

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	325 (442) @ 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	

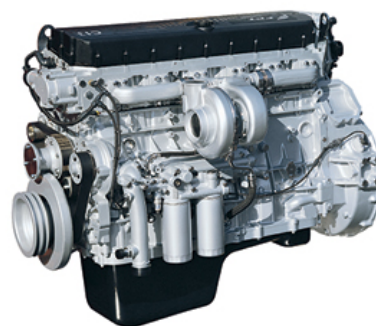
Oil vapours blow-by circuit	close case ventilation	
Oil heat exchanger	incorporated into the block	
Oil filler	on valve cover	
Alternator	24 V - 90 A	
Hydraulic steering pump	-	
Wiring harness	interface wiring loom with accessories	
Painting color	grey	

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

WEIGHT AND DIMENSIONS

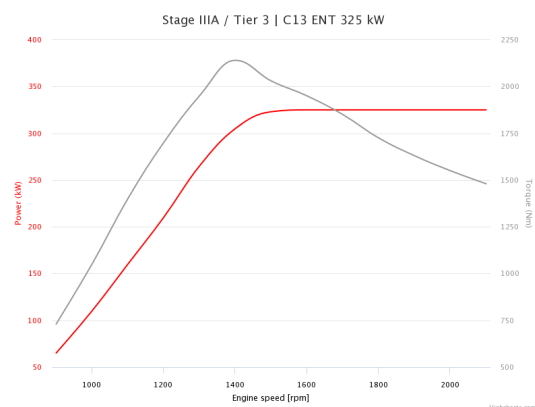
Dimensions	LxWxH (mm)	55 x 865 x 1130
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DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



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)	

FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT INDUSTRIAL SALES NETWORK OR VISIT OUR SITE WWW.FPTINDUSTRIAL.COM

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