



MARINE DIESEL ENGINES

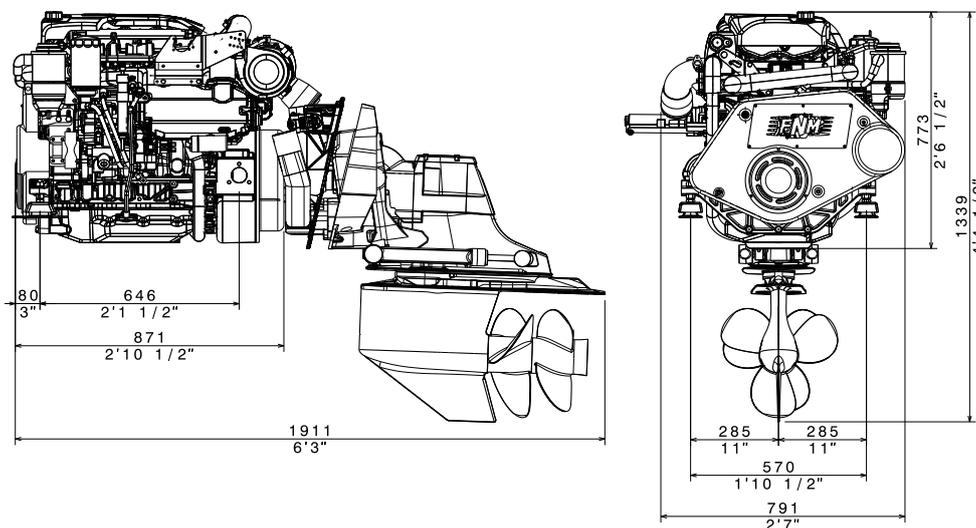
IN/OUTBOARD MARINE ENGINE **30HPEP**

Models:
30HPEP 270 - 30HPEP 250
30HPEP 225 - 30HPEP 180



FNM® 30HPEP engine is based on the tested FPT 30 4-cylinder Common Rail engine. This marine engine uses a common-rail fuel injection system controlled by an ECU specifically made for it. The result is a high power-to-displacement ratio unit.

Dimensions | FNM 30HPEP with BRAVO 3



Technical data

| Engine model | 30 HPEP 270 | 30 HPEP 250 | 30 HPEP 225 | 30 HPEP 180 |
|-----------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
| Max Power | 198,5 kW 270 HP 4100 rpm | 184 kW 250 HP 4100 rpm | 165 kW 225 HP 4100 rpm | 132 kW 180 HP 3800 rpm |
| Max Torque | 560 Nm 2600 rpm | 553 Nm 2600 rpm | 520 Nm 2300 rpm | N.D. |
| Number of cylinders | 4 in line | | | |
| Displacement (l) - (cc) | 3 - 2.988 | | | |
| Bore and Stroke (mm) - (in) | [95,8x104] - (3,77x4,09) | | | |
| Dry weight (kg) | 330 | | | |
| Cooling | Water | | | |
| Combustion | Direct Injection Common Rail | | | |
| Induction | Turbocharged and intercooled | | | |
| Emission compliance | Directive 2013/53/UE | | | |

Technical data according to ISO8665. Fuel complies EN590. Merchant fuel may differ in specification and may influence engine power output and consumption. Production tolerance within 5% (of power). Not all models, standard equipment and accessories are available in all countries. All specifications are subject to change without notice.

