Packing the latest technology into minimal space, the MAN 175D GenSet is characterized by a clear-cut design, flexible ship integration, simple operation, and straightforward maintenance. Its modular design allows it to meet all the challenges of today’s different applications.

Benefits at a glance

- Clear and compact
- Advanced and robust
- Powerful and reliable
- Efficient and clean
MAN 175D

GenSet

Dimensions

<table>
<thead>
<tr>
<th>Cyl. No.</th>
<th>L1 (mm)</th>
<th>L (mm)</th>
<th>W (mm)</th>
<th>H (mm)</th>
<th>Dry mass (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>5,385</td>
<td>5,000</td>
<td>2,670</td>
<td>1,770</td>
<td>15.8</td>
</tr>
</tbody>
</table>

Output

<table>
<thead>
<tr>
<th>Engine model</th>
<th>MAN 12V175D-MEM</th>
<th>MAN 12V175D-MEL</th>
<th>MAN 12V175D-MA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating definitions</td>
<td>Diesel-electric medium duty</td>
<td>Diesel-electric light duty</td>
<td>Auxiliary duty</td>
</tr>
<tr>
<td>kWm</td>
<td>1,440</td>
<td>1,800</td>
<td>1,620</td>
</tr>
<tr>
<td>kW</td>
<td>1,382</td>
<td>1,728</td>
<td>1,555</td>
</tr>
<tr>
<td>rpm</td>
<td>1,500</td>
<td>1,800</td>
<td>1,500</td>
</tr>
<tr>
<td>Frequency (Hz)</td>
<td>50</td>
<td>60</td>
<td>50</td>
</tr>
<tr>
<td>SFOC at 100 % MCR</td>
<td>188</td>
<td>195</td>
<td>188</td>
</tr>
<tr>
<td>SFOC at 75 % MCR</td>
<td>194</td>
<td>203</td>
<td>193</td>
</tr>
</tbody>
</table>

General

- Standard base frame layout to suit all applications
- Resilient mounts between engine/alternator and base frame
- Modular common rail fuel injection system
- High efficiency MAN turbochargers
- Engine driven fuel feed pump
- HT and LT split cooling circuits with integrated pumps and thermostats
- Flexible piping elements for easy system integration
- Lube oil centrifuge for extended lube oil exchange intervals
- Base frame mounted coolant expansion tanks

Compliance with emission regulations

- IMO Tier II
- IMO Tier III (with MAN SCR)

Starting method

- Electric or compressed air

Optional equipment

- Air or freshwater cooled alternator
- Base frame mounted seawater cooler with engine driven sea water pump

Marine diesel-electric light duty

- For continuous power generation with variable load aboard vessels for diesel-electric drives
- Typical applications include, but are not limited to, navy, offshore vessels and yachts
- Average load: up to 50 %

Marine auxiliary

- For continuous power generation with variable load aboard vessels for auxiliary use
- Average load: up to 50 %

Rating definitions

Marine diesel-electric medium duty

- For continuous power generation with variable load aboard vessels for diesel-electric drives
- Typical applications include, but are not limited to, navy, offshore vessels and ferries
- Average load: up to 75 %

Last updated July 2018

All data provided in this document is non-binding. This data serves informational purposes only and is not guaranteed in any way. Depending on the subsequent specific individual projects, the relevant data may be subject to changes and will be assessed and determined individually for each project. This will depend on the particular characteristics of each individual project, especially specific site and operational conditions. Copyright © MAN Energy Solutions. D2366771-N3 Printed in Germany GGKM-AUG-18072