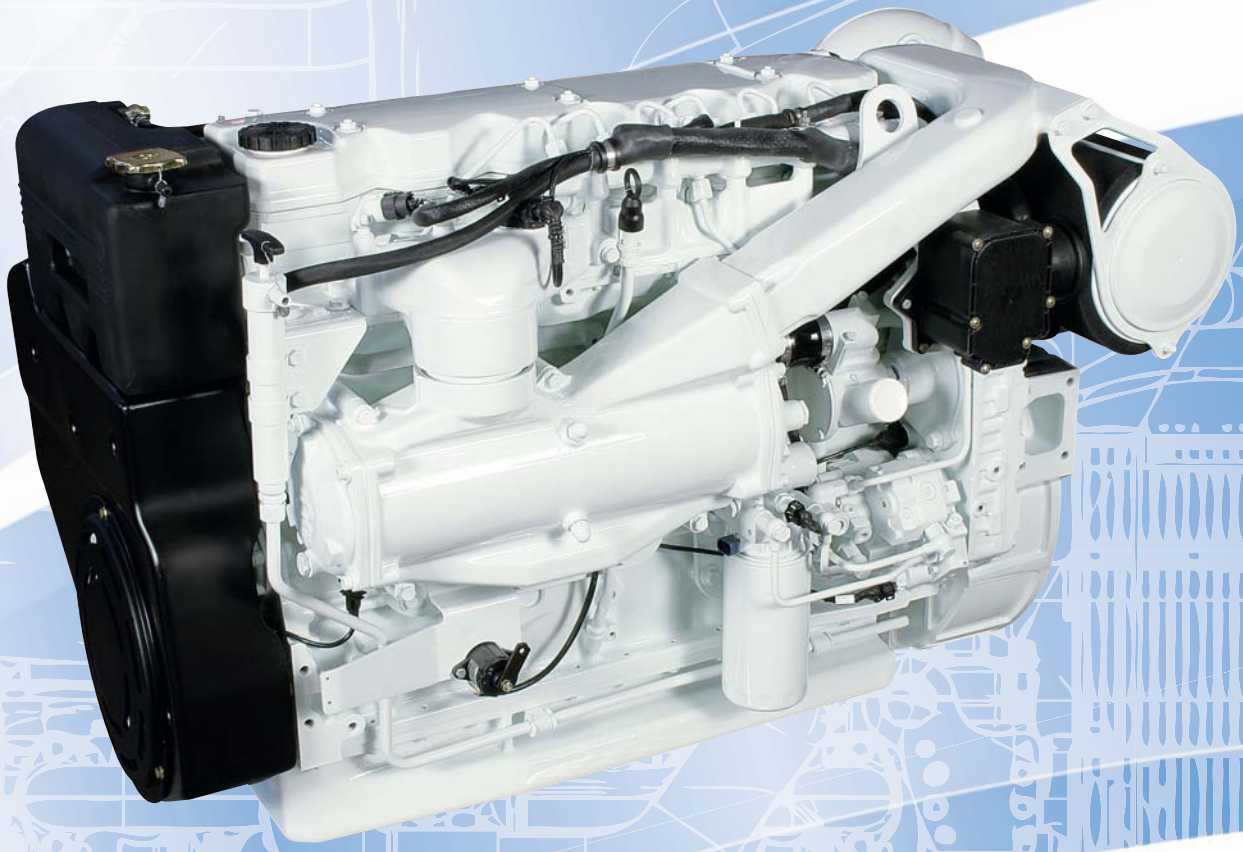
N60 400-N60 480

N60 ENT M40

6 CYLINDERS IN LINE - DIESEL CYCLE
353 kW (480 HP) @ 3000 rpm (S1)
294 kW (400 HP) @ 3000 rpm (A1)
272 kW (370 HP) @ 3000 rpm (A2)
243 kW (330 HP) @ 3000 rpm (B)
199 kW (270 HP) @ 3000 rpm (C)



