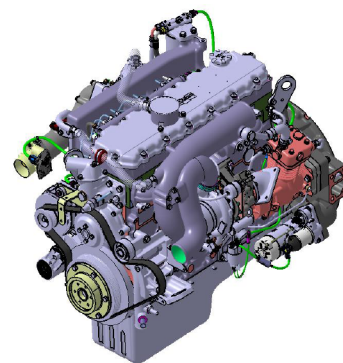


◎ Production Tolerance : ±5%

Intermittent rating kW(HP) / rpm	Max. torque N.m(kg.m) / rpm	Aftertreatment
206 (280) / 2500	1000 (102) / 1400	DOC+DPF+SCR



◎ General Specification

○ Engine Model	DL06P
○ Engine Type	In-line, 4 Cycle, Water Cooled Turbocharged & Intercooled
○ Injection System	Electronic Common Rail
○ Cylinder Type	Replaceable dry liner
○ Number of Cylinders	6
○ Bore x stroke	100 x 125 mm
○ Displacement	5.89L
○ Compression ratio	17.4 : 1
○ Firing order	1-5-3-6-2-4
○ Dry weight	606kg (Engine only)
○ Dimension	1,106 x 827 x 973 mm
○ Rotation	CCW viewed from Flywheel
○ Breather System	OCV (Mesh + Impactor)
○ No Load Max Engine Speed	2,750 +/- 25rpm
○ No Load Min Engine Speed	600 +/- 25rpm
○ Flywheel Housing	SAE2
○ Flywheel Size	17 inch Pull
○ Turbocharger	Waste Gate Valve
○ Air Compressor Capacity	305cc/rev (Single)

◎ Valve System

○ Type	Over Head Valve
○ Number of Valve	Intake 2, Exhaust 2 per Cylinder
○ Valve Lashes at Cold	Intake 0.3mm Exhaust 0.4mm

◎ Fuel System

○ Injection pump	BOSCH CP 3.3
○ Governor	E.C.U (BOSCH, EDC17CV41)
○ Feed pump	GEAR TYPE
○ Injection nozzle	Multi hole Type
○ Fuel filter	Full flow, Cartridge Type
○ Used fuel	Diesel fuel oil (S<0.05%)

◎ Lubrication System

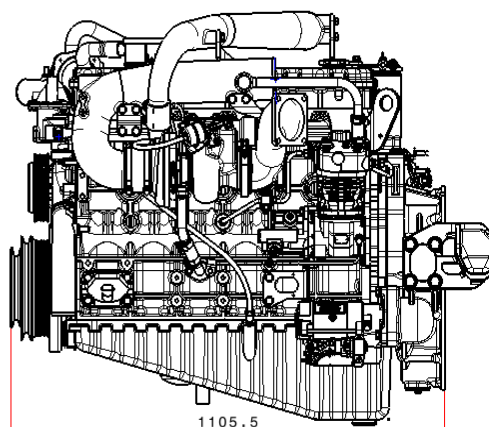
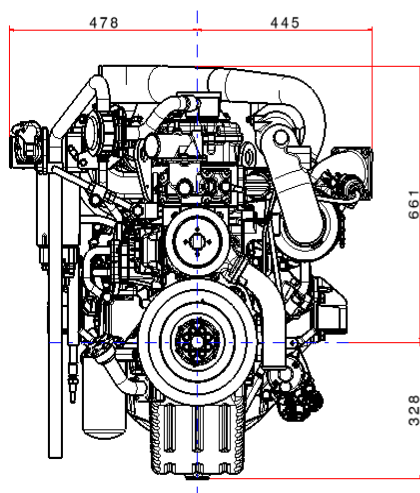
○ Lub. Method	Fully forced pressure feed Type
○ Oil pump	Gear Type driven by crankshaft
○ Oil filter	Full flow, Cartridge Type
○ Oil pan capacity	High level 22 liters Low level 17 liters
○ Lub. Oil	API CJ-4 Grade, 10W30 or 10W40

◎ Cooling System

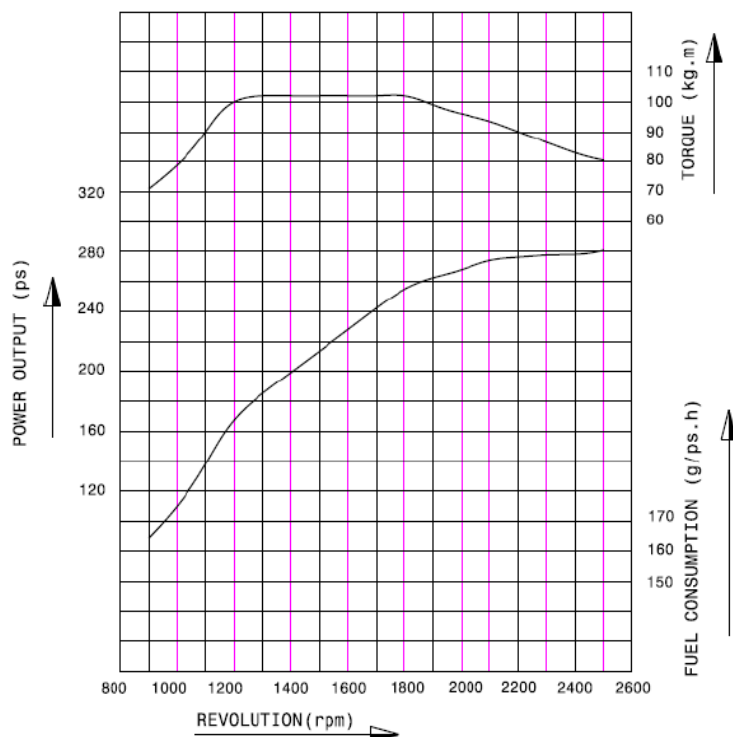
○ Cooling method	Fresh water forced circulation
○ Water capacity	10.6 liters (Engine only)
○ Water pump Capacity	310 liters/min at 2,200rpm
○ Thermostat	Wax – Pellet Type

