The solid and reliable MAN L27/38 delivers good performance over the entire load range with quick acceleration and immediate load response. Its proven reliability ensures long time between overhauls (TBO) and no unscheduled maintenance or repair work.

Benefits at a glance
- Reliable and easy operation
- Long time between overhauls
- Easy maintenance
**General**
- Engine cycle: Four-Stroke
- No. of cylinders: 6, 7, 8, 9
- Bore: 270 mm – Stroke: 380 mm
- Swept volume per cyl: 21.76 dm³

**Fuel consumption at 85% MCR**
- SFOC: 186 g/kWh

**Cylinder output (MCR)**
- At 800 rpm: 365 kW
- Power-to-weight ratio: 12.0 – 13.24 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
- Engine automation and control
  MAN in-house developed engine attached Safety and Control System SaCoR

**Optional equipment**
- 100% PTO on front-end with build on bearing enable Fi-Fi equipment
- Jet Assist for improved load response and start up time

**Dimensions**

<table>
<thead>
<tr>
<th>Cyl. No.</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>5,070</td>
<td>5,515</td>
<td>5,960</td>
<td>6,405</td>
</tr>
<tr>
<td>L₁</td>
<td>3,962</td>
<td>4,407</td>
<td>4,852</td>
<td>5,263</td>
</tr>
<tr>
<td>H</td>
<td>3,555</td>
<td>3,687</td>
<td>3,687</td>
<td>3,687</td>
</tr>
<tr>
<td>Dry mass</td>
<td>29.0</td>
<td>32.5</td>
<td>36.0</td>
<td>39.5</td>
</tr>
</tbody>
</table>

**Output**

<table>
<thead>
<tr>
<th>Speed</th>
<th>800 rpm</th>
<th>800 rpm (MDO*/MGO) rpm</th>
<th>rpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>mep</td>
<td>23.5</td>
<td>25.2</td>
<td>bar</td>
</tr>
<tr>
<td>MAN 6L27/38</td>
<td>2,040</td>
<td>2,190</td>
<td>kW</td>
</tr>
<tr>
<td>MAN 7L27/38</td>
<td>2,380</td>
<td>2,555</td>
<td>kW</td>
</tr>
<tr>
<td>MAN 8L27/38</td>
<td>2,720</td>
<td>2,920</td>
<td>kW</td>
</tr>
<tr>
<td>MAN 9L27/38</td>
<td>3,060</td>
<td>3,285</td>
<td>kW</td>
</tr>
</tbody>
</table>

Minimum centreline distance for twin engine installation: 2,500 mm
*MDO viscosity must not exceed 6 mm²/s = cSt at 40°C

Last updated August 2016