

SPECIFICATIONS

Thermodynamic Cycle	Diesel 4 stroke	
Air Handling	TCA	
Bore x Stroke	millimeters	117 x 144
Total Displacement	liters	11.1
Valves per cylinder	number	4
Cooling System	liquid	
Direction of Rotation	viewed facing flywheel	CCW
Compression ratio	16.5:1	
Injection System	ECR	
Arrangement	6L	

PERFORMANCES

Peak power	kW (HP) @ rpm	309 (420) @ 1900
Peak torque	Nm (kgm) @ rpm	1900 (204) @ 1050
High idle speed	rpm	2320
Low idle speed	rpm	±550
Minimum starting temperature without auxiliaries	°C	-15°
Oil and oil filter maintenance interval for replacement	kilometer	-

STANDARD CONFIGURATION

Flywheel housing	type	SAE 1 - aluminium
Flywheel size	inch	17"
Intake manifold location	middle high / right side	
Exhaust manifold location	middle high / left side / back	
Turbocharger	electronic Variable Geometry Turbocharger	
Turbocharger location	center / left side	
Fan transmission ratio	1.12:1	
Distance between fan - crankshaft centers	millimeters	X=-20 Y=225
Fuel filter	number	single cartridge - left side
Oil filter	number	single cartridge - right side
Oil sump	suspended sheet steel /front sump	
Oil vapours blow-by circuit	close case ventilation	
Oil heat exchanger	integrated into the block	
Oil filler	on valve cover	
Starter	24V - 5.5kW	
Alternator	24 V - 90 A	
Engine stop device	by electronic control unit	
Wiring harness	interface wiring loom with accessories	
Painting color	grey	
Air compressor	352 - 630	
Hydraulic steering pump	liters-minute	16 - 20 - 25
Maximum torque available from crankshaft pulley	newton-meter	800.000

WEIGHT AND DIMENSIONS

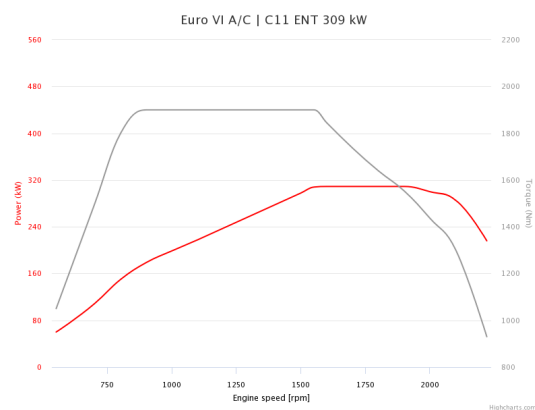
Dimensions	LxWxH (mm)	285 x 1035 x 1149
Dry Weight	Kg	1220

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	1.14:1	
PTO - maximum available torque	front 800Nm on flywheel housing 800Nm -	
Battery - minimum capacity recommended	Ah	355 Ah (24 V)
Battery - minimum cold cranking capacity recommended	Ah	24 V - 511 Ah

LEGEND

Arrangement	Air Handling	Turbocharger	Injection System	Emission standard	Exhaust System
L (in line)	TCA (Turbocharged with aftercooler)	WG (Wastegate)	M (Mechanical)	EEV (Enhanced Environmentally friendly Vehicle)	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



AFTER TREATMENT SYSTEM

HI-eSCR After Treatment System includes Diesel Oxidation Catalyst (DOC), Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR) and Clean-Up Catalyst (CUC)

ON ROAD

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)
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