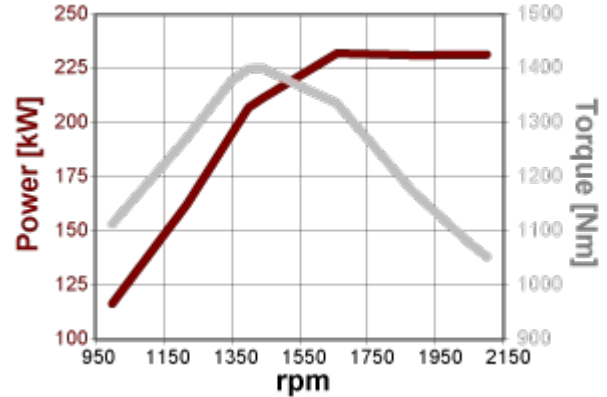


SPECIFICATIONS

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	16:1
Injection System	ECR

PERFORMANCE

Rated power [*] (kW (HP) @ rpm)	230 (313) @ 2100
Peak torque (Nm (kgm) @ rpm)	1400 (143) @ 1400
High idle speed (rpm)	2300
Low idle speed (rpm)	± 800
Minimum starting temperature without auxiliaries (°C)	-15 °
Oil and oil filter maintenance interval for replacement [***] (hours)	600



STANDARD CONFIGURATION

Flywheel housing (type)	SAE 1 - aluminium
Flywheel size (inch)	14"
Intake manifold location	right side / outwards
Exhaust manifold location	-
Turbocharger	fixed geometry
Turbocharger location	middle / 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	included, supplied loose
Fuel Pump	high pressure pump (H.P.P.)
Oil filter (n°)	ecological cartridge - left side
Oil sump	suspended sheet steel / central slump
Oil vapours blow-by circuit	close case ventilation
Oil heat exchanger	incorporated into the block
Oil filler	on valve cover
Lift pump	-
Starter	24V - 4.5kW
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	1.1:1
PTO - maximum available torque	SAE A 120 Nm (9 teeth ANSI B92,1) SAE B 120 Nm (13 teeth ANSI B92,1) - 180 Nm (grooved DIN 5482) SAE 2B 180 Nm (15 teeth ANSI B92,1)
Battery - minimum capacity recommended [*] (Ah)	180Ah (24V)
Battery - minimum cold cranking capacity recommended [*] (A)	800A (24V)

[*] Power at flywheel according to 2004/26 EC (without fan), after 50 hours running, 3% tolerance, fuel Diesel EN 590.
[**] Oil type: ACEA E3 - E5.

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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