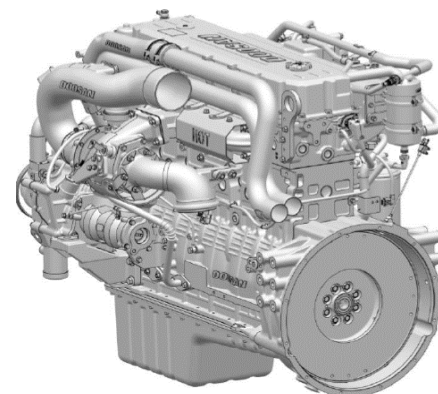


© Production tolerance : ±5%

Intermittent rating kW(PS) / rpm	Max. torque N.m(kg.m) / rpm
309 (420) / 1900	1833 (187) / 1200
287 (390) / 1900	1569 (160) / 1200



© MECHANICAL SYSTEM

- Engine Model DX12E
- Engine Type In-line Type 4 cycle, water cooled
Turbocharged & Intercooled
- Combustion Type Electronic Common Rail
- Cylinder Type Replaceable dry liner
- Number of cylinders 6
- Bore x stroke 123 x 155 mm
- Displacement 11.1L
- Compression ratio 16.6 : 1
- Firing order 1-5-3-6-2-4
- Dry weight 1,000 kg (Engine Only)
- Dimension 1,318 x 1,033 x 1,116 mm
- Rotation CCW viewed from Flywheel
- No Load Max Engine Speed 2,100 +/- 50 rpm
- No Load Min Engine Speed 600 +/- 50 rpm
- Air Comp. Capacity 354 cc/rev (Single)
636cc/rev (Twin)

© Valve System

- Type Over head valve
- Number of valve Intake 2, exhaust 2 per cylinder
- Valve lashes at cold Intake 0.4mm
Exhaust 0.5mm

© FUEL SYSTEM

- Injection pump BOSCH CP 3.4
- Feed pump Gear Type
- Injection nozzle DLLA Maxi Type
- Fuel filter Full flow, Cartridge Type
- Used fuel Diesel fuel oil

© LUBRICATION SYSTEM

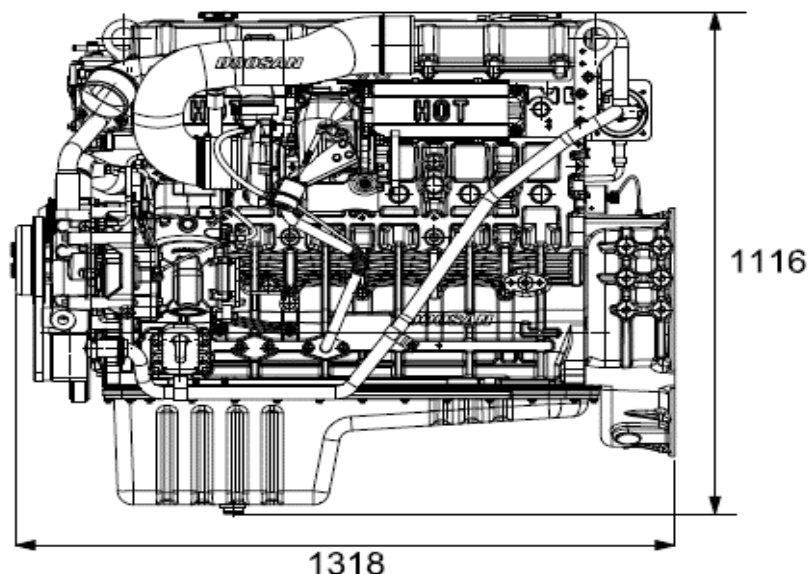
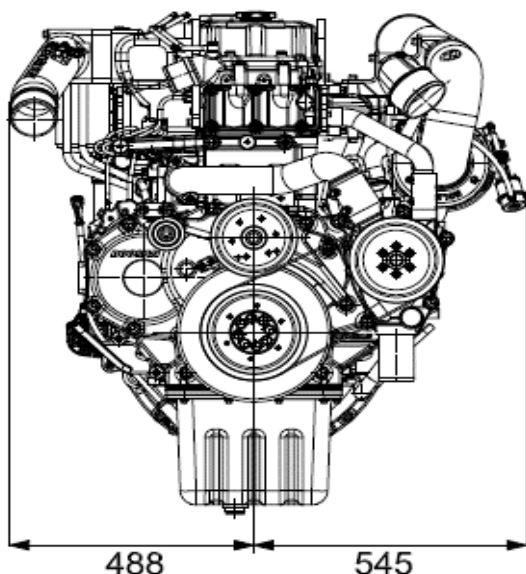
- Lub. Method Fully forced pressure feed Type
- Oil pump Gear Type driven by crankshaft
- Oil filter Full flow, Cartridge Type
- Oil pan capacity High level 26 liters
Low level 16 liters
- Lub. Oil API CJ-4 Grade 10W40

