

**Specifications**

Thermodynamic cycle		Diesel 4 stroke
Air intake		TAA
Arrangement		6L
Bore x Stroke	mm	102 x 120
Total displacement	l	5.9
Valves per cylinder	n.	4
Cooling system		liquid
Direction of rotation (viewed facing flywheel)		CCW
Engine management		electronic
Injection system		Electronic Common Rail (E.C.R.)

**Electrical system**

Voltage	V	12
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**Standard configuration**

Flywheel housing	type	SAE 3
Flywheel size	inch	11 ½
Air filter		rear side
Turbocharger		Waste Gate (water cooled) Turbo with Aftercooler (TAA)
Heat exchanger		tube type
Exhaust gas - water mixer		-
Water charge tank		included
Fuel filter	n.	1 - left side
Fuel prefilter		included (loose)
Fuel pump		included
Oil filter	n.	1 - right side
Oil sump		aluminium
Oil vapours blow-by circuit		rear
Oil heat exchanger		built in the crankcase
Oil filler		on timing cover frontward
Starting motor		12V - 3kW
Alternator		12V - 90A
Engine stop device		by electronic central unit
Wiring harness		with EDC (Electronic Diesel Control)
Painting	color	white "ICE" / "black" 480 HP version

**Not included in the standard configuration**

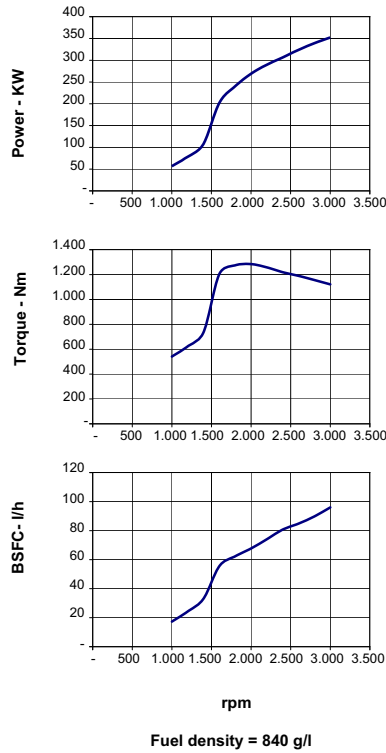
Battery - minimum capacity recommended		120 Ah
Battery - minimum cold cranking capacity recommended		900 A

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.

Rating type		<b>S1</b>
Maximum power [*]	kW(HP)	353 (480)
At speed	rpm	3000
Maximum no load governed speed at max rating	rpm	3150
Minimum idling speed	rpm	600
Oil and oil filter maintenance interval for replacement	hours	100

\* **Net Power** at flywheel according to ISO 3046/1, after 50 hours running, Fuel Diesel EN 590. Power tolerance 5%.

**Test conditions:** ISO 3046/1, 25 °C air temperature, 100 kPa atmospheric pressure, 30 % relative humidity .

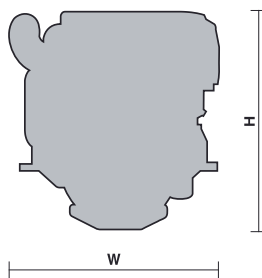
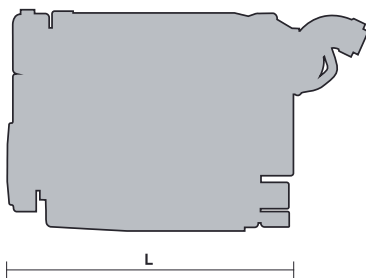


**S1** = Sportive duty.

High speed pleasure for sport light planing crafts (< 5 kg/hp - full load weight crafts / total installed power) or high performances military planing crafts with similar characteristics.

Maximum power usage 80% of the use period; the remaining 20% use to minimum speed or low manoeuvring speed.

Maximum useage 100 hours per year.



**L** = 1349 mm.

**W** = 843 mm.

**H** = 788 mm.

**Dry weight** (without marine gear) = 595 kg.