## Diesel Engine 6R 1000

for Oil and Gas Applications
with EPA Tier 4 and EU Stage IV Certification

### Dimensions and Masses

<table>
<thead>
<tr>
<th>Engine</th>
<th>Dimensions (LxWxH) mm (in)</th>
<th>Mass, dry kg (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6R 1000 C</td>
<td>1059x821x1033 (41.7 x 32.3 x 40.7)</td>
<td>705 (1555)¹</td>
</tr>
</tbody>
</table>

All dimensions are approximate, for complete information refer to the installation drawing.

¹ DIN 70020

### Engine Model

| Bore/stroke mm (in) | 110/135 (4.3/5.3) |
| Cylinder configuration | 6 inline |
| Displacement, total l (cu in) | 7.7 (470) |
| Fuel specification | DIN EN 590, ASTM D975 (DF1, DF2) |

### Engine Type

<table>
<thead>
<tr>
<th>Engine Type</th>
<th>Rated Power</th>
<th>Peak Torque</th>
<th>Fuel Consumption at rated power</th>
<th>Fuel Consumption at peak torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>kW</td>
<td>bhp</td>
<td>rpm</td>
<td>Nm</td>
</tr>
<tr>
<td>6R 1000 C 20</td>
<td>180</td>
<td>241</td>
<td>2200</td>
<td>1000</td>
</tr>
<tr>
<td>6R 1000 C 30</td>
<td>210</td>
<td>282</td>
<td>2200</td>
<td>1150</td>
</tr>
<tr>
<td>6R 1000 C 40</td>
<td>230</td>
<td>308</td>
<td>2200</td>
<td>1250</td>
</tr>
<tr>
<td>6R 1000 C 50</td>
<td>260</td>
<td>348</td>
<td>2200</td>
<td>1400</td>
</tr>
</tbody>
</table>

Ratings acc. to ECE R 120
Emissions: EPA 40 CFR 89 / Tier 4 final
EU 97/68/EC / Stage IV
<table>
<thead>
<tr>
<th>Standard Equipment</th>
<th>Optional Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 Volt starter</td>
<td>Exhaust brake system</td>
</tr>
<tr>
<td>28 Volt alternator, 100 A</td>
<td>SAE 2/3 flywheel housing</td>
</tr>
<tr>
<td>Common rail injection system</td>
<td>Aux REPTO</td>
</tr>
<tr>
<td>Electronic engine management</td>
<td>Air compressor</td>
</tr>
<tr>
<td>Electronic interface module</td>
<td>AC compressor</td>
</tr>
<tr>
<td>Turbo charging air to air cooling</td>
<td>Flex engine mounts</td>
</tr>
<tr>
<td>High pressure EGR system</td>
<td>Elevated fan drive</td>
</tr>
<tr>
<td>One-box aftertreatment system with SCR incl. muffler</td>
<td>Cooling fan</td>
</tr>
<tr>
<td>Close crankcase ventilation</td>
<td></td>
</tr>
<tr>
<td>SAE 1 flywheel housing</td>
<td></td>
</tr>
</tbody>
</table>

Reference conditions:
- Intake temperature: 25°C (77°F)
- Charge air temperature: 40°C
- Altitude: 200 m (656 ft)
- Air intake restriction: 25 mbar

Subject to change without notice. Customization possible. Engines illustrated in this document may feature options not fitted as standard to standard engine.