

## SPECIFICATIONS

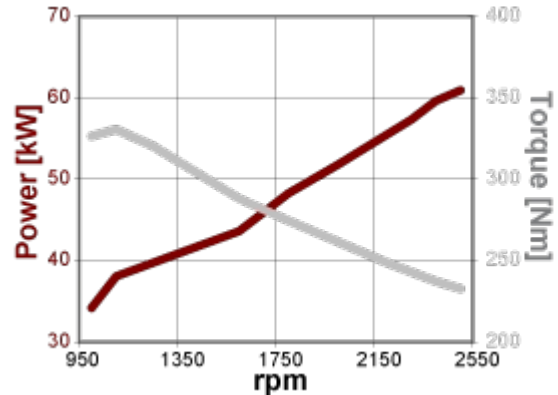
Thermodynamic Cycle	Diesel 4 stroke
Air Handling	TC
Arrangement	4L
Bore x Stroke (mm)	99 X 104
Total Displacement (l)	3.2
Valves per cylinder (n°)	2
Cooling System	liquid
Direction of Rotation (viewed facing flywheel)	CCW
Compression ratio	17 : 1
Injection System	M

## PERFORMANCE

Rated power [*] (kW (HP) @ rpm)	61 ( 83 ) @ 2500
Peak torque (Nm (kgm) @ rpm)	320 ( 33 ) @ 1250
High idle speed (rpm)	2700
Low idle speed (rpm)	± 850
Minimum starting temperature without auxiliaries (°C)	-12 °
Oil and oil filter maintenance interval for replacement [***] (hours)	600

## STANDARD CONFIGURATION

Flywheel housing (type)	SAE 3 - cast iron
Flywheel size (inch)	10"
Intake manifold location	frontwards
Exhaust manifold location	right side / rear
Turbocharger	fixed geometry
Turbocharger location	front high / right side
Fan transmission ratio	1.1 : 1
Distance between fan - crankshaft centers (mm)	X = 0 Y = 296
Fuel filter (n°)	single cartridge - left side
Fuel prefilter	-
Fuel Pump	-
Oil filter (n°)	single cartridge - left side
Oil sump	sheet steel / central sump
Oil vapours blow-by circuit	on valve cover
Oil heat exchanger	incorporated built in the crankcase
Oil filler	on valve cover
Lift pump	-
Starter	12 V - 3 kW
Alternator	12 V - 90 A with W contact
Engine stop device	incorporated in the pump
Wiring harness	sectioning connector on engine wiring for EGR control unit
Painting color	grey RAL 7021



## WEIGHT AND DIMENSIONS



## NOT INCLUDED IN STANDARD CONFIGURATION

Power Take Off (PTO)	-
PTO - transmission ratio	1.08 : 1
PTO - maximum available torque	DIN 4 / SAE B 140 Nm
Battery - minimum capacity recommended [*] (Ah)	180 Ah (12 V)
Battery - minimum cold cranking capacity recommended [*] (A)	950 A (12 V)

[\*] E-EGR: External Exhaust Gas Recirculation  
 [\*\*] Oil type: ACEA E3 - E5.

## 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)



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

[www.fptindustrial.com](http://www.fptindustrial.com)

