

## Specifications

Thermodynamic cycle		Diesel 4 stroke
Air intake		TAA
Arrangement		4L
Bore x Stroke	mm	95.8 x 104
Total displacement	l	3
Valves per cylinder	n.	4
Cooling system		liquid
Direction of rotation (viewed facing flywheel)		CCW
Compression ratio		18 : 1
Injection system		Electronic Common Rail

## Performance

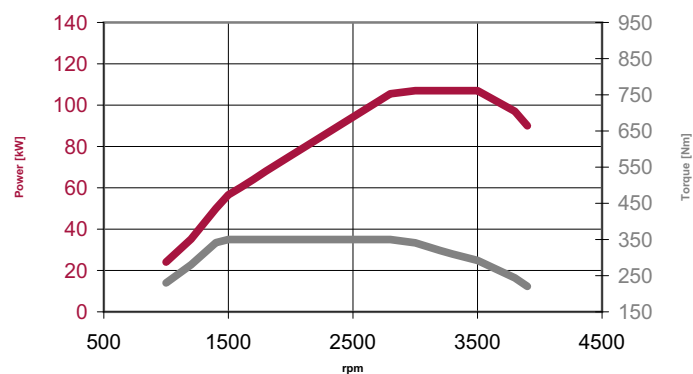
Maximum rating [*]	kW(HP)	107 (146)
At speed	rpm	3500
Maximum torque	Nm(kgm)	350 (36)
At speed	rpm	1400
Maximum no load governed speed at max rating	rpm	4200 ± 50
Minimum idling speed	rpm	800 ± 25
Minimum starting temperature without auxiliaries	°C	-25
Oil and oil filter maintenance interval for replacement **	km	40,000
Dry weight (standard configuration)	kg	250

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 B5, SAE 5W30.



# S30 ENT 4

107 kW (146 HP) @ 3500 rpm - 350 Nm @ 1400 rpm

EURO 4

## Standard configuration

Flywheel housing	type	n.a.
Flywheel size	inch	11" 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 = -50 ; y = +180
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		150 Nm - 1500 rpm
Painting	color	n.a.

## Not included in the standard configuration

Starter	12V - 2.5 kW
Battery - minimum capacity recommended	92Ah (12V)
Battery - minimum cold cranking capacity recommended	450A (12V)

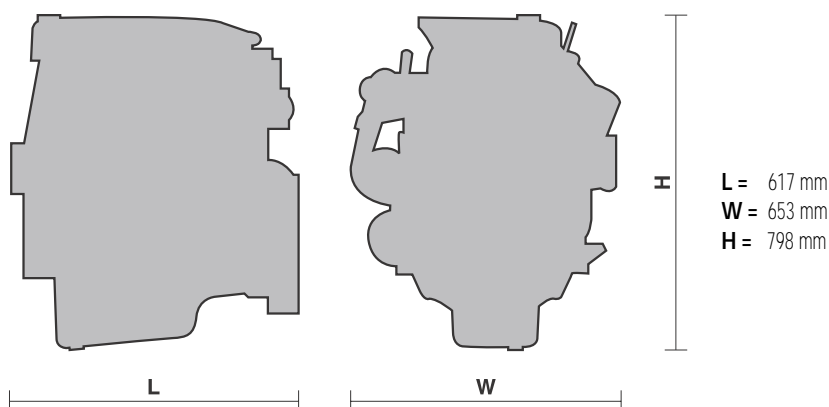
### LEGEND:

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.