

SPECIFICATIONS

Thermodynamic cycle	Diesel 4 stroke	
Air Handling	TCA	
Bore x Stroke	millimeters	135 x 150
Total displacement	liters	12.9
Valves per cylinder	number	4
Cooling System	liquid	
Direction of Rotation (viewed facing flywheel)	CCW	
Compression ratio	15.5:1	
Injection System	ECR	

EGR -

PERFORMANCES

Rated power [*]	kW (HP) @ rpm	500 (670) @ 2100
Peak torque	Nm (kgm) @ rpm	2990 (-) @ -
High idle speed	rpm	-
Low idle speed	rpm	±
Minimum starting temperature without auxiliaries	°C	-15°
Oil and oil filter maintenance interval for replacement	hours	600

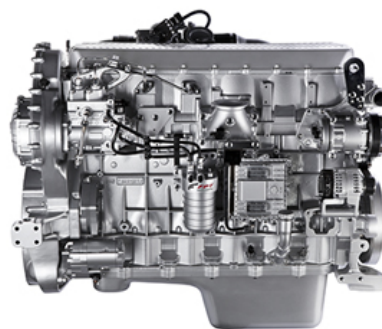
STANDARD CONFIGURATION

Flywheel housing	type	SAE 1 - aluminium
Flywheel size	inch	14"
Intake manifold location	middle high / right side / front	
Exhaust manifold location	middle high / left side / back	
Turbocharger	Two Stage Turbocharger	
Turbocharger location	center / left side	
Fan transmission ratio	1.37:1	
Distance between fan - crankshaft centers	millimeters	X=-20 Y=225
Fuel filter	number	single cartridge - right side
Fuel prefilter	-	
Fuel Pump	-	
Oil filter	number	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	incorporated into the block	
Oil filler	on valve cover	
Alternator	24 V - 90 A	
Hydraulic steering pump	-	
Wiring harness	interface wiring loom with accessories	
Painting color	grey	
Starter	24V - 5.5kW	
Maximum torque available from crankshaft pulley	Nm	-
Engine stop device	by electronic control unit	

WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	8 x 1030 x 1285
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DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

POWER & TORQUE

NOT INCLUDED IN STANDARD CONFIGURATION

Power Take Off (PTO)	-	
PTO - transmission ratio	-	
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	180 Ah (24 V)
Battery - minimum cold cranking capacity recommended	Ah	24 V - 800 Ah

LEGEND

Arrangement	Air Handling	Turbocharger	Injection System	Exhaust System
L (in line)	TCA (Turbocharged with aftercooler)	WG (Wastegate)	M (Mechanical)	EGR (Exhaust Gas Recirculation)
V (90° "V" configuration)	TC (Turbocharged)	VGT (Variable Geometry Turbocharger)	ECR (Electronic Common Rail)	SCR (Selective Catalytic Reduction)
	NA (Naturally Aspirated)	TST (Twin Stage Turbocharge)	EUI (Electronic Unit Injector)	
			MPI (Multi Point Injection)	

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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE



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