



- Fly wheel housing SAE 4#
- Fly wheel SAE 7.5# (tooth number 120)

- 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  | 11° BTDC | 41° ABDC |
| ○ Exhaust valve | 49° BBDC | 11° ATDC |

- Lub. Oil Refer to Operation Manual

### ◎ COOLING SYSTEM

- Water capacity 2.7L  
(engine only)
- Lid Min. pressure 70kPa
- Water pump Centrifugal type driven by belt
- Water pump Capacity 28L/min (1800r/min)
- Thermostat Wax-pellet type  
Opening temp. 72°C  
Full open temp. 82°C
- Cooling fan Blower type, plastic  
420 mm diameter, 7 blades  
Power consumption 3.5 kW
- The maximum temp. of coolant in prime/ Standby power 104/100°C

### ◎ 柴油机数据

- Heat rejection to coolant 12.8 kcal/sec (1800r/min)
- Heat rejection to intercooler
- Air flow 2.8m<sup>3</sup>/min (1800r/min)
- Exhaust gas flow 8.9m<sup>3</sup>/min (1800r/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