MARINE APPLICATIONS

FPT POWERTRAIN TECHNOLOGIES

N60 ENT M40 FOR MARINE APPLICATIONS

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		4
Cooling		liquid
Direction of rotation (viewed facing flywheel)		CCW
Engine management		electrical
Injection system		Common Rail

Electrical system

Voltage	V	12

Standard configuration

Flywheel housing	type	SAE 3
Flywheel size	inch	11 ½
Air filter		rear side
Turbocharger		cooled
Heat exchanger		tube type
Exhaust cooled elbow		–
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		12 V - 3 kW
Alternator		12 V - 90 A
Engine stop device		by electronic central unit
Wiring harness		with EDC (Electronic Diesel Control)
Painting	colour	white "ICE" / "black" 480 HP version

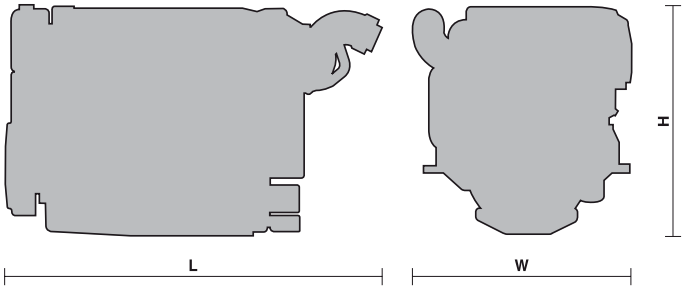
Not included in the standard configuration

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		S1	A1	A2	B	C
Maximum power *	kW(HP)	353 (480)	294 (400)	272 (370)	243 (330)	199 (270)
At speed	rpm	3000	3000	3000	3000	3000
Maximum no load governed speed at max rating	rpm	3150	3150	3150	3150	3150
Minimum idling speed	rpm	600	600	600	600	600
Oil and oil filter maintenance interval for replacement	hours	100	600	600	600	600

