Agriculture

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R22

R22

52 kW (70 HP) @ 2600 rpm

Stage IIIB / Tier4 Final

SPECIFICATIONS

Thermodynamic Cycle		Diesel 4 stroke
Air Handling		TCA
Arrangement		3L
Bore x Stroke	millimeters	94 x 107
Total displacement	liters	2.2
Valves per cylinder	number	0.002
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		52 (70) @ 2600
Peak torque	Nm (kgm) @ rpm		246 (25) @ 1800
High idle speed	rpm		-
Low idle speed	rpm		-
Minimum starting temperature without auxiliaries		°C	-30°
Oil and oil filter maintenance interval for replacement		hours	300

STANDARD CONFIGURATION

Flywheel housing	type		SAE 4 / SAE 5
Flywheel size	inch		11"
Intake manifold location			high / right side
Exhaust manifold location			high / right side
Turbocharger			Fixed Geometry Turbo
Turbocharger location			Top / right side
Fan transmission ratio			-
Distance between fan - crankshaft centers		millimeters	X=- Y=-
Fuel filter		number	e with water separator - left side
Fuel prefilter			-
Fuel Pump			-
Oil filter		number	single cartdrige - left side
Oil sump	30° angularity limits longitudinal with flywheel in high position		
Oil vapours blow-by circuit			CCV with oil separator
Oil heat exchanger			-
Oil filler			On valve cover
Starter			12V - 2 kW
Alternator			12 V - 75 A, 90 A
Engine stop device			-
Wiring harness			-
Painting color			grey
Lift Pump			-
Hydraulic steering pump		liters/min	-
Maximum torque available from crankshaft pulley		Nm	-

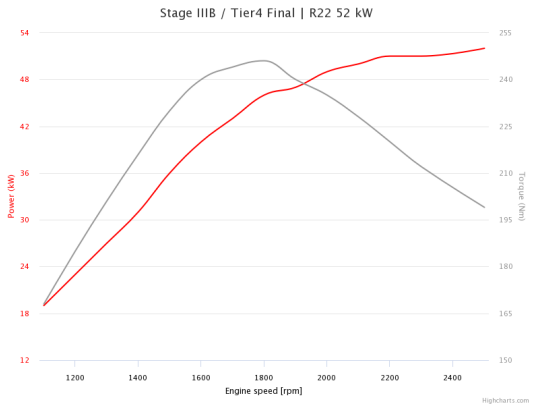
WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	580 x 524 x 723
Dry Weight	Kg	240

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		1.136:1
PTO - maximum available torque	ո SAE A / Group 2 drive – Constant Load 66 Nm -	
Battery - minimum capacity recommended	Ah	100 Ah (12V)
Battery - minimum cold cranking capacity recommended	Ah	12 V - 690 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

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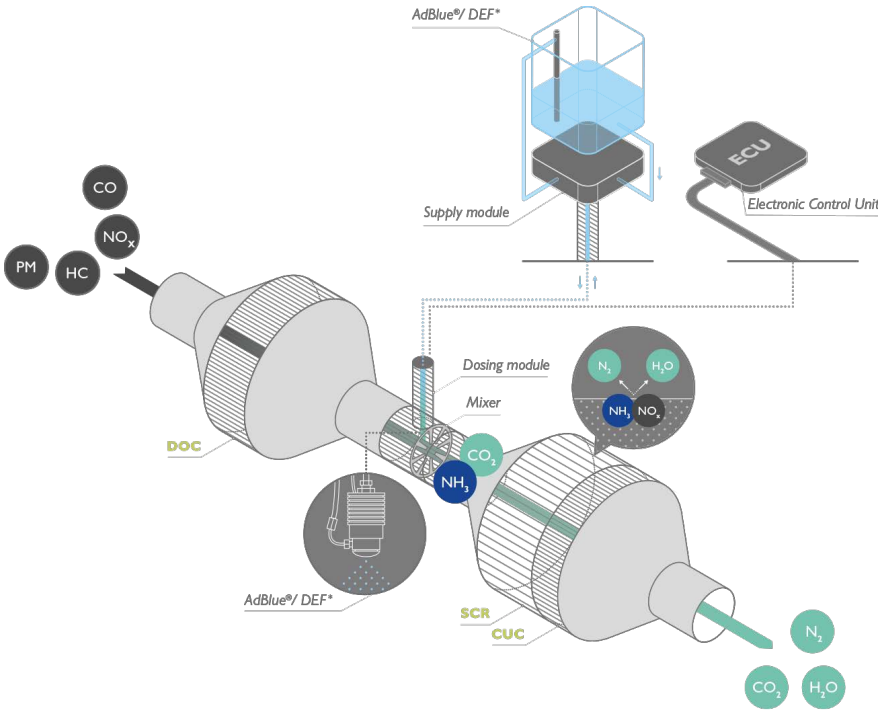
AGRICULTURAL

AFTER TREATMENT SYSTEM

After Treatment System includes Diesel Oxidation Catalyst (DOC) and Particulate Matter Catalyst (PM-CAT)



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

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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