

12 M26.2

4 stroke diesel engine, direct injection



Not contractual picture

| | |
|-------------------------------------|--------------|
| Bore and stroke | 150 x 150 mm |
| Number of cylinders | 12 in V |
| Total displacement | 31.8 litres |
| Compression ratio | 15/1 |
| Engine rotation (ISO 1204 standard) | CCW * |
| Idle speed | 700 rpm |
| Weight (without water & oil) | 3400 kg |
| Flywheel housing | SAE 0 |
| Flywheel | SAE 18" |

* counter-clockwise

RATED POWER: E3 cycle (FPP propeller)

Please contact us for information regarding the E2 cycle (CPP propeller).

| Duty | rpm | kW | hp | Peak torque / speed (N.m / rpm) | Full load fuel consumption (g / kW.h) | IMO | CE 97 / 68 | CCNR |
|------|------|-----|------|------------------------------------|--|-----|------------|------|
| P1 | 1800 | 662 | 900 | 4353 / 1300 | 198 | II | IIIA | II |
| P1 | 1800 | 736 | 1000 | 4798 / 1300 | 197 | II | IIIA | II |
| P2 | 1900 | 808 | 1100 | 5087 / 1400 | 200 | II | IIIA | II |
| P2 | 1950 | 883 | 1200 | 5260 / 1400 | 201 | II | - | - |

Power definition (Standard ISO 3046/1 - 1995 (F))

Reference conditions

| | |
|-----------------------|---------------|
| Ambiant temperature | 25 °C / 77 °F |
| Barometric pressure | 100 kPa |
| Relative humidity | 30 % |
| Raw water temperature | 25 °C / 77 °F |

Fuel oil

| | |
|-------------------------|---------------|
| Relative density | 0,840 ± 0,005 |
| Lower calorific power | 42 700 kJ/kg |
| Consumption tolerances | 0 ± 5 % |
| Inlet limit temperature | 35 °C / 95 °F |

Our ratings also comply with classification societies maximum temperature definition without power derating.

| | |
|-----------------------|----------------|
| Ambient temperature | 45 °C / 113 °F |
| Raw water temperature | 32 °C / 90 °F |

| | P1 duty | P2 duty |
|-------------------------|-------------------------|----------------|
| Application | unrestricted continuous | continuous |
| Engine load variations | very little or none | numerous |
| Mean engine load factor | 80 to 100 % | 30 to 80 % |
| Annual working time | more than 5000 h | 3000 to 5000 h |
| Time at full load | unlimited | 8 h each 12 h |

STANDARD EQUIPMENTS

Engine and block

- Cast iron cylinder block
- One inspection door per cylinder for access to conrod cap
- Cast iron cylinder liners, wet type
- Separate cast iron cylinder heads equipped with 4 valves
- Replaceable valves guides and seats
- 8 cylinders head tightening bolts
- Hardened steel forged crankshaft with induction hardened journals, crankpins and radius
- Camshaft with polynomial cams profile
- Distribution with tempered, hardened and grinded helicoïdal gears
- Chromium-Molibdenum steel conrods
- Lube oil cooled light alloy pistons with high performance piston rings

Cooling system

- Fresh / raw water heat exchanger with integrated thermostatic valves and expansion tank
- Cast iron centrifugal fresh water pump, mechanically driven
- Bronze self-priming raw water pump, mechanically driven

Lubrication system

- Full flow screwable oil filters
- Lube oil purifier with replaceable cartridge
- Fresh water cooled lube oil cooler

Fuel system

- In line injection pump with flanged mechanical governor
- Double wall injection bundle with leakage collector
- Duplex fuel filters replaceable engine running

Intake air and exhaust system

- Fresh water cooled turbo blower
- Double flow raw water cooled intake air cooler

Electrical system

- Voltage: 24Vcc
- Electrical starter on flywheel crown
- 175A battery charger

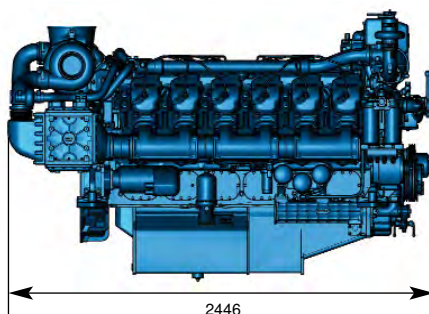
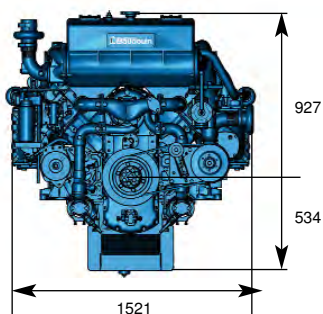
OPTIONAL EQUIPMENTS (extract) *

- Cooling system adapted for box / keel cooling
- Connection for emergency raw water and lube oil circuits
- Bilge pump
- Air starter with storage bottles and compressor

- Free end PTO
- Resilient mounts under engine
- Equipment and factory trial according to Major Classification Societies rules

