

SPECIFICATIONS

Thermodynamic cycle	Diesel 4 stroke	
Air Handling	TCA	
Bore x Stroke	millimeters	13.5 x 150
Total displacement	liters	12.9
Valves per cylinder	number	4
Cooling System	liquid	
Direction of Rotation (viewed facing flywheel)	CCW	
Compression ratio	16.5:1	
Injection System	EUI	

EGR	-	
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PERFORMANCES

Rated power [*]	kW (HP) @ rpm	350 (476) @ 2100
Peak torque	Nm (kgm) @ rpm	2140 (218) @ -
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 / frontwards	
Exhaust manifold location	middle high / left side/ backwards	
Turbocharger	Fixed Geometry Turbo	
Turbocharger location	middle / left side	
Fan transmission ratio	1.36:1	
Distance between fan - crankshaft centers	millimeters	X=0 Y=225
Fuel filter	number	single cartridge - right side
Fuel prefilter	included, supplied loose	
Fuel Pump	high pressure pump (H.P.P.)	
Oil filter	number	dual cartridge - left side
Oil sump	suspended sheet steel / front sump	

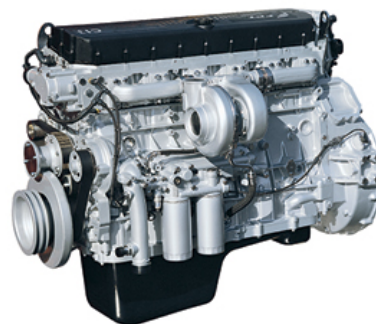
Oil vapours blow-by circuit	close case ventilation	
Oil heat exchanger	incorporated into the block	
Oil filler	on valve cover	
Alternator	24 V - 90 A	
Hydraulic steering pump	-	
Wiring harness	interface wiring loom with accessories	
Painting color	grey	

Starter	24 V - 5.5 kW	
Maximum torque available from crankshaft pulley	Nm	-
Engine stop device	by electronic control unit	

WEIGHT AND DIMENSIONS

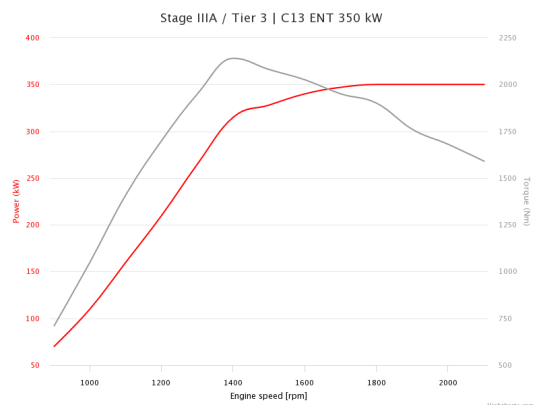
Dimensions	LxWxH (mm)	55 x 865 x 1130
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DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

POWER & TORQUE



NOT INCLUDED IN STANDARD CONFIGURATION

Power Take Off (PTO)	-	
PTO - transmission ratio	1.36:1	
PTO - maximum available torque	SAE A 150 Nm (9 teeth ANSI B92,1) SAE B 150 Nm (13 teeth ANSI B92,1) SAE B 200 Nm (grooved 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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