6 M16

4 Stroke diesel engine, direct injection

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bore and stroke</td>
<td>126 x 130 mm</td>
</tr>
<tr>
<td>Number of cylinders</td>
<td>6 in line</td>
</tr>
<tr>
<td>Total displacement</td>
<td>9,70 litres</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>17:1</td>
</tr>
<tr>
<td>Engine rotation (ISO 1204 standard)</td>
<td>counterclockwise</td>
</tr>
<tr>
<td>Idle speed</td>
<td>650 rpm</td>
</tr>
<tr>
<td>Flywheel housing</td>
<td>SAE 1</td>
</tr>
<tr>
<td>Flywheel</td>
<td>SAE 14”</td>
</tr>
</tbody>
</table>

Customer benefits

- **Continuous compact power** with reference performances in its category
- **Global environment care** with low exhaust emissions and controlled fuel consumption at any running cycle
- **Simple technology with mechanical injection**
- **Life cycle cost efficiency** with extended mean time between overhauls (MBTO)

**Rated power - Fuel consumption**

<table>
<thead>
<tr>
<th>Duty</th>
<th>kW</th>
<th>hp</th>
<th>rpm</th>
<th>Fuel consumption g/kWh</th>
<th>IMO</th>
</tr>
</thead>
<tbody>
<tr>
<td>P2</td>
<td>264</td>
<td>360</td>
<td>2100</td>
<td>215</td>
<td>II</td>
</tr>
</tbody>
</table>

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

**P2 typical applications**
Passengers vessels, harbour tug boats, motorbarges, coastal freighters, tuna boats, seiners, netters, potting boats, longliners, buoys, supply vessels, oceanographic research vessels, commercial pleasure crafts

**Reference conditions**

- Ambient temperature: 25 °C / 77 °F
- Barometric pressure: 100 kPa
- Relative humidity: 30%R
- 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
**Standard equipment**

**Engine and block**
- Cast iron cylinder block, with replaceable cylinder liners
- Replaceable valves guides and seats
- Steel forged crankshaft with 7 bearings
- Light alloy piston with 3 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

**Lubrification system**
- Full flow oil filters
- Fresh water cooled lube oil cooler

**Fuel system**
- In line injection pump with flanged mechanical governor
- Double wall injection bundle
- Duplex fuel filters replaceable engine running
- Water separator

**Intake air and exhaust system**
- Exhaust gas manifold cooled by the engine fresh water
- Turbo blower with insulated turbine housing
- Low water temperature cooled intake air cooler

**Electrical system**
- Voltage: 24Vcc
- Electrical starter on flywheel crown
- 55A battery charger

**Dimensions and dry weight (mm / kg)**

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<table>
<thead>
<tr>
<th>1381</th>
<th>1514</th>
</tr>
</thead>
<tbody>
<tr>
<td>878</td>
<td>1056</td>
</tr>
</tbody>
</table>
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**Performance**

P2 - 264 kW - 360 hp @2100 rpm