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
MAN L35/44DF
GenSet

**Dimensions***

<table>
<thead>
<tr>
<th>Cyl. No.</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>W (mm)</th>
<th>H (mm)</th>
<th>Dry mass** (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>6,270</td>
<td>3,900</td>
<td>10,170</td>
<td>2,956</td>
<td>4,631</td>
<td>85</td>
</tr>
<tr>
<td>7</td>
<td>6,900</td>
<td>4,100</td>
<td>11,000</td>
<td>3,108</td>
<td>4,867</td>
<td>94</td>
</tr>
<tr>
<td>8</td>
<td>7,480</td>
<td>11,880</td>
<td>3,108</td>
<td>4,867</td>
<td>4,867</td>
<td>103</td>
</tr>
<tr>
<td>9</td>
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<td>12,710</td>
<td>3,108</td>
<td>4,867</td>
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<td>110</td>
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<tr>
<td>10</td>
<td>8,690</td>
<td>13,490</td>
<td>3,108</td>
<td>4,867</td>
<td>4,867</td>
<td>118</td>
</tr>
</tbody>
</table>

*Dimensions are not final
**Depending on alternator used
***Based on nominal generator efficiencies of 96.5%

**Output**

<table>
<thead>
<tr>
<th>Speed</th>
<th>Frequency</th>
<th>MAN 6L35/44DF</th>
<th>MAN 7L35/44DF</th>
<th>MAN 8L35/44DF</th>
<th>MAN 9L35/44DF</th>
<th>MAN 10L35/44DF</th>
</tr>
</thead>
<tbody>
<tr>
<td>rpm</td>
<td>Hz</td>
<td>kW</td>
<td>kW</td>
<td>kW</td>
<td>kW</td>
<td>kW</td>
</tr>
<tr>
<td>750</td>
<td>50</td>
<td>3,180</td>
<td>3,710</td>
<td>4,240</td>
<td>4,770</td>
<td>5,300</td>
</tr>
<tr>
<td>750</td>
<td>50</td>
<td>3,069</td>
<td>3,580</td>
<td>4,092</td>
<td>4,603</td>
<td>5,115</td>
</tr>
<tr>
<td>720</td>
<td>60</td>
<td>3,060</td>
<td>3,570</td>
<td>4,080</td>
<td>4,590</td>
<td>5,100</td>
</tr>
<tr>
<td>720</td>
<td>60</td>
<td>2,953</td>
<td>3,445</td>
<td>3,937</td>
<td>4,429</td>
<td>4,922</td>
</tr>
</tbody>
</table>

**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: 7,515 kJ/kWh (gas operation)

**Cylinder output (MCR)**

- At 750 rpm: 530 kW
- At 720 rpm: 510 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 turbo-charging system

- **Engine automation and control**
  - MAN in-house developed engine attached safety and control system MAN SaCoSone

- **Fuel system**
  - Common rail pilot fuel injection system
  - Advanced electronic common rail main injection system

- **Gas system**
  - Cylinder individual low pressure gas admission system, 5 bar(g) at inlet of gas valve unit

- **Cooling system**
  - 1- or 2-string high and low temperature cooling water systems

- **Starting system**
  - Pressurized air starter (turbine type)

**Engine mounting**

- Common base frame for engine and alternator with integrated lube oil service tank and resilient mounting

**Front end concept**

- Auxiliary components attached on the base frame: lube oil cooler, lube oil filter, prelubricating pump, temperature control valves

**Last updated July 2018**