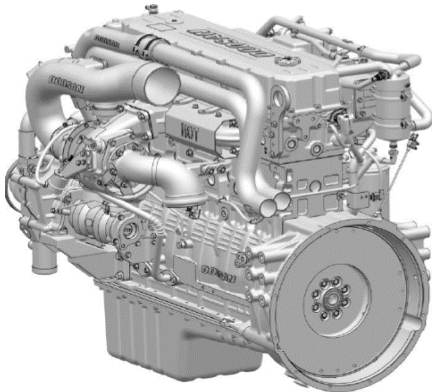


◎ Production tolerance : ±5%

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 ModelDX12E
- Engine TypeIn-line Type 4 cycle, water cooled  
Turbocharged & Intercooled
- Combustion TypeElectronic Common Rail
- Cylinder TypeReplaceable dry liner
- Number of cylinders6
- Bore x stroke123 x 155 mm
- Displacement11.1L
- Compression ratio16.6 : 1
- Firing order1-5-3-6-2-4
- Dry weight1,000 kg (Engine Only)
- Dimension1,318 x 1,033 x 1,116 mm
- RotationCCW viewed from Flywheel
- No Load Max Engine Speed2,100 +/- 50 rpm
- No Load Min Engine Speed600 +/- 50 rpm
- Air Comp. Capacity354 cc/rev (Single)  
636cc/rev (Twin)

◎ Valve System

- TypeOver head valve
- Number of valveIntake 2, exhaust 2 per cylinder
- Valve lashes at coldIntake 0.4mm  
Exhaust 0.5mm

◎ FUEL SYSTEM

- Injection pumpBOSCH CP 3.4
- Feed pumpGear Type
- Injection nozzleDLLA Maxi Type
- Fuel filterFull flow, Catridge Type
- Used fuelDiesel fuel oil

◎ LUBRICATION SYSTEM

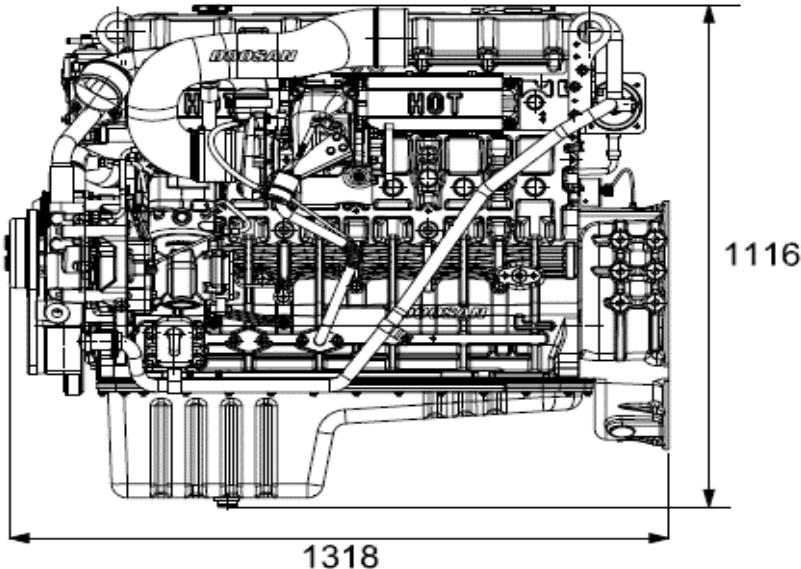
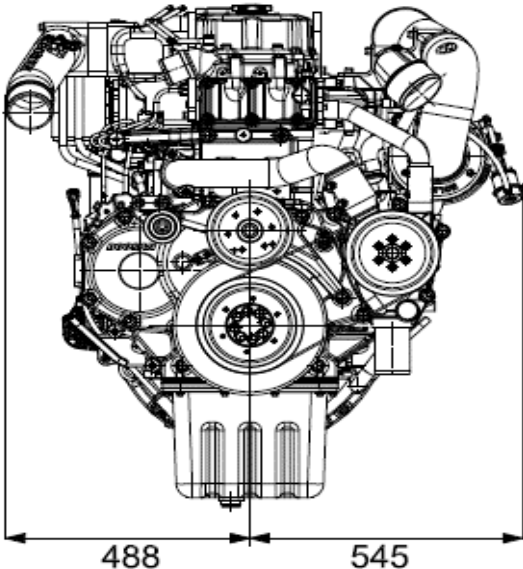
- Lub. MethodFully forced pressure feed Type
- Oil pumpGear Type driven by crankshaft
- Oil filterFull flow, Catridge Type
- Oil pan capacityHigh level 26 liters  
Low level 16 liters
- Lub. OilAPI CJ-4 Grade 10W40

