Agriculture
Agricultural
F5

F32 MNS
61 kW (83 HP) @ 2500 rpm
Stage IIIA / Tier 3

AGRICULTURAL

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		61 (83) @ 2500
Peak torque	Nm (kgm) @ rpm		320 (33) @ 1250
High idle speed	rpm		2700
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	SAE 3 - cast iron
Flywheel size	inch	10"
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=296
Fuel filter	number	single cartridge - left side
Fuel prefilter		optional
Fuel Pump		mechanical rotary pump
Oil filter	number	single cartridge - left side
Oil sump		sheet steel / front sump / 35° angular limits in all directions
Oil vapours blow-by circuit		on valve cover
Oil heat exchanger		incorporated built in the crankcase
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		ıector on engine wiring for EGR control unit
Painting color		grey RAL 7021
Lift Pump		-
Hydraulic steering pump	liters/min	-
Maximum torque available from crankshaft pulley	Nm	-

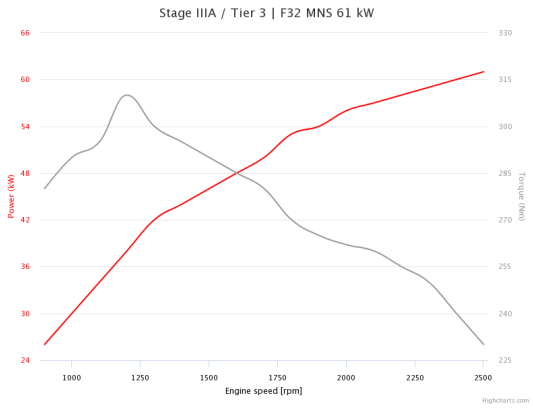
WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	710 x 591 x 778
Dry Weight	Kg	340

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 140 Nm - -
Battery - minimum capacity recommended	Ah	180 Ah (12 V)
Battery - minimum cold cranking capacity recommended	Ah	12 V - 950 Ah

LEGEND

Arrangement
- L (in line)
- V (90° "V" configuration)

Air Handling
- TCA (Turbocharged with aftercooler)
- TC (Turbocharged)
- NA (Naturally Aspirated)

Turbocharger
- WG (Wastegate)
- VGT (Variable Geometry Turbocharger)
- TST (Twin Stage Turbocharge)

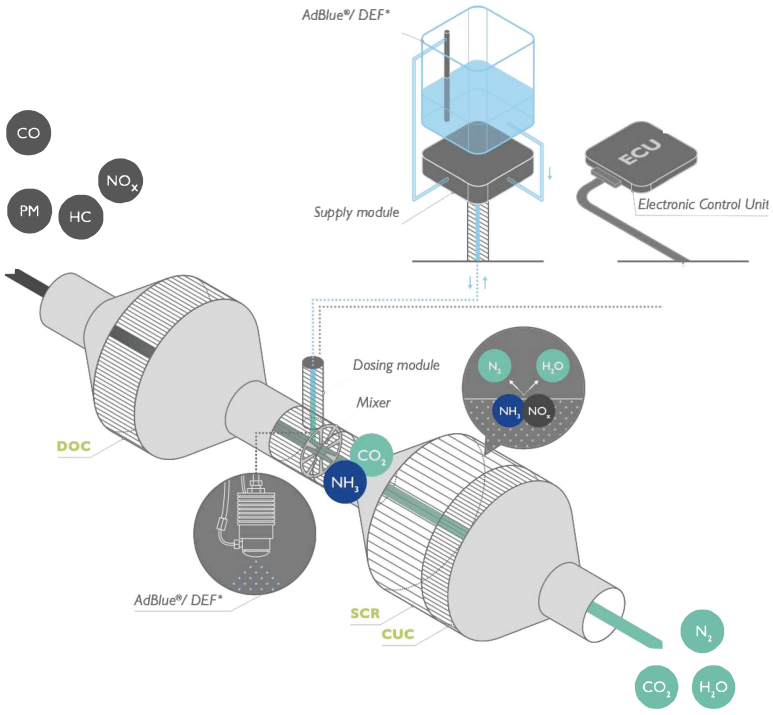
Injection System
- M (Mechanical)
- ECR (Electronic Common Rail)
- EUI (Electronic Unit Injector)
- MPI (Multi Point Injection)

Exhaust System
- EGR (Exhaust Gas Recirculation)
- SCR (Selective Catalytic Reduction)

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

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
N_2 Nitrogen
CO_2 Carbon Dioxide
H_2O Water
AdBlue®/ DEF = $CO(NH_2)+ H_2O$

AGRICULTURAL

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)		EUI (Electronic Unit Injector)	
		TST (Twin Stage Turbocharge)	MPI (Multi Point Injection)	

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