

## SPECIFICATIONS

Thermodynamic Cycle	Diesel 4 stroke
Air Handling	TAA
Arrangement	6L
Bore x Stroke (mm)	135 X 150
Total Displacement (l)	12.9
Valves per cylinder (n°)	4
Cooling System	liquid
Direction of Rotation (viewed facing flywheel)	CCW
Compression ratio	16.5:1
Injection System	ECR

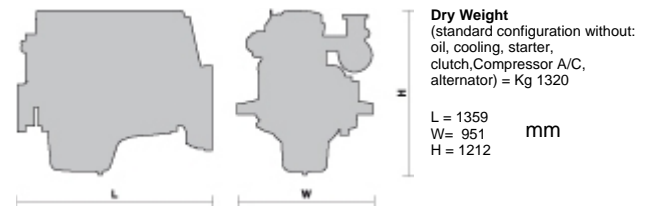
## PERFORMANCE

Rated power [*] (kW (HP) @ rpm)	384 ( 515 ) @ 2100
Peak power (kW (HP) @ rpm)	390 ( 523 ) @ 1900
Peak torque (Nm (kgm) @ rpm)	2258 ( 1665 ) @ 1400
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)	500

## STANDARD CONFIGURATION

Flywheel housing (type)	SAE 1 - aluminium
Flywheel size (inch)	14"
Intake manifold location	middle high / right side / front
Exhaust manifold location	middle high / left side / back
Turbocharger	Waste Gate valve with exhaust flap
Turbocharger location	center / left side
Fan transmission ratio	1.37:1
Distance between fan - crankshaft centers (mm)	X = -20 Y = 225
Fuel filter (n°)	single cartridge - right side
Fuel prefilter	-
Fuel Pump	-
Oil filter (n°)	single cartridge - left side
Oil sump	suspended sheet steel / front sump, 35° angularity limits continuous in all directions
Oil vapours blow-by circuit	close case ventilation
Oil heat exchanger	integrated into the block
Oil filler	on valve cover
Starter	24V - 7.5kW
Alternator	24V - 90A
Engine stop device	by electronic control unit
Wiring harness	interface wiring loom with accessories
Painting color	grey

## WEIGHT AND DIMENSIONS



## NOT INCLUDED IN STANDARD CONFIGURATION

Power Take Off (PTO)	-
PTO - transmission ratio	1.36 : 1
PTO - maximum available torque	SAE A 150Nm (9 teeth - ANSI B92,1) SAE B 150Nm (13 teeth ANSI B92,1) SAE B 200Nm (splined - DIN 5482)
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.

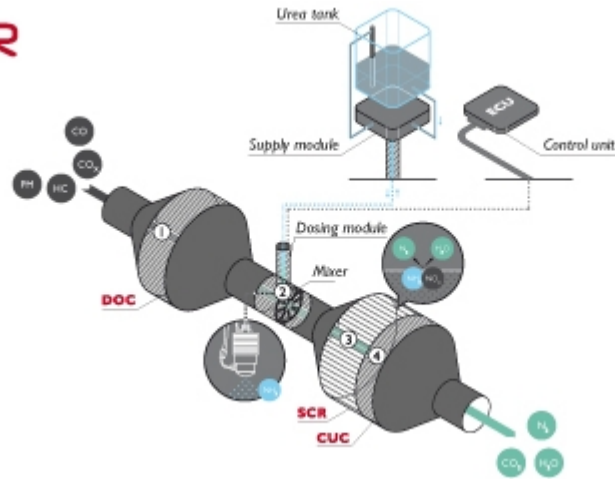
[\*\*] Oil type: Approved engine oil specification: 10W-40 ACEA E9 / API CJ-4 or 5W30 ACEA E6 (ambient temperature below -15 °C)

## 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)
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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

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

**SCR (Selective Catalytic Reduction) system**  
Main components

- 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

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