Agriculture

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N45

N45 ENT

104 kW (141 HP) @ 2200 rpm

Stage IIIA / Tier 3

SPECIFICATIONS

Thermodynamic Cycle		Diesel 4 stroke
Air Handling		TCA
Arrangement		4L
Bore x Stroke	millimeters	104 x 132
Total displacement	liters	4.5
Valves per cylinder	number	0.004
Cooling System		liquid
Direction of Rotation (viewed facing flywheel)		CCW
Compression ratio		17.5:1
Injection System		ECR
EGR		-

PERFORMANCES

Rated power [*]	kW (HP) @ rpm		104 (141) @ 2200
Peak torque	Nm (kgm) @ rpm		608 (62) @ 1600
High idle speed	rpm		-
Low idle speed	rpm		-
Minimum starting temperature without auxiliaries		°C	-15°
Oil and oil filter maintenance interval for replacement		hours	600

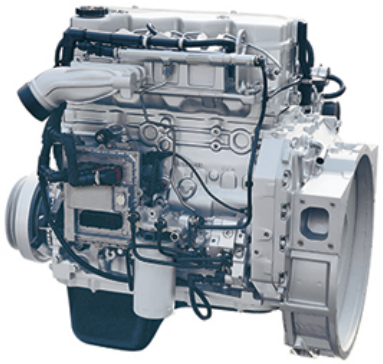
STANDARD CONFIGURATION

Flywheel housing	type	SAE 3 - cast iron
Flywheel size	inch	11" ½
Intake manifold location		right side / rearwards
Exhaust manifold location		-
Turbocharger		Fixed Geometry with Waste Gate valve
Turbocharger location		middle high / 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		high pressure pump (H.P.P.)
Oil filter	number	single cartridge - right side
Oil sump		suspended sheet steel / front sump, 35° angularity limits continuous in all directions
Oil vapours blow-by circuit		flywheel housing / Mann & Hummell valve
Oil heat exchanger		incorporated into the block
Oil filler		on valve cover
Starter		24 V - 4 kW
Alternator		24 V - 70 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)	810 x 678 x 901
Dry Weight	Kg	410

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		h) - 150 Nm (11 teeth) SAE B 240 Nm (13 teeth) -
Battery - minimum capacity recommended	Ah	130 Ah (24 V)
Battery - minimum cold cranking capacity recommended	Ah	24 V - 500 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

FPT POWERTRAIN TECHNOLOGIES

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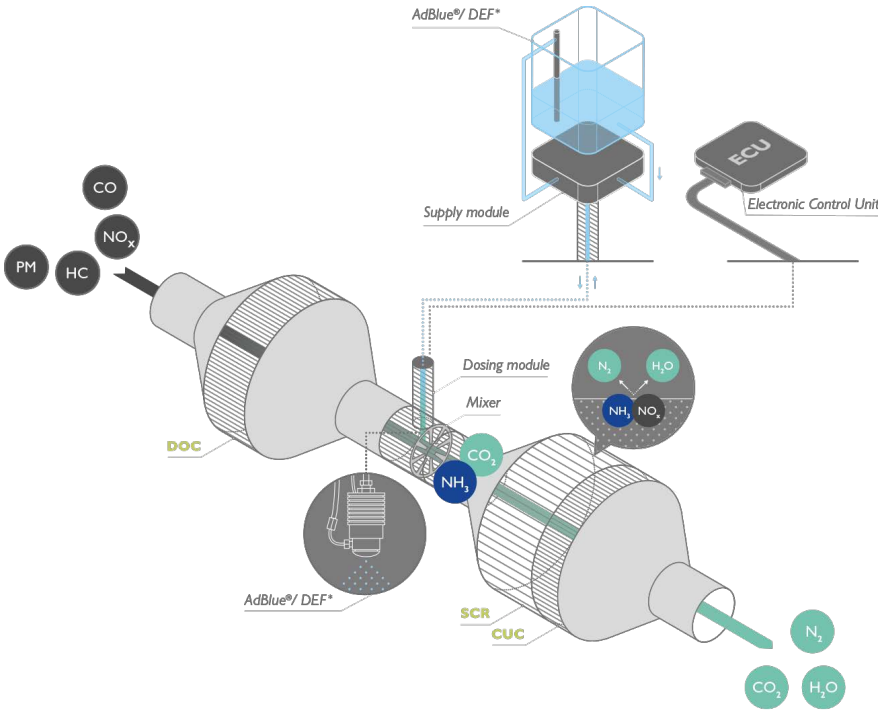
AFTER TREATMENT SYSTEM



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
N_2 Nitrogen
CO_2 Carbon Dioxide
H_2O Water
AdBlue®/ DEF = $CO(NH_2)_2 + H_2O$

AGRICULTURAL

LEGEND

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