

SPECIFICATIONS

Thermodynamic Cycle		Diesel 4 stroke
Air Handling		TCA
Arrangement		4L
Bore x Stroke	millimeters	99 x 104
Total displacement	liters	3.2
Valves per cylinder	number	2
Cooling System		liquid
Direction of Rotation (viewed facing flywheel)		CCW
Compression ratio		17:1
Injection System		M
EGR		-

PERFORMANCES

Rated power [*]	kW (HP) @ rpm	53 (72) @ 2300
Peak torque	Nm (kgm) @ rpm	277 (28) @ 1250
High idle speed	rpm	2500
Low idle speed	rpm	850
Minimum starting temperature without auxiliaries	°C	-12°
Oil and oil filter maintenance interval for replacement	hours	600

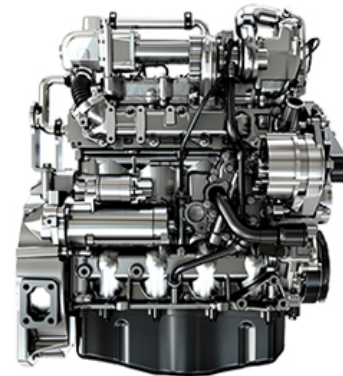
STANDARD CONFIGURATION

Flywheel housing	type	n.a.
Flywheel size	inch	n.a.
Intake manifold location		frontwards
Exhaust manifold location		right side / rear
Turbocharger		Fixed Geometry Turbo
Turbocharger location		front high / right side
Fan transmission ratio		1.1:1
Distance between fan - crankshaft centers	millimeters	X=0 Y=280
Fuel filter	number	single cartridge - left side
Fuel prefilter		optional
Fuel Pump		mechanical rotary pump
Oil filter	number	single cartridge - left side
Oil sump		structural cast iron / 35° angular limits in all directions
Oil vapours blow-by circuit		on valve cover
Oil heat exchanger		incorporated into the block
Oil filler		on valve cover
Starter		12 V - 3 kW
Alternator		12 V - 65 A with W contact
Engine stop device		incorporated in the pump
Wiring harness		-
Painting color		grey
Lift Pump		-
Hydraulic steering pump	liters/min	-
Maximum torque available from crankshaft pulley	Nm	-

WEIGHT AND DIMENSIONS

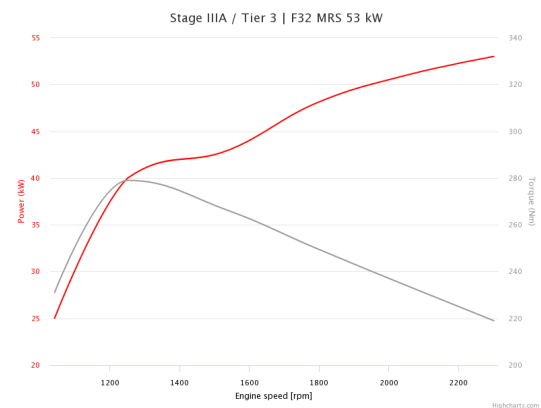
Dimensions	LxWxH (mm)	689 x 591 x 831
Dry Weight	Kg	380

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		1.09:1
PTO - maximum available torque		DIN 4 / SAE B Max 150 Nm - -
Battery - minimum capacity recommended	Ah	180 Ah (12 V)
Battery - minimum cold cranking capacity recommended	Ah	12 V - 950 Ah

LEGEND

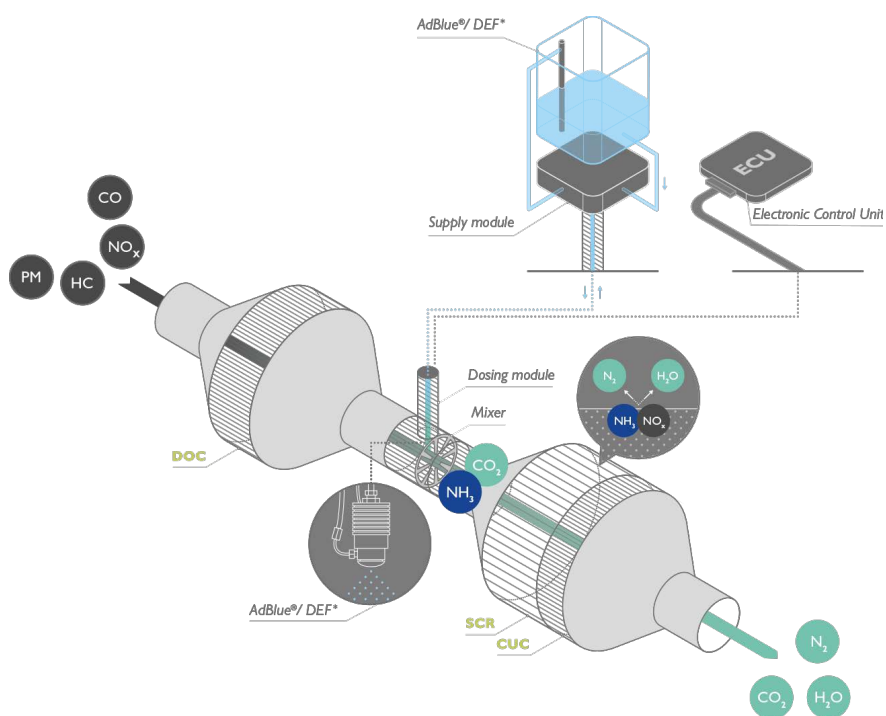
Arrangement	Air Handling	Turbocharger	Injection System	Exhaust System
L (in line)	TCA (Turbocharged with aftercooler)	WG (Wastegate)	M (Mechanical)	EGR (Exhaust Gas Recirculation)
V (90° "V" configuration)	TC (Turbocharged)	VGT (Variable Geometry Turbocharger)	ECR (Electronic Common Rail)	SCR (Selective 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)₂ + H₂O

AGRICULTURAL

LEGEND

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