Technical Data

PA6 B N Emergency Diesel Generators

Bore 280 mm, Stroke 320 mm

Technical Specifications

<table>
<thead>
<tr>
<th>Voltage</th>
<th>kWm</th>
<th>KWe</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 V</td>
<td>4,200</td>
<td>4,074</td>
</tr>
<tr>
<td>14 V</td>
<td>5,600</td>
<td>5,432</td>
</tr>
<tr>
<td>16 V</td>
<td>6,300</td>
<td>6,111</td>
</tr>
<tr>
<td>20 V</td>
<td>7,000</td>
<td>6,790</td>
</tr>
</tbody>
</table>

50 Hz at 1,000 rpm (kWm/kWe)

<table>
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<tr>
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<th>kWm</th>
<th>KWe</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 V</td>
<td>4,440</td>
<td>4,310</td>
</tr>
<tr>
<td>14 V</td>
<td>5,920</td>
<td>5,740</td>
</tr>
<tr>
<td>16 V</td>
<td>6,660</td>
<td>6,460</td>
</tr>
<tr>
<td>20 V</td>
<td>7,400</td>
<td>7,180</td>
</tr>
</tbody>
</table>

Heat rate

- 8,412/8,672 kWe
- 8,497/8,760 kWm

Specific lube oil consumption

- 0,11 - 0,22 kg/cyl.h
- 0,10 - 0,21 kg/cyl.h

Dimensions

<table>
<thead>
<tr>
<th>Voltage</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 V</td>
<td>4,936</td>
<td>8,920</td>
<td>3,695</td>
<td>2,825</td>
</tr>
<tr>
<td>14 V</td>
<td>5,856</td>
<td>9,840</td>
<td>3,695</td>
<td>2,825</td>
</tr>
<tr>
<td>16 V</td>
<td>6,316</td>
<td>10,300</td>
<td>3,695</td>
<td>2,825</td>
</tr>
<tr>
<td>20 V</td>
<td>6,786</td>
<td>10,760</td>
<td>3,695</td>
<td>2,825</td>
</tr>
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</table>

Genset Dry Mass

- 70 t
- 80 t
- 90 t
- 98 t

Nominal generator efficiency: 97%. All dimensions and masses are approximate and subject to change without prior notice.
already proven their reliability and durability in a host whole nuclear power plant. PA diesel engines have engines play a vital role in ensuring the safety of the Nuclear-qualified diesel engines have entered service in demanding appli-

cations around the world. Many countries and con-
trollers have placed their trust in the PA6 B N engine drivers for emergency power systems in nuclear power plants.

Since it was first launched, more than 1,000 PA6 class engines have entered service in demanding appli-
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Achievenment of high demand applications is evidence of their quality, efficiency and reliability.

Quality assurance MAN Diesel & Turbo France is certified in accordance with the international quality assurance and environ-
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The PA6 B N Emergency Diesel Generators

They are fully certified for nuclear applications in numerous countries, including China, Russia, India, Japan, Korea and the USA.

Nuclear qualification is awarded only after stringent testing in accordance with standards such as the IAEA-287. This involves from 100 to as many as 200 consecutive hot and cold starts of the generating set.

Dependability in extreme conditions The PA6 engines are also Safety Class qualified, which demonstrates their ability to operate safely and reliably under seismic conditions. Certification is

The many standards that the PA engines have achieved either by computer simulation or physical testing.

The PA6 B N Emergency Diesel Generators

Power output to volume (and mass) ratio, this engine

The PA6 B N is particularly well suited for highly demanding applications is evidence of their quality, efficiency and reliability.

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