Standard technical equipment

ENGINE BLOCK AND HEAD

- Cylinder block made of cast-iron
- Cylinder head made of aluminium
- 4-valve per cylinder technology with hydraulic lash adjusters
- Double overhead camshafts
- Automotive-class availability of service and parts
- Metal chain gear

ENGINE MOUNTING

- Flexible engine mounting

LUBRICATION SYSTEM

- Easily replaceable oil filter, on top of engine
- Easily to inspect or replace oil separator
- Double oil vapour filter technology
- Integrated cooler with engine's coolant

FUEL SYSTEM

- Common rail fuel injection system
- CMD proprietary ECU
- Fuel filter with water separator and alarm

AIR INLET AND EXHAUST SYSTEM

- Commercial-grade air filter
- Oil vapours vented into inlet air
- Exhaust elbow or raiser depending on application
- Coolant-cooled turbocharger
- Raw-water cooled intercooler

COOLING SYSTEM

- Thermostatically regulated freshwater cooling
- Thermal unit that integrates tubular heat exchanger and expansion tank
- Easily accessible seawater impeller pump

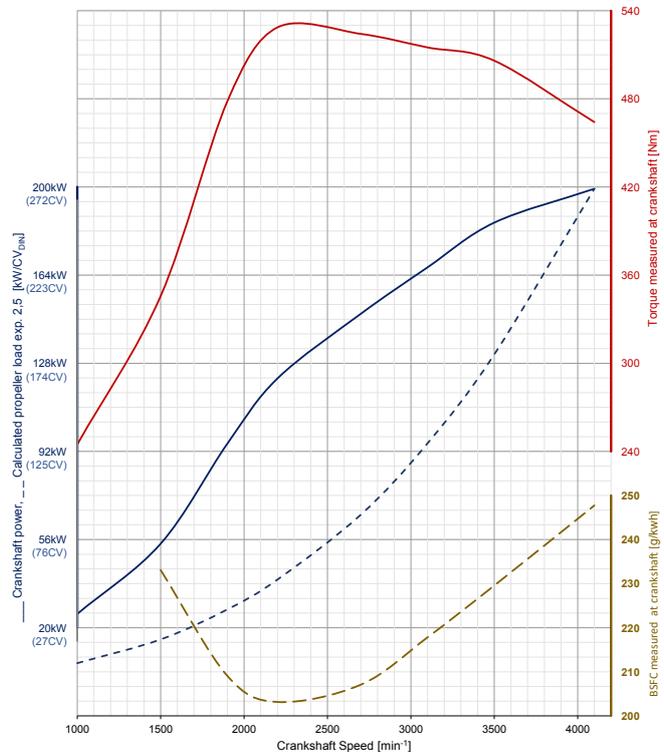
ELECTRICAL SYSTEM

- 12V standard two-pole electrical system
- 12V-1,8kW starter
- Alternator 12V-140A
- Emergency stop button on engine's ECU
- CANBUS Panel with 8m extension and digital display of engine data

Optionals

- Single or double electronic CANBUS control station
- Boiler kit for heating
- Various length panel extension
- Second control panel for flybridge installations
- RACOR and Mediterraneo filters
- Trolling Valve
- Additional PTO (ISO41B3 Z/SPZ)
- Steering pump
- NMEA2000 compatibility kit
- Wide range of additional instruments BRAVO X-1 stern drive Red. 1.65:1 or BRAVO 2
- Red.2:1 - BRAVO 3 Red. 2:1
- Stainless steel propeller for BRAVO X-1
- Aluminium propeller for BRAVO X-2
- Stainless steel propeller for BRAVO X-3
- Multiple Sterndrive Steering Tie for twinengine
- Alignment tool
- Volvo coupler kit

Performance curves



Referred to **30HPE 270**

Panel instrument CANBUS

Panel Instrument **high brightness 5" TFT display**, with **touchscreen** and a very simple and intuitive interface.

- Engine data acquisition with CANBUS J1939 interface.
- Data acquisition from traditional sensors for up to eight analog inputs, five digital inputs and one frequency input
- Acquisition of navigation data with NMEA0183 interface
- Up to five relay command outputs for signals and simple activations
- Alarm monitoring according to approved safety standards
- Automatic brightness adjustment and day / night mode
- USB local connectivity for firmware update and configuration

The unit is supplied already programmed and ready to work.

