

SPECIFICATIONS

Thermodynamic Cycle		Diesel 4 stroke
Air Handling		TC
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	59 (80) @ 2300
Peak torque	Nm (kgm) @ rpm	310 (32) @ 1400
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

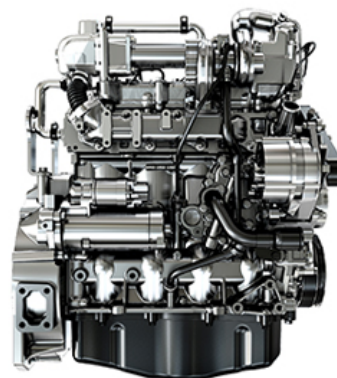
STANDARD CONFIGURATION

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

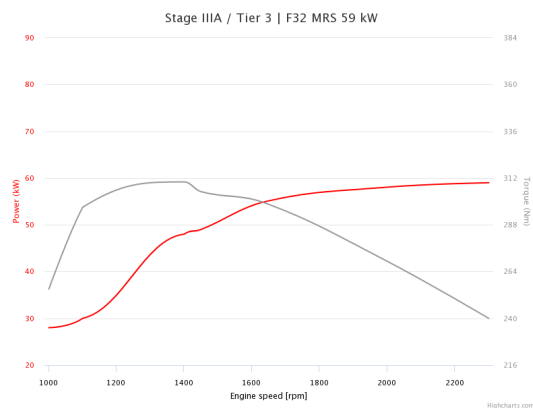
Dimensions	LxWxH (mm)	689 x 591 x 831
Dry Weight	Kg	380

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

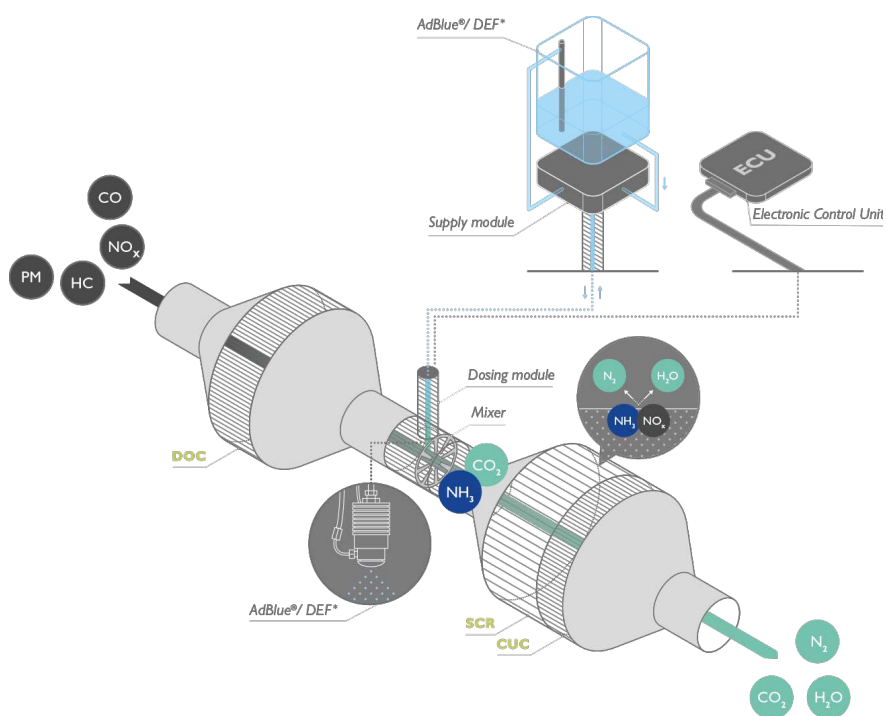
Arrangement	Air Handling	Turbocharger	Injection System	Exhaust System
L (in line)	TCA (Turbocharged with aftercooler)	WG (Wastegate)	M (Mechanical)	EGR (Exhaust Gas Recirculation)
V (90° "V" configuration)	TC (Turbocharged) NA (Naturally Aspirated)	VGT (Variable Geometry Turbocharger) TST (Twin Stage Turbocharge)	ECR (Electronic Common Rail) EUI (Electronic Unit Injector) MPI (Multi Point Injection)	SCR (Selective Catalytic Reduction)

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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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