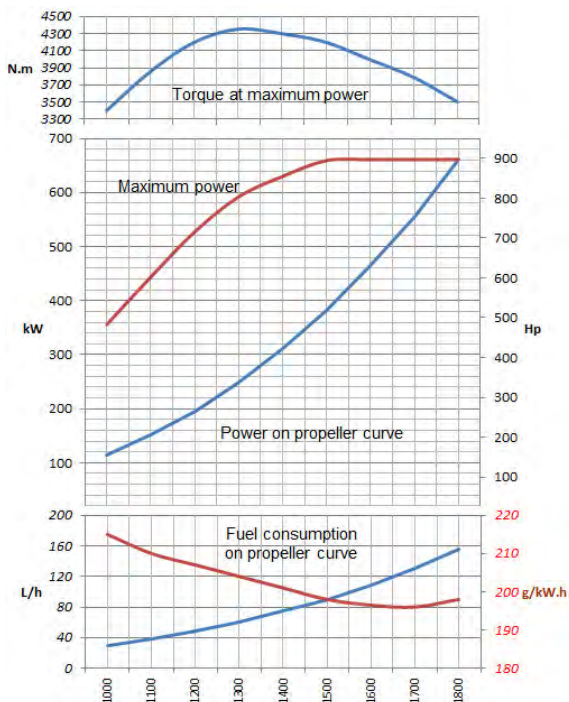
* contact us for further information regarding our options.

DIMENSIONS

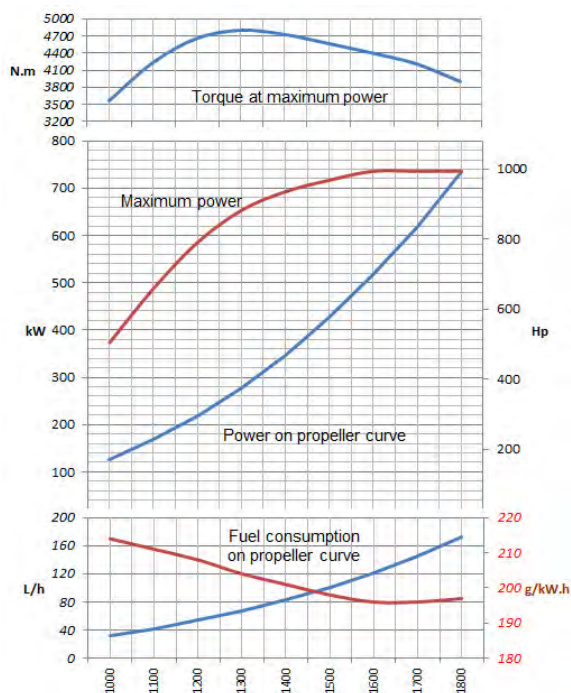


PERFORMANCES

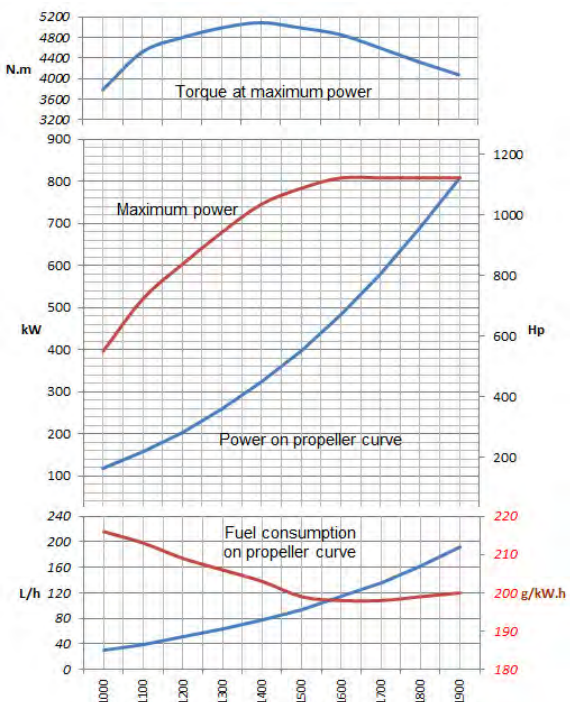
P1 rating - 662 kW / 900 hp @ 1800 rpm



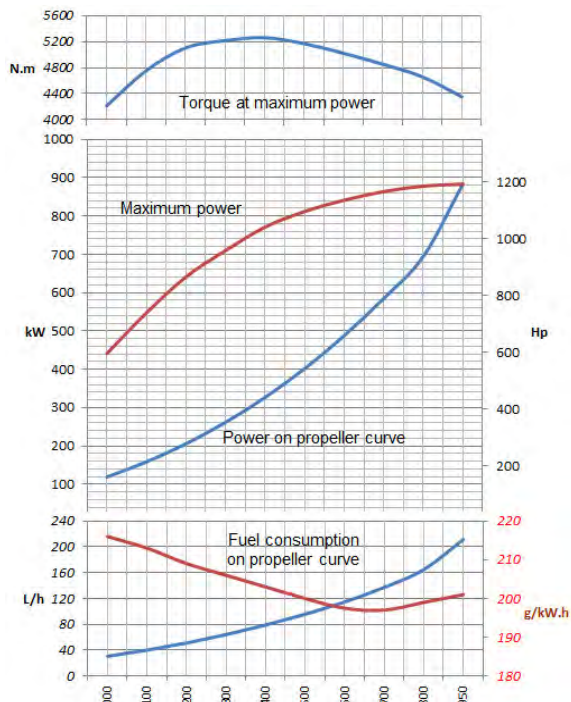
P1 rating - 736 kW / 1000 hp @ 1800 rpm



P2 rating - 808 kW / 1100 hp @ 1900 rpm



P2 rating - 883 kW / 1200 hp @ 1950 rpm



Speed: rpm

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