GPB15D
Electric Power 1.5MWe, Steam 5.1t/h, Dry Low Emissions

High efficiency: electric 23.6%, overall 79.7%
Dry low emissions: NOx 25ppmv, CO 50ppmv (O2 15%)
High reliability & easy maintenance

Nominal Performance (Gas fuel)

<table>
<thead>
<tr>
<th>Amb.temp. °C</th>
<th>Electric Output kWe</th>
<th>Heat Rate kJ/kWe-hr</th>
<th>Steam Output x10^3 kg/hr</th>
<th>Electrical Efficiency %</th>
<th>Total Thermal Efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 (32)</td>
<td>1,630</td>
<td>14,810</td>
<td>5.3</td>
<td>24.3</td>
<td>77.8</td>
</tr>
<tr>
<td>15 (59)</td>
<td>1,450</td>
<td>15,280</td>
<td>5.1</td>
<td>23.6</td>
<td>79.7</td>
</tr>
<tr>
<td>40 (104)</td>
<td>1,116</td>
<td>17,140</td>
<td>4.9</td>
<td>21.0</td>
<td>82.8</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: 35.9 MJ/Nm³ (100% CH4)

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