© Cooling System

- Cooling method Fresh water forced circulation
- Water capacity 20.0 liters (Engine only)
- Water pump Capacity 390 liters/min at 2,250rpm
- Thermostat Wax – Pellet Type

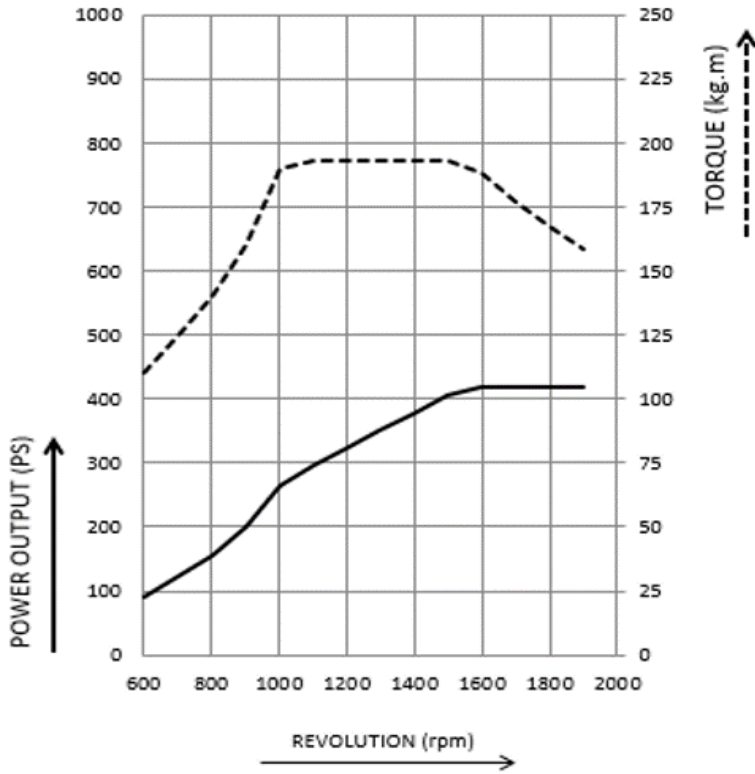
© ELECTRICAL SYSTEM

- Starting motor 24V x 6kW
- Battery Voltage 24V
- Battery Capacity 150 AH x 2EA (Recommended)

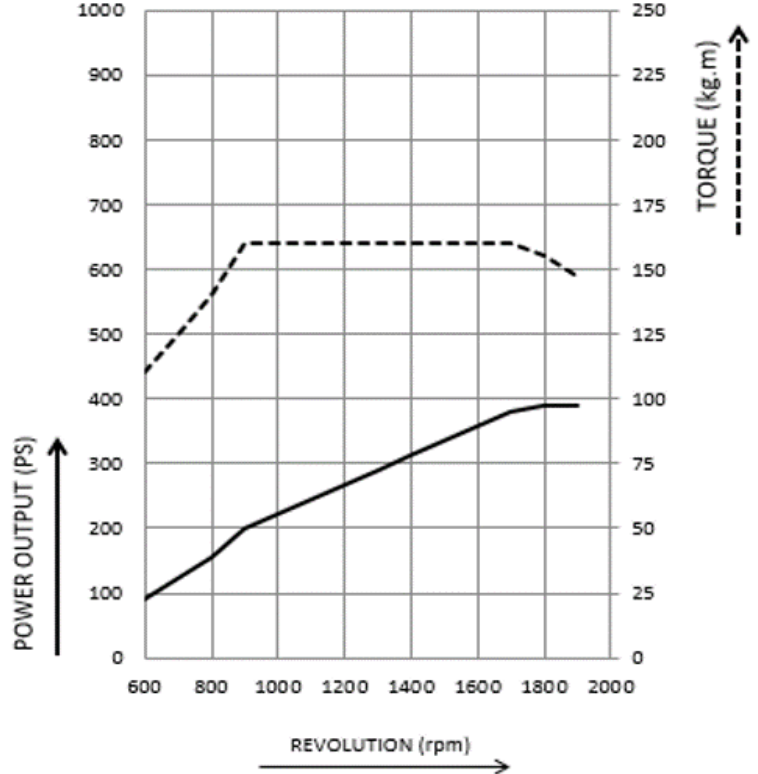


◎ PERFORMANCE CURVE

○ 309kW (420PS) / 187kg.m



○ 287kW (390PS) / 160kg.m



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※ Specifications are subject to change without prior notice