**GPB17D**

**Electric Power 1.7MWe, Steam 5.0t/h, Dry Low Emissions**

High efficiency: electric 26.0%, overall 80.1%

Dry low emissions: NOx 9/15ppmv, CO 50ppmv (O2 = 15%)

High reliability & easy maintenance

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### Nominal Performance (Gas fuel)

<table>
<thead>
<tr>
<th>Amb.temp. °C</th>
<th>Electric Output kW</th>
<th>Heat Rate kJ/kWe-hr</th>
<th>Steam Output x10^6kg/hr</th>
<th>Electrical Efficiency %</th>
<th>Total Thermal Efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 (32)</td>
<td>1,910</td>
<td>13,160</td>
<td>5.2</td>
<td>27.4</td>
<td>77.8</td>
</tr>
<tr>
<td>15 (59)</td>
<td>1,630</td>
<td>13,870</td>
<td>5.0</td>
<td>26.0</td>
<td>80.1</td>
</tr>
<tr>
<td>40 (104)</td>
<td>1,200</td>
<td>15,910</td>
<td>4.8</td>
<td>22.6</td>
<td>83.6</td>
</tr>
</tbody>
</table>

### Nominal Performance

- Elevation: 0 m
- Inlet Air Temperature: 15 °C
- Inlet Air Pressure Loss: 0.98 kPa
- Exhaust Gas Pressure Loss: 2.45 kPa
- LHV of Natural Gas Fuel (100% CH4): 35.9 MJ/Nm³

### Typical Steam Condition

- Steam Pressure: 0.83 MPaG
- Steam Temperature (Saturated): 177 °C
- Feed Water Temperature: 80 °C
- Blowdown from HRSG: 0 %