

# 8 M26.2



Not contractual picture

## 4 stroke diesel engine, direct injection

|                                     |              |
|-------------------------------------|--------------|
| Bore and stroke                     | 150 x 150 mm |
| Number of cylinders                 | 8 in V       |
| Total displacement                  | 21.2 litres  |
| Compression ratio                   | 14/1         |
| Engine rotation (ISO 1204 standard) | CCW *        |
| Idle speed                          | 700 rpm      |
| Weight (without water & oil)        | 2475 kg      |
| Flywheel housing                    | SAE 0        |
| Flywheel                            | SAE 14"      |

\* 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<br>(N.m / rpm) | Full load fuel<br>consumption (g / kW.h) | IMO | CE 97 / 68 | CCNR |
|------|------|-----|-----|------------------------------------|--|-----|------------|------|
| P1   | 1800 | 442 | 600 | 2696 / 1400                        | 203                                      | II  | IIIA       | II   |
| P1   | 1800 | 491 | 668 | 2948 / 1400                        | 209                                      | II  | IIIA       | II   |
| P2   | 1900 | 539 | 733 | 3110 / 1400                        | 220                                      | II  | IIIA       | II   |
| P2   | 1950 | 588 | 800 | 3393 / 1400                        | 233                                      | 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

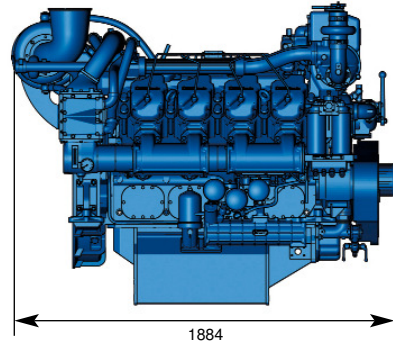
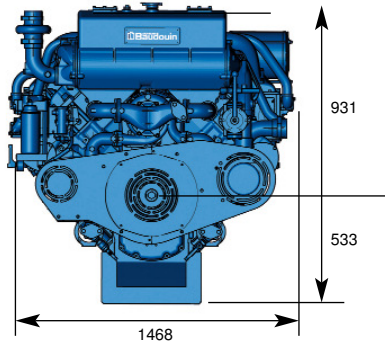
## OPTIONAL EQUIPMENTS (extract) \*

- 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

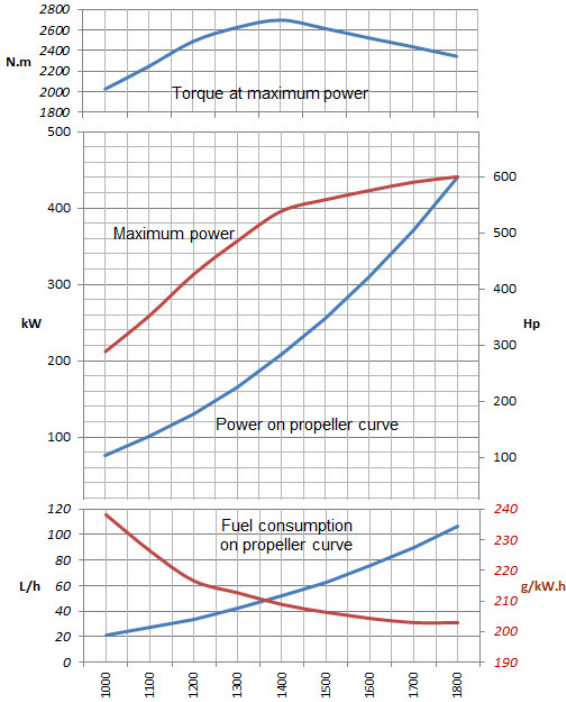
\* contact us for further information regarding our options.

