Construction

Construction

F5

F32 MNS

61 kW (83 HP) @ 2500 rpm

Stage IIIA / Tier 3

CONSTRUCTION

SPECIFICATIONS

Thermodynamic cycle		Diesel 4 stroke
Air Handling		TC
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) @ -
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			-
Fuel Pump			-
Oil filter		number	single cartridge - left side
Oil sump			sheet steel / central sump
Oil vapours blow-by circuit			on valve cover
Oil heat exchanger			incorporated built in the crankcase
Oil filler			on valve cover
Alternator			12 V - 90 A with W contact
Hydraulic steering pump			-
Wiring harness			sectioning connector on engine wiring for EGR control unit
Painting color			grey RAL 7021
Starter			12 V - 3 kW
Maximum torque available from crankshaft pulley		Nm	-
Engine stop device			incorporated in the pump

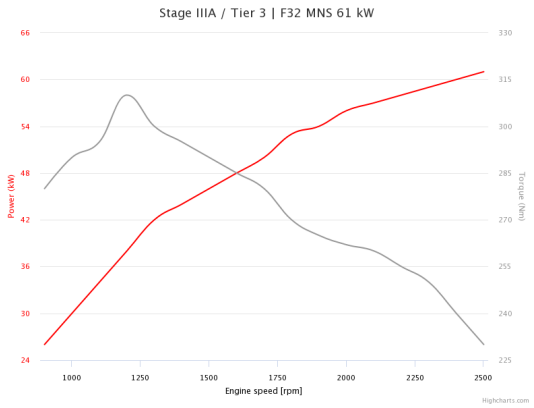
WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	710 x 591 x 778

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		1.08:1
PTO - maximum available torque		DIN 4 / SAE B 140 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)		EUI (Electronic Unit Injector)	
		TST (Twin Stage Turbocharge)	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

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