GPB800D
Co-Generation system
Electric Power 7.7MWe, Steam 17.0 t/h, Dry Low Emissions

High efficiency: electric 33.3%, overall 83.2%
Dry low emissions: NOx 9/15ppmv, 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/kW-hr</th>
<th>Steam Output x10³ kg/hr</th>
<th>Electrical Efficiency %</th>
<th>Total Thermal Efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 (32)</td>
<td>8,260</td>
<td>10,610</td>
<td>17.2</td>
<td>33.9</td>
<td>81.7</td>
</tr>
<tr>
<td>15 (59)</td>
<td>7,670</td>
<td>10,820</td>
<td>17.0</td>
<td>33.3</td>
<td>83.2</td>
</tr>
<tr>
<td>40 (104)</td>
<td>6,120</td>
<td>11,580</td>
<td>16.1</td>
<td>31.1</td>
<td>86.4</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: 2.94 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 %