

## SPECIFICATIONS

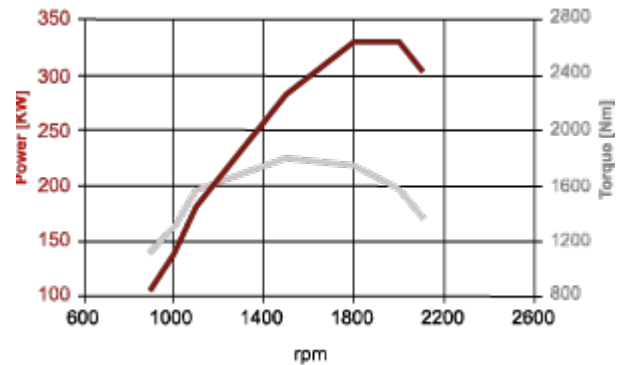
Thermodynamic Cycle	Diesel 4 stroke
Air Handling	TAA
Arrangement	6L
Bore x Stroke (mm)	117 X 135
Total Displacement (l)	8.7
Valves per cylinder (n°)	4
Cooling System	liquid
Direction of Rotation (viewed facing flywheel)	CCW
Compression ratio	15,9 : 1
Injection System	ECR

## PERFORMANCE

Rated power [*] (kW (HP) @ rpm)	305 ( 415 ) @ 2100
Peak power (kW (HP) @ rpm)	330 ( 449 ) @ 2000
Peak torque (Nm (kgm) @ rpm)	1800 ( 183 ) @ 1500
High idle speed (rpm)	2150
Low idle speed (rpm)	± 600
DEF[**]/AdBlue consumption at peak torque and rated power (% of fuel cons.)	8,8
Minimum starting temperature without auxiliaries (°C)	-15 °
Oil and oil filter maintenance interval for replacement [***] (hours)	500

## STANDARD CONFIGURATION

Flywheel housing (type)	SAE 1 - cast iron
Flywheel size (inch)	14"
Intake manifold location	right side
Exhaust manifold location	left side / middle flange
Turbocharger	WG with exhaust flap
Turbocharger location	middle high / left side / back exhaust
Fan transmission ratio	1.37:1
Distance between fan - crankshaft centers (mm)	X = -38 Y = 225
Fuel filter (n°)	single cartridge-rear right side
Oil filter (n°)	single cartridge-rear left side
Oil sump	steel-mid sump-19° limits continuous in all directions
Oil vapours blow-by circuit	centrifugal filter located on gear train cover
Oil heat exchanger	oil / water engine cooler
Oil filler	on valve cover-rear position
Starter	24V - 4.5kW
Alternator	24V - 90A
Engine stop device	-
Wiring harness	engine harness connected to ECU
Painting color	grey



## WEIGHT AND DIMENSIONS



## NOT INCLUDED IN STANDARD CONFIGURATION

Power Take Off (PTO)	-
PTO - transmission ratio	1.2 : 1
PTO - maximum available torque	SAE A 120Nm SAE B 120Nm - 180Nm SAE 2B 180Nm
Battery - minimum capacity recommended [*] (Ah)	180Ah (24V)
Battery - minimum cold cranking capacity recommended [*] (A)	800A (24V)

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

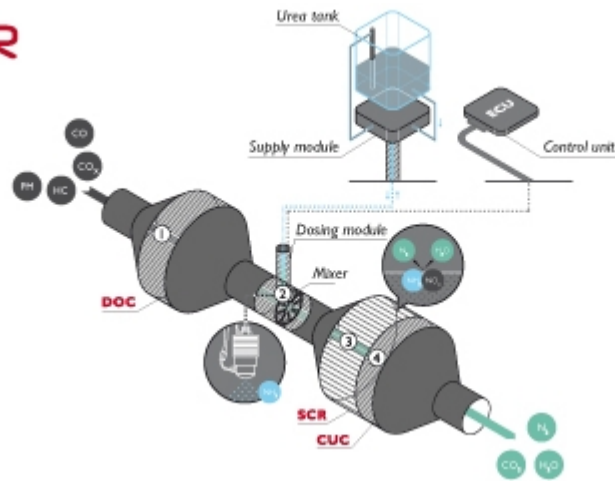
[\*\*] Oil type: Approved engine oil specification: 10W-40 ACEA E9 / API CH-4 or 0W40 (ambient temperature below -15 °C (5 °F))

## Legend

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

FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT INDUSTRIAL SALES NETWORK OR VISIT OUR SITE [WWW.FPTINDUSTRIAL.COM](http://WWW.FPTINDUSTRIAL.COM)

# HI-eSCR



**LEGEND**

- PM Particulate Matter
- HC unburnt Hydrocarbons
- NO<sub>x</sub> Nitrogen Oxides
- CO Carbon Monoxide
- N<sub>2</sub> Nitrogen
- CO<sub>2</sub> Carbon Dioxide
- H<sub>2</sub>O 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