The MAN 35/44DF embodies all the benefits of dual fuel flexibility. In gas mode, it complies fully with IMO Tier III standards. Based on the proven MAN 32/44CR, its reliable technology reduces daily maintenance and maximizes TBOs while ensuring safe operation in all fuel modes.

Benefits at a glance

- High efficiency
- High specific power output
- IMO Tier III-compliant in gas mode
- Full fuel flexibility
- High reliability and long maintenance intervals
General
- Engine cycle: Four-Stroke
- No. of cylinders: 6, 7, 8, 9, 10
- Bore: 350 mm – Stroke: 440 mm
- Swept volume per cyl: 42.3 dm³

Fuel consumption at 85% MCR
- SFOC: 175.5 g/kWh (liquid fuel operation)
- SFGC: 7515 kJ/kWh (gas operation)

Cylinder output (MCR)
- At 750 rpm: 530 kW
- At 720 rpm: 510 kW
- Power-to-weight ratio: 11.8 – 14.1 kg/kW

Compliance with emission regulations
- IMO Tier II
- IMO Tier III (with MAN SCR)

Main features
- Turbocharging system
  High efficiency constant pressure MAN TCR series exhaust turbocharging system

Optiona equipment
- Additional Power Take-Off at engine free end available

Dimensions

<table>
<thead>
<tr>
<th>Cyl. No.</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
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<tbody>
<tr>
<td>L</td>
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<tr>
<td>H</td>
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<td>Dry mass</td>
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<td>48.2</td>
<td>53.3</td>
<td>57.6</td>
<td>62.3</td>
</tr>
</tbody>
</table>

Output
- Speed: 750, 720 rpm
  - mean: 20.0, 20.1 bar

Propulsion
- MAN 6L35/44DF: 3,180, 3,060 kW
- MAN 7L35/44DF: 3,710, 3,570 kW
- MAN 8L35/44DF: 4,240, 4,080 kW
- MAN 9L35/44DF: 4,770, 4,590 kW
- MAN 10L35/44DF: 5,300, 5,100 kW

LHV of fuel gas ≥ 28,000 kJ/Nm³ (Nm³ corresponds to one cubic meter of gas at 0°C and 1.013 bar)
Minimum centreline distance for twin engine installation: 2,500 mm | V-engine type under preparation

1) Including built-on lube oil automatic filter, fuel oil filter and electronic equipment
Speed 720 rpm for generator drive only

Last updated August 2016