6 WI26M

4 Stroke diesel engine, direct injection

Bore and stroke: 126 x 155 mm
Number of cylinders: 6 in line
Total displacement: 11,60 litres
Compression ratio: 18/1
Engine rotation (ISO 1204 standard): counterclockwise
Idle speed: 600 rpm
Flywheel housing: SAE 1
Flywheel: SAE 14”

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>I/h</th>
<th>IMO</th>
<th>CCNR</th>
<th>CE97/68</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
<td>294</td>
<td>400</td>
<td>1800</td>
<td>200</td>
<td>70</td>
<td>II</td>
<td>II</td>
<td>IIIA</td>
</tr>
<tr>
<td>P2</td>
<td>331</td>
<td>450</td>
<td>2100</td>
<td>210</td>
<td>83</td>
<td>II</td>
<td>II</td>
<td>IIIA</td>
</tr>
</tbody>
</table>

P1 duty

Application: unrestricted continuous
Engine load variations: very little or none
Average engine load factor: 80 to 100 %
Annual working time: more than 5000 h
Time at full load: unlimited

P2 duty

Application: continuous
Engine load variations: numerous
Average engine load factor: 30 to 80 %
Annual working time: 3000 to 5000 h
Time at full load: 8 h each 12 h

P1 typical applications

Deep sea trawlers, shrimps trawlers, sea going tug boats, river tug boats, push boats, freighters, dredges, LCT, ferries

P2 typical applications

Passengers vessels, harbour tug boats, motorbarges, coastal freighters, tuna boats, seiners, netters, potting boats, longliners, buoyers, supply vessels, oceanographic research vessels, commercial pleasure crafts

Power definition

Standard ISO 3046/1 - 1995 (F)

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
- Separate cast iron cylinder heads equipped with 4 valves
- Replaceable valves guides and seats
- Steel forged crankshaft with 7 bearings
- Lube oil cooled 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

**Lubrication system**
- Full flow duplex type 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**
- Insulated exhaust gas manifold
- Turbo blower with insulated turbine housing
- Low water temperature cooled intake air cooler

**Electrical system**
- Voltage: 24Vcc
- Electrical starter on flywheel crown
- 35A battery charger

### Optional equipment

- Cooling system adapted for box / keel cooling
- Connection for emergency raw water circuit
- Bilge pump
- Air starter
- Free end PTO
- Resilient mounts under engine
- Exhaust water injection after turbocharger

*contact us for further information regarding our options.*
Dimensions and dry weight (mm / kg)

<table>
<thead>
<tr>
<th></th>
<th>1200</th>
<th>1128</th>
<th>351</th>
<th>883</th>
<th>1695</th>
<th>351</th>
</tr>
</thead>
</table>

Performance

P1 - 294 kW - 400 hp @1800 rpm

P2 - 331 kW - 450 hp @2100 rpm

Moteurs Baudouin reserve the right to modify these specifications, without notice. Document not contractual.