Industrial Diesel Engine 6R 1100/OM 470 for C&I, Mining, Agriculture and Forestry Applications with EU Stage V Certification

### Dimensions and Masses

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Dimensions (LxWxH) mm (in)</th>
<th>Mass, dry kg (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6R 1100 C01</td>
<td>1295 x 1029 x 1183 (50.9 x 40.5 x 46.6)</td>
<td>938 (2068)</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) | 125/145 (4.9/5.7) |
| Cylinder configuration | 6 inline |
| Displacement, total l (cu in) | 10.7 (652) |
| Fuel specification | DIN EN 590 Stand 2010ff |

### Engine Type

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated Power kW</th>
<th>bhp</th>
<th>rpm</th>
<th>Peak Torque Nm</th>
<th>lb-ft</th>
<th>rpm</th>
<th>Fuel Consumption at rated power g/kWh</th>
<th>Fuel Consumption at peak torque g/kWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>6R 1100 C11</td>
<td>240</td>
<td>322</td>
<td>1600</td>
<td>1700</td>
<td>1254</td>
<td>1300</td>
<td>188</td>
<td>187</td>
</tr>
<tr>
<td>6R 1100 C21</td>
<td>260</td>
<td>349</td>
<td>1600</td>
<td>1800</td>
<td>1328</td>
<td>1300</td>
<td>188</td>
<td>187</td>
</tr>
<tr>
<td>6R 1100 C31</td>
<td>280</td>
<td>375</td>
<td>1600</td>
<td>1900</td>
<td>1401</td>
<td>1300</td>
<td>188</td>
<td>187</td>
</tr>
<tr>
<td>6R 1100 C41</td>
<td>300</td>
<td>402</td>
<td>1600</td>
<td>2000</td>
<td>1475</td>
<td>1300</td>
<td>190</td>
<td>188</td>
</tr>
<tr>
<td>6R 1100 C51</td>
<td>320</td>
<td>429</td>
<td>1600</td>
<td>2100</td>
<td>1549</td>
<td>1300</td>
<td>195</td>
<td>191</td>
</tr>
<tr>
<td>6R 1100 C61</td>
<td>340</td>
<td>456</td>
<td>1600</td>
<td>2200</td>
<td>1623</td>
<td>1300</td>
<td>196</td>
<td>192</td>
</tr>
</tbody>
</table>

Ratings acc. to ECE R 120
Emissions: EU Nonroad Stage V (2016/1628)
EU Nonroad Stage V (2016/1628) + EPA Nonroad T4

manufactured by [Mercedes-Benz]
customized by [MTU]
### Standard Equipment

- 24 Volt Starter/Generator
- Common rail injection system
- Electronic engine management
- Electronic interface module
- Turbo charging air to air cooling
- High pressure EGR system
- One-box aftertreatment system with SCR/DPF incl. muffler
- Closed crankcase ventilation
- SAE 1 flywheel housing
- Exhaust brake system

### Optional Equipment

- 12 Volt Starter/Generator
- SAE 1/3 flywheel housing
- Aux REPTO
- Air compressor
- AC compressor
- Flex engine mounts
- Elevated fan drive
- Cooling fan
- Open crankcase ventilation

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.