

SPECIFICATIONS

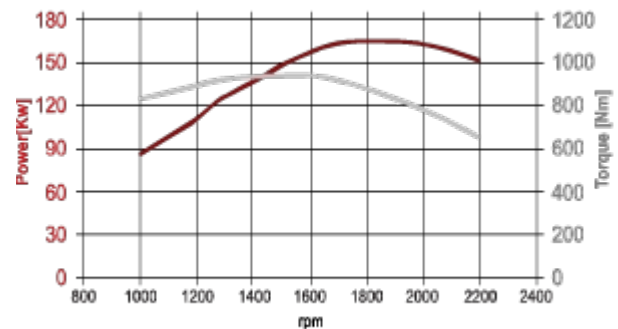
Thermodynamic Cycle	Diesel 4 stroke
Air Handling	TAA
Arrangement	6L
Bore x Stroke (mm)	104 X 132
Total Displacement (l)	6,7
Valves per cylinder (n°)	4
Cooling System	liquid
Direction of Rotation (viewed facing flywheel)	CCW
Compression ratio	17:1 - 18:1
InjectionSystem	ECR

PERFORMANCE

Rated power [*] (kW (HP) @ rpm)	151 (205) @ 2200
Peak power (kW (HP) @ rpm)	165 (224) @ 1800
Peak torque (Nm (kgm) @ rpm)	940 (96) @ 1500
High idle speed (rpm)	-
Low idle speed (rpm)	± -
DEF[**]/AdBlue consumption at peak torque and rated power (% of fuel cons.)	-
Minimum starting temperature without auxiliaries (°C)	-15 °
Oil and oil filter maintenance interval for replacement [***] (hours)	600

STANDARD CONFIGURATION

Flywheel housing (type)	SAE 3 - cast iron
Flywheel size (inch)	11" ½
Intake manifold location	high / left side
Exhaust manifold location	high / right side / middle flange
Turbocharger	WG with exhaust flap
Turbocharger location	high/right side/back exhaust
Fan transmission ratio	1.4 : 1
Distance between fan - crankshaft centers (mm)	X = 0 Y = 296
Fuel filter (n°)	single cartridge-left side
Fuel prefilter	single cartridge-right side
Fuel Pump	By gears, incorporated into the high pressure pump
Oil filter (n°)	single cartridge, front RH side
Oil sump	steel-front sump-elastic-35° limits continuous in all directions
Oil vapours blow-by circuit	coalascent filter mounted on flywheel housing
Oil heat exchanger	oil / water engine cooler
Oil filler	on valve cover-front position
Starter	24V - 4kW
Alternator	24V - 70A
Engine stop device	-
Wiring harness	engine harness connected to ECU
Painting color	grey



WEIGHT AND DIMENSIONS



Dry Weight
(standard configuration without: oil, cooling, clutch, A/C Compressor) = Kg 530

L = 1062 mm
W = 687 mm
H = 1049

NOT INCLUDED IN STANDARD CONFIGURATION

Power Take Off (PTO)	-
PTO - transmission ratio	1.03 : 1
PTO - maximum available torque	SAE A 100Nm - 150Nm SAE B 240Nm
Battery - minimum capacity recommended [*] (Ah)	130Ah (24V)
Battery - minimum cold cranking capacity recommended [*] (A)	500A (24V)

[*] Power at flywheel according to 97/68 EC (without fan), after 50 hours running, 3% tolerance, Fuel Diesel EN 590.

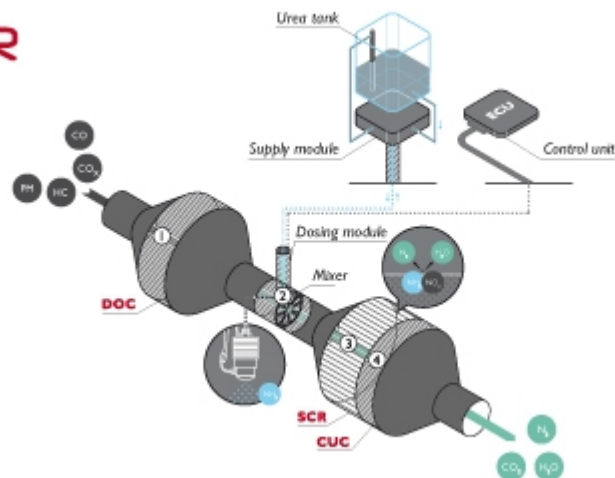
[**] Oil type: Approved engine oil specification: 10W-40 ACEA E9 / API CJ-4 or 5W30 ACEA E6 (ambient temperature below -15 °C (5 °F))

Legend

Arrangement L (in line)	Air Handling TAA (Turbocharged with aftercooler) TC (Turbocharged) NA (Naturally Aspirated)	Turbocharger WG (Wastegate) VGT (Variable Geometry Turbocharger) TST (Twin Stage Turbocharger)	InjectionSystem M (Mechanical): ECR (Electronic Common Rail) EUI (Electronic Unit Injector)	Emission Standard EEV (Enhanced Environmentally friendly Vehicle)	Exhaust System EGR (Exhaust Gas Recirculation) SCR (Selective Catalytic Reduction)
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HI-eSCR



LEGEND

PM Particulate Matter
 HC unburnt Hydrocarbons
 NO_x Nitrogen Oxides
 CO Carbon Monoxide
 N₂ Nitrogen
 CO₂ Carbon Dioxide
 H₂O Water

HI-eSCR

Main components

- 1) Diesel Oxidation Catalyst (DOC)
- 2) AdBlue dosing module/AdBlue mixer
- 3) Selective Catalytic Reduction (SCR)
- 4) Clean Up Catalyst (CUC)

FPT INDUSTRIAL OFFERS THE WIDEST AVAILABILITY OF ENGINE BUILD OPTIONS TO CUSTOMER SPECIFIC REQUIREMENTS WITHIN THE ENGINE SUPPLY. TO FIND OUT MORE ABOUT THE CONFIGURATIONS AND ACCESSORIES WHICH ARE AVAILABLE