Announcing the world’s first 2-stage turbocharged gas engine – GE’s new Jenbacher J624. A new level of engineering excellence, the J624 offers you significant advantages, particularly in the area of multiple engine power plants for independent power generation and combined heat and power (CHP) solutions.

* Compared to single-stage turbocharged versions

**Product highlights**
- 24-cylinder
- proven compact design
- 50Hz: generator speed @ 1,500 rpm
- 60Hz: generator speed @ 1,800 rpm (with gearbox)
Benefits of a 2-stage turbo

While all gas engine applications work well with our new fuel flexible turbocharged J624 engine, there are two areas where you’ll find it excels – large power generation projects, including multiple engines, and CHP or cogeneration solutions – making the new J624 more economically practical than gas engines with single-stage turbocharging.

For Power Generation

Customer benefits:
- 46.5% electrical efficiency (46.2% - 60 Hz)
- Full output and efficiency at high ambient temperatures
- High power density
- Ease of transportation and installation
- Low operating and maintenance costs

Ideal for flexible power:
- Fast start-up time (5 minutes)
- Low start-up costs
- High part-load efficiency with multi-unit concept

For Cogeneration (CHP)

Customer benefits:
- Up to 90% total efficiency
- ~4.2 MW thermal output (70/90°C)

Ideal for district heating:
- Highly integrated system
- Minimal installation costs
- Flexible and modular design

Key technical data

<table>
<thead>
<tr>
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<th>50Hz</th>
<th>60Hz</th>
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<tbody>
<tr>
<td>GenSet dimensions l x w x h (m)</td>
<td>12 x 2.5 x 2.9</td>
<td>14 x 2.5 x 2.9</td>
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<tr>
<td>Weight (ton)</td>
<td>~47</td>
<td>~47</td>
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<tr>
<td>Engine Speed (rpm)</td>
<td>1,500</td>
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<tr>
<td>Generator Speed (rpm)</td>
<td>1,800</td>
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<tr>
<td>Bore / Stroke (mm)</td>
<td>190/220</td>
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<tr>
<td>Applicable gas types</td>
<td>natural gas</td>
<td>natural gas</td>
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Interested? For more information, please contact your Jenbacher gas engine Sales contact or visit our website at www.gejenbacher.com.

Efficiency performance is based on a new unit with a tolerance of ±5% (DIN-ISO 3046 and DIN 6271) at the test bench or immediately after commissioning. Effects of normal degradation during operation can be mitigated through regular service and maintenance work.