

- Fly wheel housing SAE 4#
- Fly wheel SAE 7.5# (tooth number 109)

- Fuel filter Full flow, cartridge type
- Used fuel Diesel fuel oil

◎ MECHANISM

- Type Overhead valve
- Number of valve Intake 1, exhaust 1 per cylinder
- Valve lashes at cold Intake 0.35mm
Exhaust 0.45mm

◎ LUBRICATION SYSTEM

- Lub. Method Fully forced pressure feed type
- Oil pump Gear type driven by camshaft
- Oil filter Full flow, cartridge type
- Oil pan capacity High level 10 L
Low level 8 L
- Angularity limit Front down 25°
Front up 35°
Side to side 35°

◎ VALVE TIMING

- | | Opening | Close |
|-----------------|----------|----------|
| ○ Intake valve | 12° BTDC | 38° ABDC |
| ○ Exhaust valve | 50° BBDC | 14° ATDC |

- Lub. Oil Refer to Operation Manual

◎ COOLING SYSTEM

- Water capacity 2.3L
(engine only)
- Lid Min. pressure 70kPa
- Water pump Centrifugal type driven by belt
- Water pump Capacity 25L/min (1500r/min)
- Thermostat Wax-pellet type
Opening temp. 72°C
Full open temp. 82°C
- Cooling fan Blower type, plastic
400 mm diameter, 7 blades
Power consumption 3.5 kW
- The maximum temp. of coolant in prime/ Standby power 104/100°C

◎ ENGINEERING DATA

- Heat rejection to coolant 8 kcal/sec (1500r/min)
- Heat rejection to intercooler
- Air flow 1.7m³/min (1500r/min)
- Exhaust gas flow 7.2m³/min (1500r/min)
- Exhaust gas temp. 480 °C
- Max. permissible restrictions 3 kPa initial
Intake system 4 kPa final
Exhaust system 10 kPa max
- intercooler permissible restrictions

◎ ELECTRICAL SYSTEM

- Charging generator 12V×70A
- Voltage regulator Built-in type IC regulator
- Starting motor 12V×3.8kW
- Battery Voltage 12V
- Battery Capacity 110~120 AH

