

210 kW @ 2000 rpm - 305 kW @ 2100 rpm
 1350 Nm @ 1500 rpm - 1800 Nm @ 1500 rpm

Stage IV - Tier 4B

Specifications

Thermodynamic cycle	Diesel 4 stroke	
Air handling	TAA	
Arrangement	6L	
Bore x Stroke	mm	117 x 135
Total displacement	l	8.7
Valves per cylinder	n°	4
Cooling	liquid	
Direction of rotation (viewed facing flywheel)	CCW	
Compression ratio	16 : 1	
Injection system	Electronic Common Rail	

Performance

		min.	max.
Rated power [*]	kW	210	305
At speed	rpm	2000	2100
Peak power	kW	235	330
At speed	rpm	1800	2000
Peak torque	Nm	1350	1800
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	960	

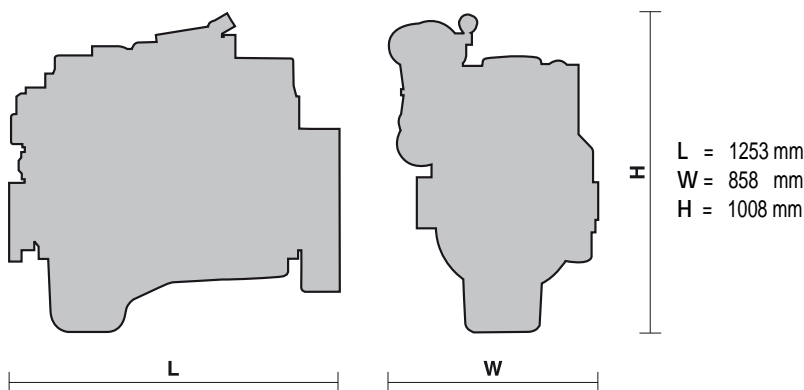
FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT SALES NETWORK.

[*] 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

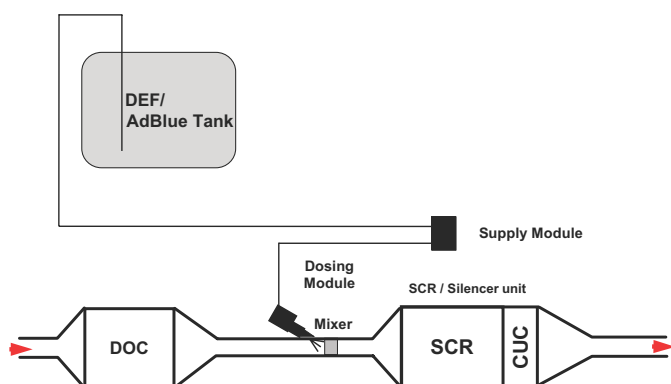
Standard configuration

Flywheel housing	type	SAE 1 - aluminium
Flywheel size	inch	14"
Intake manifold location		middle high / right side / front
Exhaust manifold location		middle high / left side / back
Turbocharger		Waste Gate valve with exhaust flap
Turbocharger location		center / left side
Fan transmission ratio		1.37:1
Distance between fan - crankshaft centers	mm	x = 40 ; y = 250
Fuel filter		single cartridge - right side
Oil filter		single cartridge - left side
Oil sump		suspended sheet steel / central sump (pivot)
Oil vapours blow-by circuit		close case ventilation
Oil heat exchanger		integrated into the block
Oil filler		on valve cover
Starter		24V - 4.5kW
Alternator		24V - 90A
Engine stop device		by electronic control unit
Wiring harness		interface wiring loom with accessories
PTO position		rear
PTO maximum available torque	SAE A	120Nm (9 teeth - ANSI B92,1)
	SAE B	120Nm (13 teeth ANSI B92,1)
	SAE B	180Nm (splined - DIN 5482)
	SAE 2B	180Nm (15 teeth - ANSI B92,1)
Painting	color	grey

Not included in the standard configuration

Battery - minimum capacity recommended	180Ah (24V)
Battery - minimum cold cranking capacity recommended	800A (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.

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Specifications subject to change without notice.
Illustrations may include optional equipment