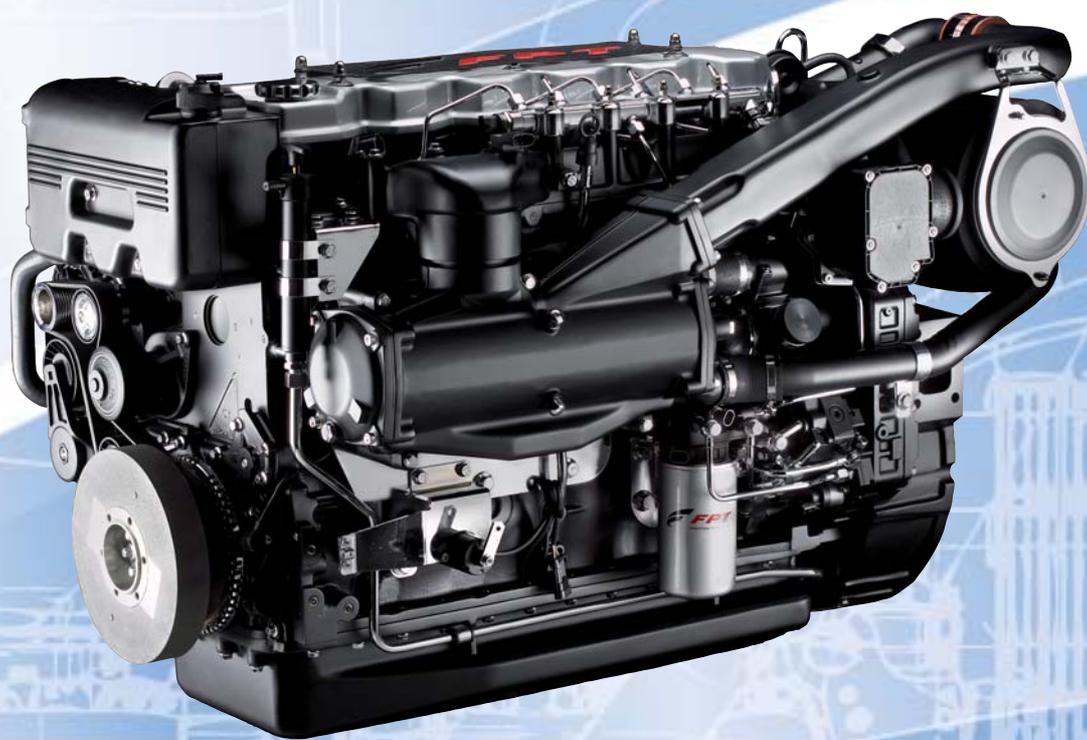


# N60 480

## N60 ENT M40

6 CYLINDERS IN LINE - DIESEL CYCLE

353 kW (480 HP) @ 3000 rpm (S1)



# MARINE APPLICATIONS

## 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
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### Standard configuration

Flywheel housing	type	SAE 3
Flywheel size	inch	11 1/2
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

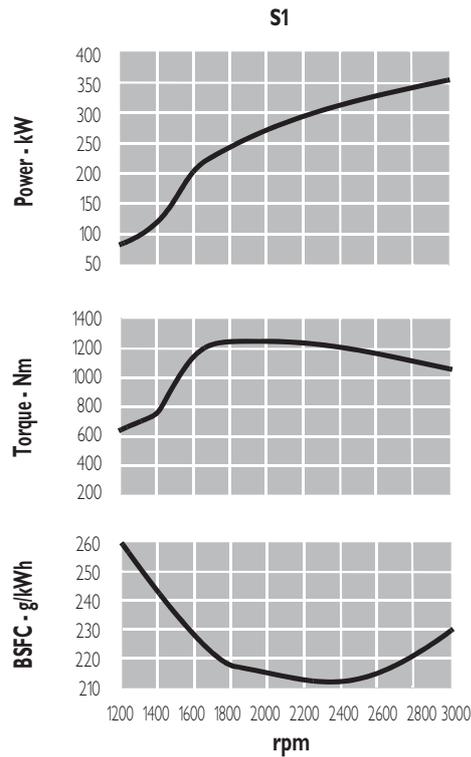
**FPT OFFERS THE WIDEST AVAILABILITY OF ENGINE BUILD OPTIONS TO CUSTOMER SPECIFIC REQUIREMENTS WITHIN THE ENGINE SUPPLY. TO FIND OUT MORE ABOUT THE CONFIGURATIONS AND ACCESSORIES WHICH ARE AVAILABLE, CONTACT THE FPT SALES NETWORK.**

# N60 ENT M40 FOR MARINE APPLICATIONS

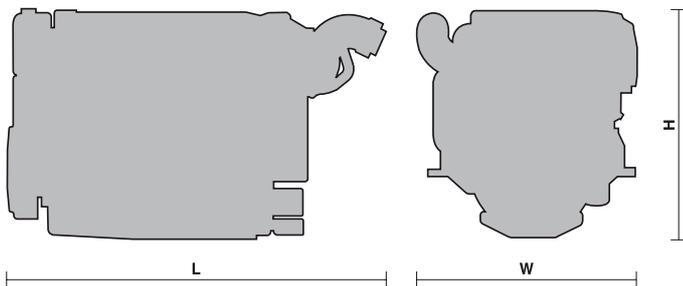
Rating type		S1
Maximum power *	kW(HP)	353 (480)
At speed	rpm	3000
Maximum no load governed speed at max rating	rpm	3150
Minimum idling speed	rpm	600
Oil and oil filter maintenance interval for replacement	hours	100

\* **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** = 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.



**L** = 1349 mm  
**W** = 843 mm  
**H** = 788 mm  
**Dry weight** (without marine gear) = 595 kg

## 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:** In spite of consumptions reduction and maintenance intervals extension, reaches top performance in its category
- **ENVIRONMENTALLY FRIENDLY:** Noise, gaseous emissions and vibrations reduction in spite of the sportive duty.
- **CUSTOMER ORIENTATION:** Wideness of uses, propulsion certifications for sportive, recreative, military applications and for fast and light planing boats.

### FIAT POWERTRAIN TECHNOLOGIES

Via Puglia, 15 - 10156 Torino

### FIAT POWERTRAIN TECHNOLOGIES

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