

SPECIFICATIONS

Thermodynamic Cycle	Diesel 4 stroke
Air Handling	TAA
Arrangement	6L
Bore x Stroke (mm)	115 X 125
Total Displacement (l)	7.8
Valves per cylinder (n°)	4
Cooling System	liquid
Direction of Rotation (viewed facing flywheel)	CCW
Compression ratio	16:1
Injection System	DI

PERFORMANCE

Rated power [*] (kW (HP) @ rpm)	220 (300) @ 2200
Peak power (kW (HP) @ rpm)	220 (300) @ 2200
Peak torque (Nm (kgm) @ rpm)	1250 (127) @ 1200
High idle speed (rpm)	2400
Low idle speed (rpm)	± 600
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 1
Flywheel size (inch)	14"
Intake manifold location	right side / frontward inlet
Exhaust manifold location	left side / backward outlet
Turbocharger	waste gate controlled
Turbocharger location	left side
Fan transmission ratio	1.03:1
Distance between fan - crankshaft centers (mm)	X = 0 Y = 250
Fuel filter (n°)	1 - right side
Fuel prefilter	-
Fuel Pump	-
Oil filter (n°)	1 - left side
Oil sump	sheet steel / front well
Oil vapours blow-by circuit	close crankcase ventilation
Oil heat exchanger	built in the crankcase
Oil filler	on rocker cover
Starter	24V -4.5kW
Alternator	24V -90A
Hydraulic steering pump (liters/min)	-
Maximum torque available from crankshaft pulley (Nm)	-
Engine stop device	by electronic central unit
Wiring harness	interface wiring loom with accessories
Painting color	grey RAL 7021

WEIGHT AND DIMENSIONS

Dry Weight
(standard configuration) = Kg
675

L = -
W = - mm
H = -

NOT INCLUDED IN STANDARD CONFIGURATION

Power Take Off (PTO)	-
PTO - transmission ratio	1.13:1
PTO - maximum available torque	SAE A 120Nm (9 teeth)
	SAE B 120Nm (13 teeth)
	-
Battery - minimum capacity recommended [*] (Ah)	180 Ah (24V)
Battery - minimum cold cranking capacity recommended [*] (A)	800 A (24V)

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

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)
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