**DIMENSIONS**

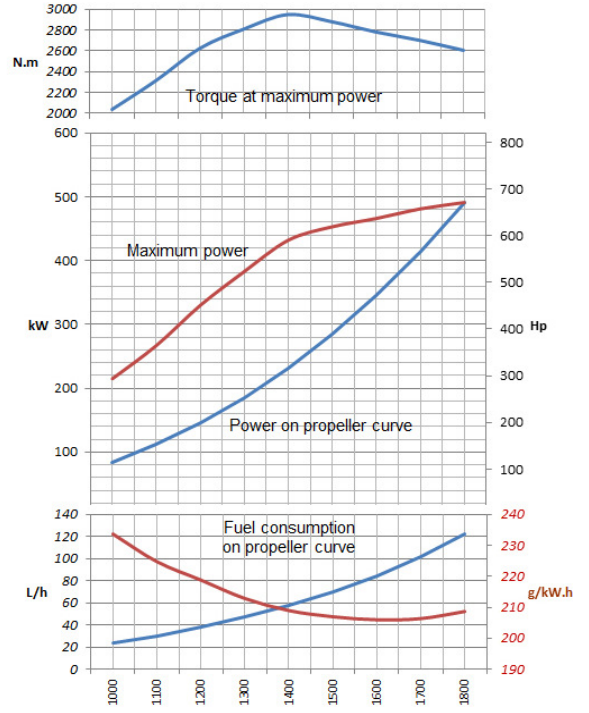


**PERFORMANCES**

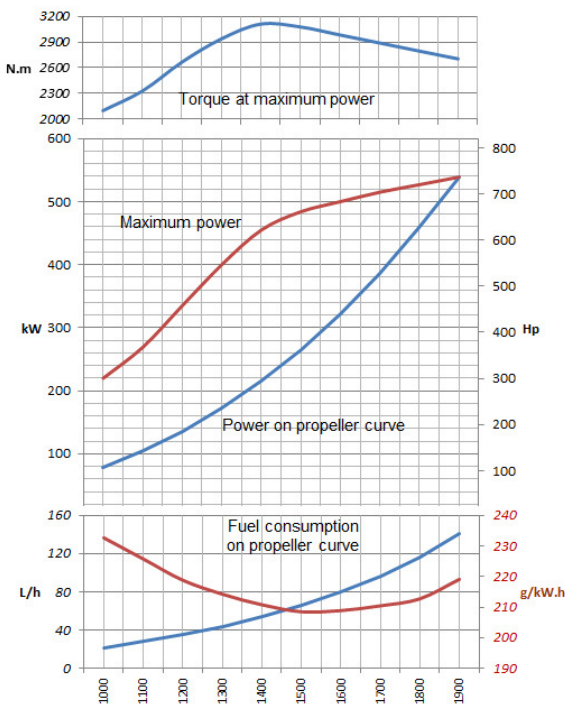
P1 rating - 442 kW / 600 hp @ 1800 rpm



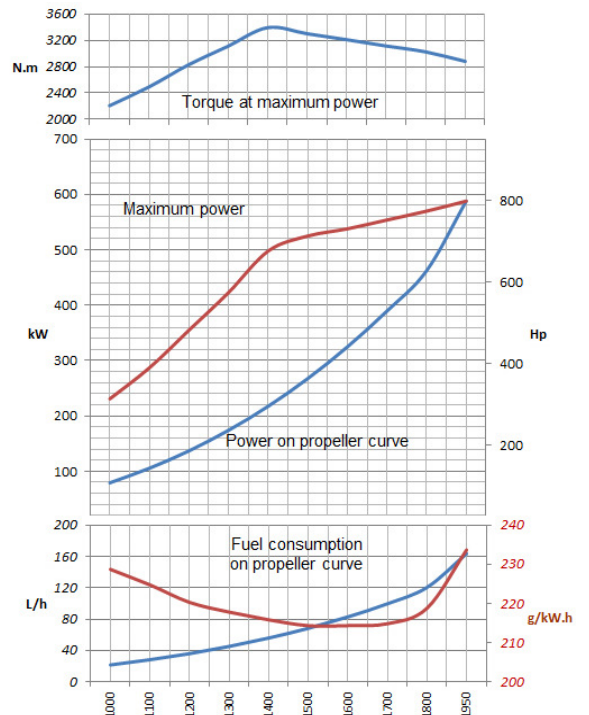
P1 rating - 491 kW / 668 hp @ 1800 rpm



P2 rating - 539 kW / 733 hp @ 1900 rpm



P2 rating - 588 kW / 800 hp @ 1950 rpm



Speed: rpm

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