

SPECIFICATIONS

Thermodynamic Cycle	Diesel 4 stroke
Air Handling	TAA
Arrangement	4L
Bore x Stroke (mm)	104 X 132
Total Displacement (l)	4.5
Valves per cylinder (n°)	2
Cooling System	liquid
Direction of Rotation (viewed facing flywheel)	CCW
Compression ratio	17.5:1
Injection System	M

PERFORMANCE

Rated power [*] (kW (HP) @ rpm)	82 (111) @ 2200
Peak power (kW (HP) @ rpm)	-
Peak torque (Nm (kgm) @ rpm)	480 (49) @ 1400
High idle speed (rpm)	950
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 3
Flywheel size (inch)	10
Intake manifold location	left side/frontward inlet
Exhaust manifold location	right side/frontward outlet
Turbocharger	waste gate controlled
Turbocharger location	high/ right side
Fan transmission ratio	1.41:1
Distance between fan - crankshaft centers (mm)	X = 0 Y = 296
Fuel filter (n°)	1- left side
Fuel prefilter	-
Fuel Pump	-
Oil filter (n°)	1-right side
Oil sump	sheet steel- front well
Oil vapours blow-by circuit	on timing cover
Oil heat exchanger	built in the crankcase
Oil filler	-
Starter	12V- 3kW
Alternator	12V- 90A with W contact
Hydraulic steering pump (liters/min)	-
Maximum torque available from crankshaft pulley (Nm)	-
Engine stop device	electrical excitation
Wiring harness	-
Painting color	grey

WEIGHT AND DIMENSIONS



NOT INCLUDED IN STANDARD CONFIGURATION

Power Take Off (PTO)	-
PTO - transmission ratio	1.03:1
PTO - maximum available torque	SAE A 100Nm (9teeth)- 150Nm (11 teeth) SAE B 240Nm (13 teeth)
Battery - minimum capacity recommended [*] (Ah)	180 (12V)
Battery - minimum cold cranking capacity recommended [*] (A)	950 (12V)

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 Turbocharge)	Injection System 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)
-----------------------------------	---	---	--	---	---

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



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