◎ Cooling System

- Cooling methodFresh water forced circulation
- Water capacity20.0 liters (Engine only)
- Water pump Capacity390 liters/min at 2,250rpm
- ThermostatWax – Pellet Type

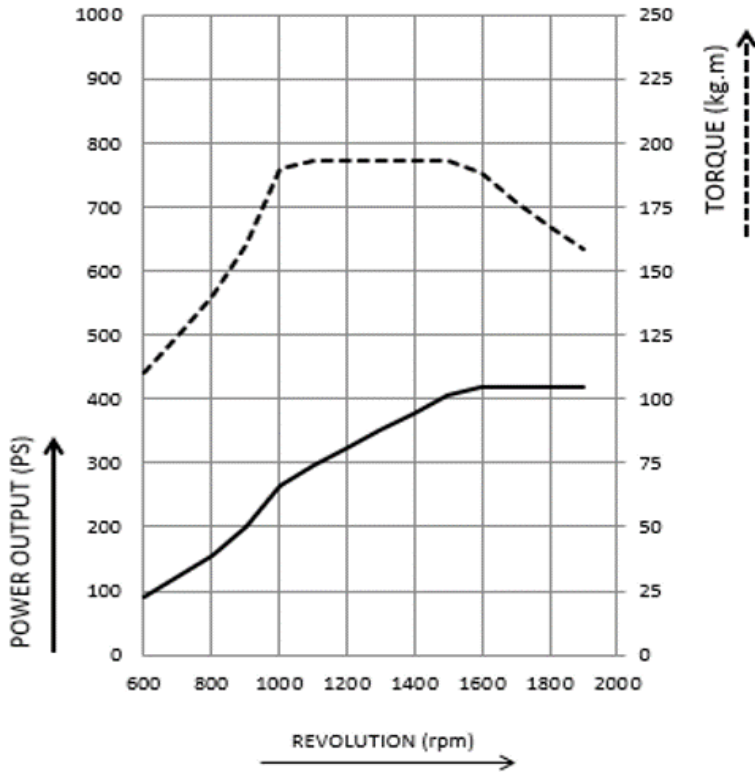
◎ ELECTRICAL SYSTEM

- Starting motor24V x 6kW
- Battery Voltage24V
- Battery Capacity150 AH x 2EA (Recommended)

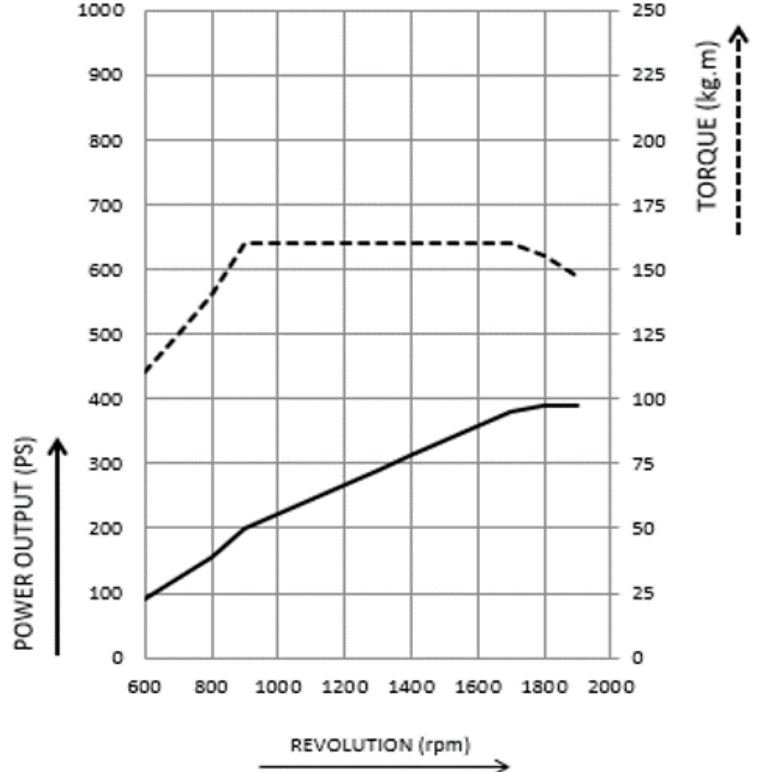


## ◎ PERFORMANCE CURVE

○ 309kW (420PS) / 187kg.m



○ 287kW (390PS) / 160kg.m



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※ Specifications are subject to change without prior notice