

SPECIFICATIONS

Thermodynamic Cycle	Diesel 4 stroke	
Air Handling	TCA	
Bore x Stroke	millimeters	104 x 132
Total Displacement	liters	4.5
Valves per cylinder	number	4
Cooling System	liquid	
Direction of Rotation	viewed facing flywheel	CCW
Compression ratio	17:1	
Injection System	ECR	
Arrangement	4L	

PERFORMANCES

Peak power	kW (HP) @ rpm	137 (186) @ 2500
Peak torque	Nm (kgm) @ rpm	680 (59) @ 1250
High idle speed	rpm	3000
Low idle speed	rpm	±650
Minimum starting temperature without auxiliaries	°C	-15°
Oil and oil filter maintenance interval for replacement	kilometer	-

STANDARD CONFIGURATION

Flywheel housing	type	SAE 1 - SAE 2
Flywheel size	inch	n.a.
Intake manifold location	middle high / left side	
Exhaust manifold location	middle high / right side / back	
Turbocharger	Fixed Geometry with Waste Gate valve	
Turbocharger location	back / right side	
Fan transmission ratio	1.4:1	
Distance between fan - crankshaft centers	millimeters	X=0 Y=0
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 - 4kW	
Alternator	24V - 90A	
Engine stop device	by electronic control unit	
Wiring harness	interface wiring loom with accessories	
Painting color	grey	
Air compressor	-	
Hydraulic steering pump	liters-minute	-
Maximum torque available from crankshaft pulley	newton-meter	400.000

WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	816 x 687 x 1049
Dry Weight	Kg	400

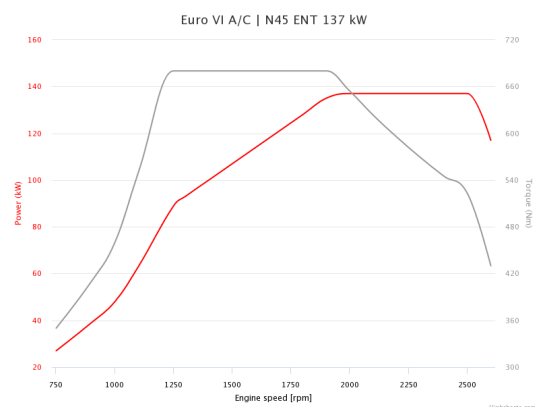
DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



ON ROAD

IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

POWER & TORQUE



NOT INCLUDED IN STANDARD CONFIGURATION

Power Take Off (PTO)	-	
PTO - transmission ratio	n.a.	
PTO - maximum available torque	SAE A 400Nm - -	
Battery - minimum capacity recommended	Ah	130 Ah (24 V)
Battery - minimum cold cranking capacity recommended	Ah	24 V - 800 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

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