* **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.*



L = 1349 mm

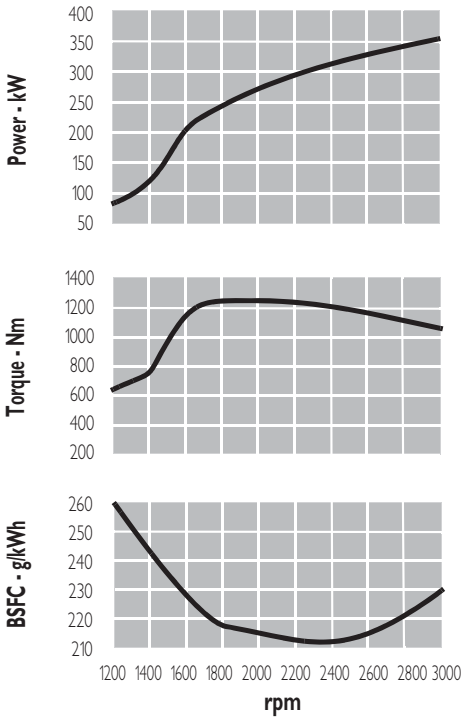
W = 843 mm

H = 788 mm

Dry weight (without marine gear) = 595 kg

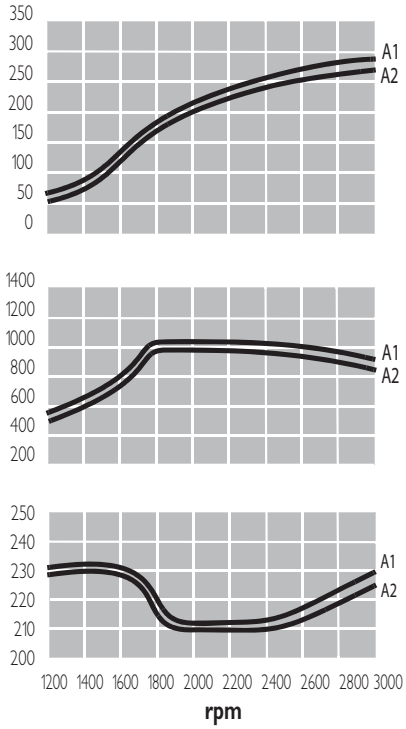
N60 ENT M40 **FOR MARINE APPLICATIONS**

S1



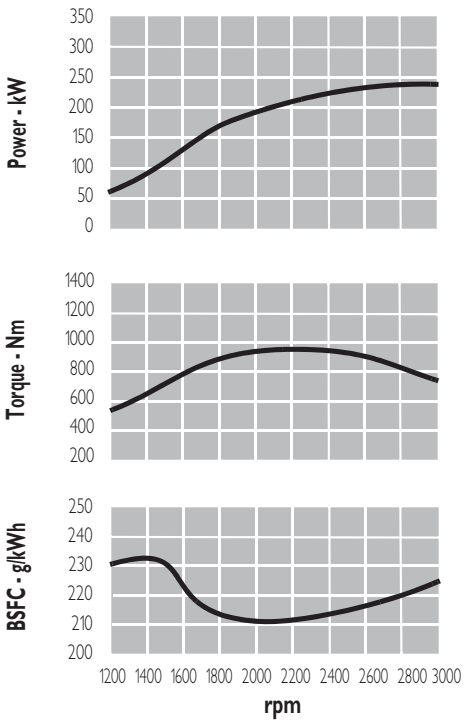
S1 = Sport duty.
High speed pleasure for sport light planing crafts (< 5 kg/hp - full load weight crafts / total installed power) or high performances military planing crafts with similar characteristics.
Maximum power useage 80% of the use period; the remaining 20% use to minimum speed or low manoeuvring speed.
Maximum useage 100 hours per year.

A1 - A2



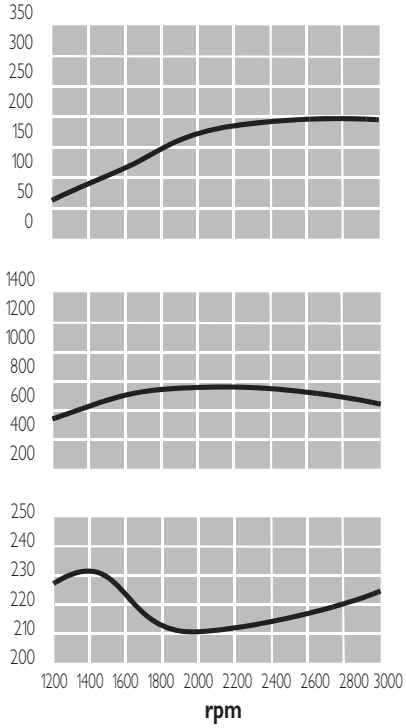
A1 = High performance crafts.
A2 = Pleasure/commercial vessels.
Full throttle operation restricted within 10% of total use period.
Cruising speed at engine rpm < 90% of rated speed setting - Maximum useage:
- 300 hours per year (A1 service)
- 1000 hours per year (A2 service).

B



B = Light duty.
Full throttle operation restricted within 10% of total use period.
Cruising speed at engine rpm < 90% of rated speed setting - Maximum useage 1500 hours per year.

C



C = Medium duty.
Full throttle operation < 25% of use period.
Cruising speed at engine rpm < 90% of rated speed setting - Maximum useage 3000 hours per year.

ENGINE BENEFITS

- **PERFORMANCE:** Ratings, consumption and emissions optimisation due to electrical engine management and Common Rail system; high specific power; lightness (low weight/power ratio); compactness (low volume/power ratio); high torque at low rpms.
- **SERVICEABILITY:** Control, protection and diagnostic for the main engine components and parameters; widespread and quick service.
- **RELIABILITY:** Compact design; long engine life.
- **COST EFFECTIVENESS:** Fuel consumption reduction; maintenance and overhaul intervals extension.
- **ENVIRONMENTALLY FRIENDLY:** Noise, gaseous emissions and vibrations reduction.
- **CUSTOMER ORIENTATION:** Wideness of uses, propulsion certifications and emissions; availability of accessories range.

LOCAL DISTRIBUTOR

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