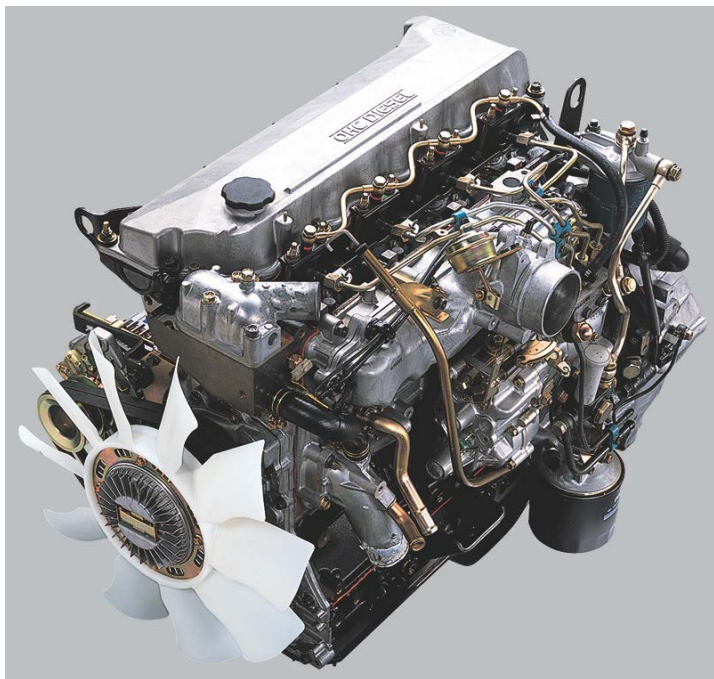
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4BG1TCG



Currently, the Japanese automotive corporation Isuzu Motors Limited is one of the world's largest manufacturers of trucks, buses and diesel engines. In this case, the production of power plants is allocated to a separate specialized unit responsible for all stages of production: from development to production and integrated testing of finished units.

Since its inception, the company has produced more than 20 million diesel engines, characterized by the highest reliability and durability, proven multi-year operation of motors around the world and in a variety of climates. At present, the company offers more than 30 models of diesel power plants, in accordance with their environmental performance fully in line with the most modern international requirements.



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