◎ Electrical System

○ Alternator	N/A (Vehicle Parts)
○ Starting motor	24V x 4.5kW
○ Battery Voltage	24V
○ Battery Capacity	150AH x 2ea (recommended)

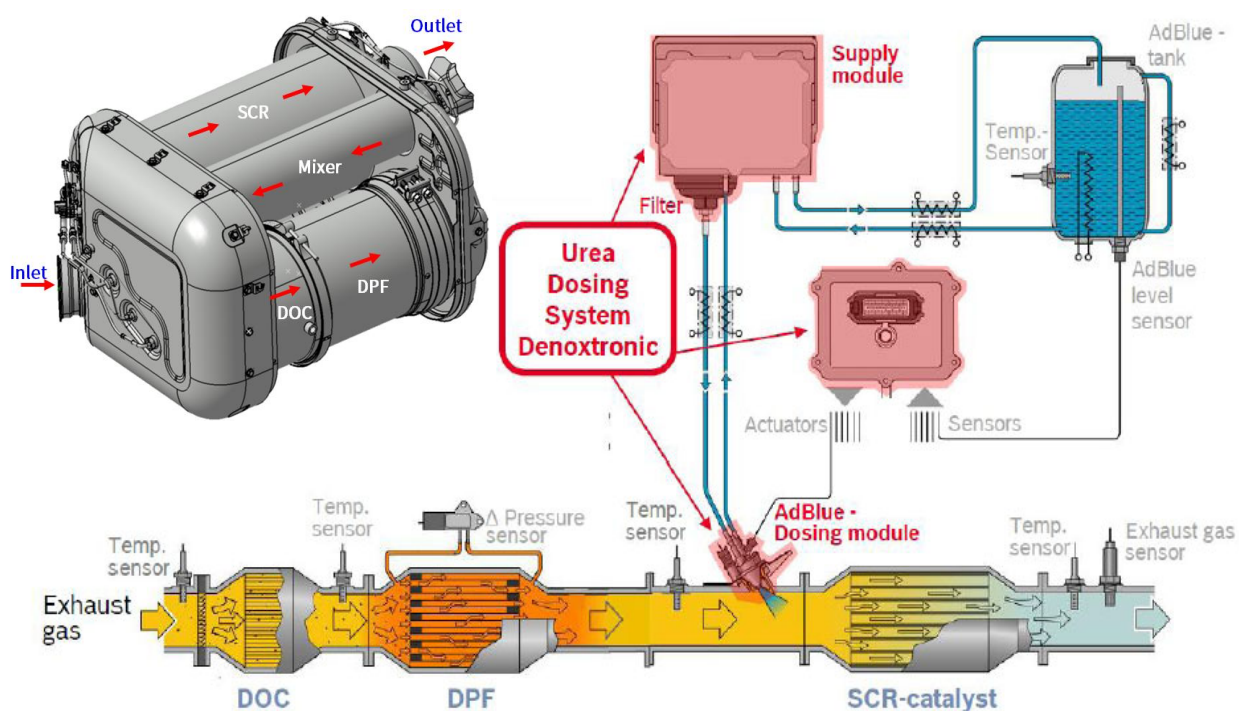


◎ Performance Curve



DL06 280PS	Declared Torque		Declared Power	
	rpm	kgfm Nm	PS	kW
	800	64.0 627.8	71.5	52.6
	1000	79.0 775.0	110.3	81.1
	1200	100.0 981.0	167.6	123.2
	1400	102.0 1000.6	199.4	146.6
	1600	102.0 1000.6	227.9	167.6
	1800	102.0 1000.6	256.4	188.5
	2000	96.0 941.8	268.1	197.2
	2200	90.0 882.9	276.5	203.3
	2400	83.0 814.2	278.1	204.6
	2500	80.5 789.7	281.0	206.7
	2750	1.0 9.8	3.8	2.8

◎ Aftertreatment System



Head office

7-11, Hwasu-dong, Dong-gu
Incheon, 401-020, Korea
TEL: 82 32 211 2903 FAX: 82 32 762 1522

Bundang office

13F, HD Hyundai Group's Global R&D Center
477, Bundangsuseo-ro, Seongnam-si
Gyeonggi-do, Korea (13553)