

SPECIFICATIONS

Thermodynamic Cycle	Diesel 4 stroke
Air Handling	TC
Arrangement	4L
Bore x Stroke	millimeters 104 x 132
Total displacement	liters 4.5
Valves per cylinder	number 2
Cooling System	liquid
Direction of Rotation (viewed facing flywheel)	CCW
Compression ratio	17.5:1
Injection System	M
EGR	-

PERFORMANCES

Rated power [*]	kW (HP) @ rpm	66 (90) @ 2200
Peak torque	Nm (kgm) @ rpm	400 (41) @ 1250
High idle speed	rpm	2430
Low idle speed	rpm	800
Minimum starting temperature without auxiliaries	°C	-15°
Oil and oil filter maintenance interval for replacement	hours	600

STANDARD CONFIGURATION

Flywheel housing	type	SAE 3 - (wide / narrow) - cast iron
Flywheel size	inch	11" ½
Intake manifold location		rearwards
Exhaust manifold location		middle high / right side / frontwards
Turbocharger		Fixed Geometry Turbo
Turbocharger location		middle / right side
Fan transmission ratio		1.4:1
Distance between fan - crankshaft centers	millimeters	X=0 Y=296
Fuel filter	number	single cartridge - left side
Fuel prefilter		optional
Fuel Pump		mechanical rotary pump
Oil filter	number	single cartridge - right side
Oil sump		sheet steel / front sump, 35° angularity limits continuous in all directions
Oil vapours blow-by circuit		timing cover
Oil heat exchanger		incorporated into the block
Oil filler		on valve cover
Starter		12 V - 3 kW
Alternator		12 V - 90 A with W contact
Engine stop device		incorporated in the pump
Wiring harness		-
Painting color		grey
Lift Pump		mechanical - left side
Hydraulic steering pump	liters/min	-
Maximum torque available from crankshaft pulley	Nm	-

WEIGHT AND DIMENSIONS

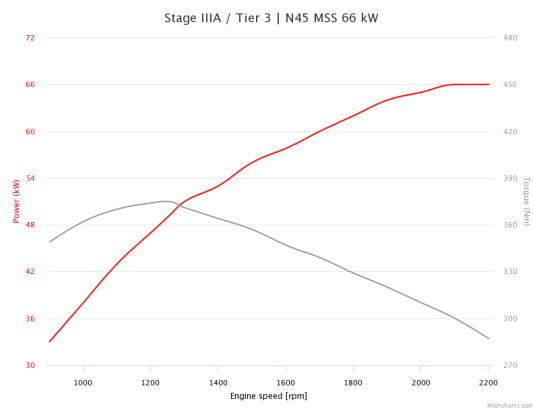
Dimensions	LxWxH (mm)	807 x 587 x 983
Dry Weight	Kg	390

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	1.03:1
PTO - maximum available torque	- 150 Nm (11 teeth) SAE B 240 Nm (13 teeth) -
Battery - minimum capacity recommended	Ah 180 Ah (12 V)
Battery - minimum cold cranking capacity recommended	Ah 12 V - 950 Ah

LEGEND

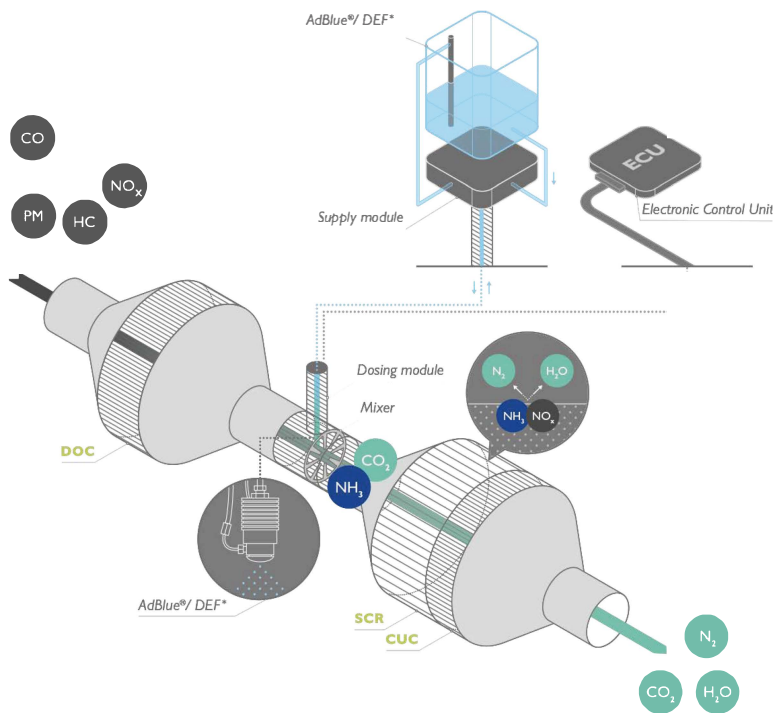
Arrangement	Air Handling	Turbocharger	Injection System	Exhaust System
L (in line)	TCA (Turbocharged with aftercooler)	WG (Wastegate)	M (Mechanical)	EGR (Exhaust Gas Recirculation)
V (90° "V" configuration)	TC (Turbocharged)	VGT (Variable Geometry Turbocharger)	ECR (Electronic Common Rail)	SCR (Selective 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

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE



AFTER TREATMENT SYSTEM



ELEMENT

- 1 DIESEL OXIDATION CATALYST
- 2 ADBLUE® / DEF INJECTION
- 3 SELECTIVE CATALYTIC REDUCTION ON FILTER
- 4 CLEAN-UP CATALYST

LEGEND

PM Particulate Matter
HC unburnt Hydrocarbons
NO_x Nitrogen Oxides
CO Carbon Monoxide
N₂ Nitrogen
CO₂ Carbon Dioxide
H₂O Water
AdBlue®/ DEF = CO(NH₂) + H₂O

AGRICULTURAL

LEGEND

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