

Specifications

Thermodynamic cycle		Diesel 4 stroke
Air intake		TAA
Arrangement		4L
Bore x Stroke	mm	88 x 94
Total displacement	l	2.3
Valves per cylinder	n.	4
Cooling system		liquid
Direction of rotation (viewed facing flywheel)		CCW
Compression ratio		19 : 1
Injection system		Electronic Common Rail

Performance

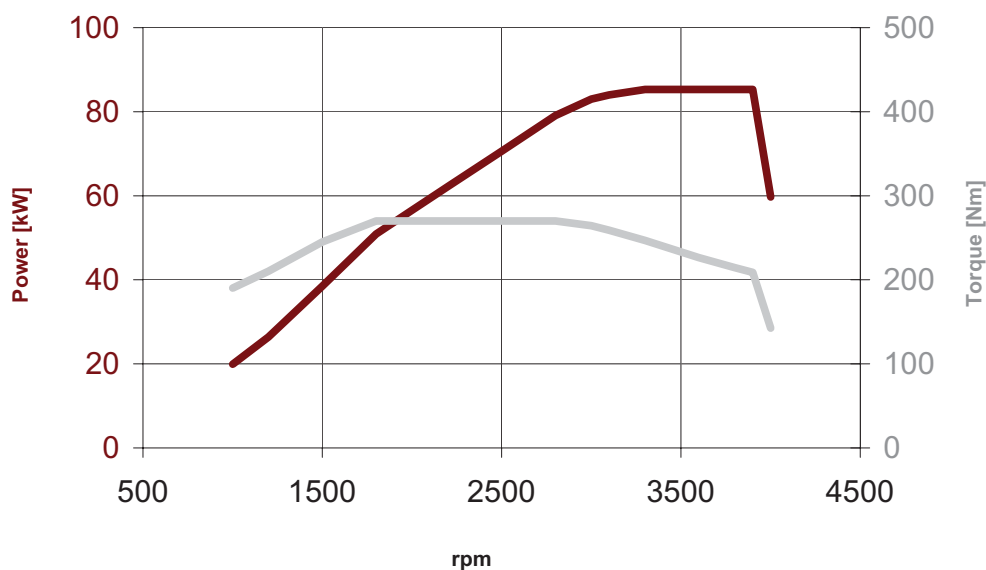
Maximum rating [*]	kW(HP)	85 (116)
At speed	rpm	3900
Maximum torque	Nm(kgm)	270 (28)
At speed	rpm	1800
Maximum no load governed speed at max rating	rpm	4600 ± 50
Minimum idling speed	rpm	800 ± 25
Minimum starting temperature without auxiliaries	°C	-25
Oil and oil filter maintenance interval for replacement **	km	40,000
Dry weight (standard configuration)	kg	220

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.

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.

** Oil type: ACEA E4, SAE 5W30.



S23 ENT 4

85 kW (116 HP) @ 3900 rpm - 270 Nm @ 1800 rpm

EURO 4

Standard configuration

Flywheel housing	type	n.a.
Flywheel size	inch	10" 1/2 dual mass
Intake manifold location		engine front direction / left side
Exhaust manifold location		middle high / right side / back
Turbocharger		Fixed Geometry with Waste Gate valve
Turbocharger location		center / right side
Fan transmission ratio		n.av.
Distance between fan - crankshaft centers	mm	x = -19 ; y = +165
Fuel filter		included in pressure regulator
Oil filter	n.	single cartridge - left side
Oil sump		suspended sheet steel / front or back sump
Oil vapours blow-by circuit		close case ventilation
Oil heat exchanger		integrated into the block
Oil filler		on valve cover
Alternator		12V - 110A/140A (Opt.)
Engine stop device		by electronic control unit
Wiring harness		interface wiring loom with accessories
Power take off - transmission ratio		n.a.
Maximum torque obtainable from crankshaft pulley		n.av.
Painting	color	n.a.

Not included in the standard configuration

Starter	12V - 2.3kW
Battery - minimum capacity recommended	92Ah (12V)
Battery - minimum cold cranking capacity recommended	450A (12V)

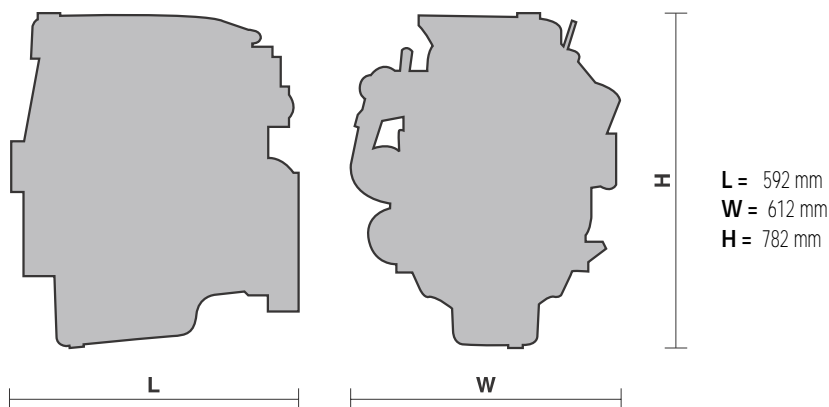
LEGEND:

n.a. = not applicable

n.av. = not available

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.

Dimensions



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