

◎ POWER RATING

Intermittent rating hp / rpm	Max. torque N.m(kg.m) / rpm	Fuel consumption g/kW.h(g/PS.h) / rpm
760.5 / 1800	3205 (327) / 1500	223 (164) / 2100



1. The engine performance corresponds to ISO 3046, DIN 6270B.
2. If needs continuous duty, Engine power is restricted to 709.5 hp @1800rpm.

◎ MECHANICAL SYSTEM

- Engine Model PU222TI
- Engine Type V-type 4 cycle, water cooled
Turbo charged & intercooled
- Combustion type Direct injection
- Cylinder Type Replaceable wet liner
- Number of cylinders 12
- Bore x stroke 128(5.04) x 142(5.59) mm(in.)
- Displacement 21.927 (1,338.0) lit.(in³)
- Compression ratio 15 : 1
- Firing order 1-12-5-8-3-10-6-7-2-11-4-9
- Injection timing 18° BTDC
- Dry weight Approx. 1,575 kg (3,472 lb)
- Dimension 1,717 x 1,389 x 1,288 mm
(LxWxH) (67.6 x 54.7 x 50.7 in.)
- Rotation Counter clockwise viewed from Flywheel
- Fly wheel housing SAE NO.1M
- Fly wheel Clutch NO.14M

◎ MECHANISM

- Type Over head valve
- Number of valve Intake 1, exhaust 1 per cylinder
- Valve lashes at cold Intake 0.25mm (0.0098 in.)
Exhaust 0.35mm (0.0138 in.)

◎ VALVE TIMING

- | | Opening | Close |
|-----------------|--------------|--------------|
| ○ Intake valve | 24 deg. BTDC | 36 deg. ABDC |
| ○ Exhaust valve | 63 deg. BBDC | 27 deg. ATDC |

◎ OPTION & ACCESSORY PARTS

- Engine parts Fly wheel & housing Intake & exhaust manifold Raditor,
- Accessory parts silencer & air cleaner
- Electrical parts Gauge panel & stop solenoid

◎ FUEL SYSTEM

- Injection pump Bosch in-line "P" type
- Governor Mechanical type
- Feed pump Mechanical type
- Injection nozzle Multi hole type
- Fuel filter Full flow, cartridge type
- Used fuel Diesel fuel oil

◎ LUBRICATION SYSTEM

- Lub. Method Fully forced pressure feed type
- Oil pump Gear type driven by crankshaft
- Oil filter Full flow, cartridge type
- Oil pan capacity High level 40 liters (10.6 gal.)
Low level 33 liters (8.7 gal.)
- Angularity limit Front down 20 deg.
Front up 20 deg.
Side to side 15 deg.
- Lub. Oil Refer to Operation Manual

◎ PERFORMANCE CURVE



