

105 kW @ 2200 rpm - 220 kW @ 2200 rpm  
 730 Nm @ 1500 rpm - 1200 Nm @ 1500 rpm

**Stage IV - Tier 4B**

## Specifications

Thermodynamic cycle	Diesel 4 stroke	
Air handling	TAA	
Arrangement	6L	
Bore x Stroke	mm	104 x 132
Total displacement	l	6.7
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	105	220
At speed	rpm	2200	2200
Peak power	kW	110	220
At speed	rpm	2000	1800
Peak torque	Nm	730	1200
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, Compressor A/C, alternator)	kg	530	

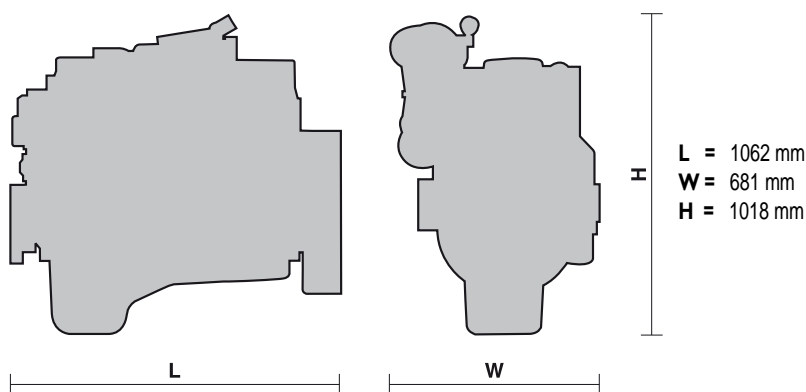
**FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT SALES NETWORK.**

[\*] 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: 15W-40 ACEA E7 / API CI-4 or 10W-30 ACEA E7 / API CI-4 (ambient temperature below -15°C), 10W-40 ACEA E9/API CJ-4 as alternative.

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

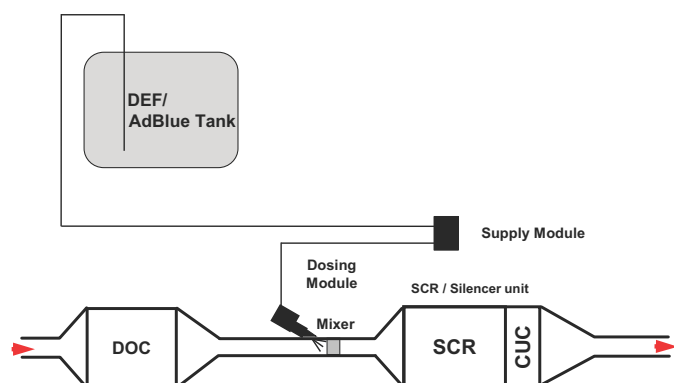
## Standard configuration

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
Oil vapours blow-by circuit		integrated in cylinder head cover
Oil heat exchanger		integrated into the block
Oil filler		on valve cover
Starter		12V - 3kW / 24V - 4kW
Alternator		12V - 120A / 24V - 90A with W contact
Engine stop device		-
Wiring harness		engine harness connected to ECU
Painting	color	grey

## Not included in the standard configuration

PTO position		rear
PTO maximum available torque	SAE A	100Nm (9 teeth) - 150Nm (11 teeth)
	SAE B	240Nm (13 teeth)
Battery - minimum capacity recommended		180Ah (12V) - 130Ah (24V)
Battery - minimum cold cranking capacity recommended		800A (12V) - 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.