**6 M33.2**

4 Stroke diesel engine, direct injection

- **Bore and stroke**: 150 x 185 mm
- **Number of cylinders**: 6 in line
- **Total displacement**: 19.6 litres
- **Compression ratio**: 15/1
- **Engine rotation (ISO 1204 standard)**: counterclockwise
- **Idle speed**: 650 rpm
- **Flywheel housing**: SAE 1
- **Flywheel**: SAE 14”

**Customer benefits**

- **Continuous compact power** with reference torque performance 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>Peak torque / speed (N.m / rpm)</th>
<th>l/h</th>
<th>IMO</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
<td>478</td>
<td>650</td>
<td>1600</td>
<td>204</td>
<td>3400 / 1000</td>
<td>116</td>
<td>II</td>
</tr>
<tr>
<td>P1</td>
<td>478</td>
<td>650</td>
<td>1800</td>
<td>211</td>
<td>3056 / 1300</td>
<td>120</td>
<td>II</td>
</tr>
<tr>
<td>P2</td>
<td>515</td>
<td>700</td>
<td>1800</td>
<td>209</td>
<td>3085 / 1300</td>
<td>128</td>
<td>II</td>
</tr>
<tr>
<td>P2</td>
<td>551</td>
<td>750</td>
<td>1800</td>
<td>214</td>
<td>3684 / 1400</td>
<td>141</td>
<td>II</td>
</tr>
</tbody>
</table>

**Application**

- **P1**: unrestricted continuous
- **P2**: continuous

**Engine load variations**

- **P1**: very little or none
- **P2**: Numerous

**Average engine load factor**

- **P1**: 80 to 100%
- **P2**: 30 to 80%

**Annual working time**

- **P1**: 5000 hr +
- **P2**: 3000 to 5000 h

**Time at full load**

- **P1**: unlimited
- **P2**: 8 h each 12 h

**Power definition**

Standard ISO 3046/1

**Reference conditions**

- **Ambient 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

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**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**

**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
- Fresh water cooled lube oil cooler
- Lube oil purifier with replaceable cartridge
- Manual prelubricating oil pump

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

**Intake air and exhaust system**
- Fresh water cooled turbo blower
- Fresh water cooled exhaust gas manifold

**Electrical system**
- Voltage: 24VDC
- Electrical starter on flywheel crown
- 175A battery charger
- Engine room and bridge panels

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

- 2390
- 1417
- 1138
- 1870
- 530
- 2390

Baudouin.com
Performance

P1 - 478 kW - 650 hp @1600rpm

P1 - 478 kW - 650 hp @1800rpm

P1 - 515 kW - 700 hp @1800 rpm

P2 - 551 kW - 750 hp @1800 rpm

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