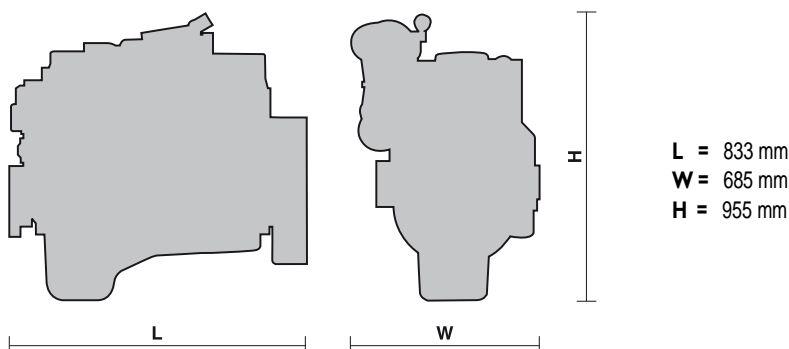


80 kW @ 2000 rpm - 125 kW @ 2000 rpm  
520 Nm @ 1500 rpm - 700 Nm @ 1500 rpm**Stage IV - Tier 4B****Specifications**

Thermodynamic cycle	Diesel 4 stroke	
Air handling	TAA	
Arrangement	4L	
Bore x Stroke	mm	104 x 132
Total displacement	l	4.5
Valves per cylinder	n°	4
Cooling	liquid	
Direction of rotation (viewed facing flywheel)	CCW	
Compression ratio	17 : 1	
Injection system	Electronic Common Rail	

**Performance**

		min.	max.
Rated power [*]	kW	80	125
At speed	rpm	2000	2000
Peak power	kW	80	129
At speed	rpm	2000	2200
Peak torque	Nm	520	700
At speed	rpm	1500	1500
Minimum starting temperature without auxiliaries	°C	-15	
Oil and oil filter maintenance interval for replacement [**]	hours	600	
Dry weight (standard configuration without: oil, cooling, starter, clutch, A/C Compressor, alternator)	kg	402	

**FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT SALES NETWORK.**[\*] **Power** at flywheel according to 97/68 EC (without fan), after 50 hours running, 3% tolerance, Fuel Diesel EN 590.[\*\*] **Oil type:** Approved engine oil specification: 10W-40 ACEA E9 / API CJ-4 or 5W-30 ACEA E6 (ambient temperature below -15°C).**Test conditions:** ISO 3046/1, 25 °C air temperature, 100 kPa atmospheric pressure, 30 % relative humidity - Applicable also to DIN 6271, BS 5514, SAE J1349 Standards.**Dimensions:**

# Preliminary

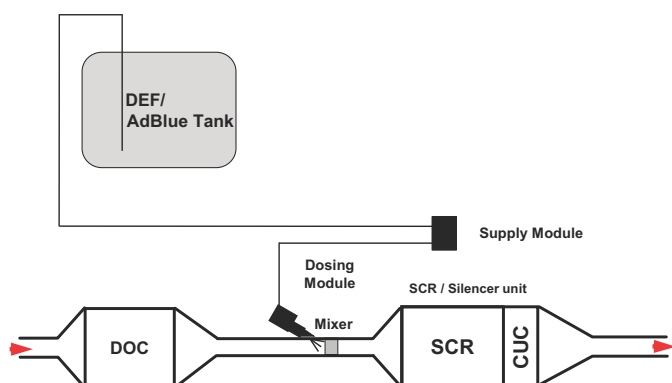
## Standard configuration

Flywheel housing	type	SAE 3 - cast iron
Flywheel size	inch	11" ½
Intake manifold location		high / left side / vertical from top
Exhaust manifold location		high / right side / front
Turbocharger		Waste Gate valve with exhaust flap
Turbocharger location		high / back / right side
Fan transmission ratio		1.4 : 1
Distance between fan - crankshaft centers	mm	x = 0 ; y = 296
Fuel filter		single cartridge - left side
Oil filter		single cartridge - right side
Oil sump		suspended sheet steel / front sump, 35° angularity limits continuous in all directions flywheel housing, Mann & Hummel valve
Oil vapours blow-by circuit		integrated into the block
Oil heat exchanger		on valve cover
Oil filler		12V - 3kW / 24V - 4kW
Starter		tbd
Alternator		incorporated in the pump
Engine stop device		-
Wiring harness		-
Painting	color	grey

## Not included in the standard configuration

PTO - transmission ratio		1.03:1
PTO maximum available torque	SAE A	100Nm (9 teeth) - 150Nm (11 teeth)
	SAE B	240Nm (13 teeth)
Battery - minimum capacity recommended		130Ah (24V)
Battery - minimum cold cranking capacity recommended		500A (24V)

## Aftertreatment System



### SCR (Selective Catalytic Reduction) system

#### Main components

- Supply Module
- Dosing Module
- SCR Catalyst with integrated CUC\*
- DOC\*\*
- DEF\*\*\*/AdBlue Tank

\*CUC: Clean Up Catalyst  
 \*\*DOC: Diesel Oxidation Catalyst  
 \*\*\*DEF: Diesel Exhaust Fluid

FPT OFFERS THE WIDEST AVAILABILITY OF ENGINE BUILD OPTIONS TO CUSTOMER SPECIFIC REQUIREMENTS WITHIN THE ENGINE SUPPLY. TO FIND OUT MORE ABOUT THE CONFIGURATIONS AND ACCESSORIES WHICH ARE AVAILABLE, CONTACT THE FPT SALES NETWORK.