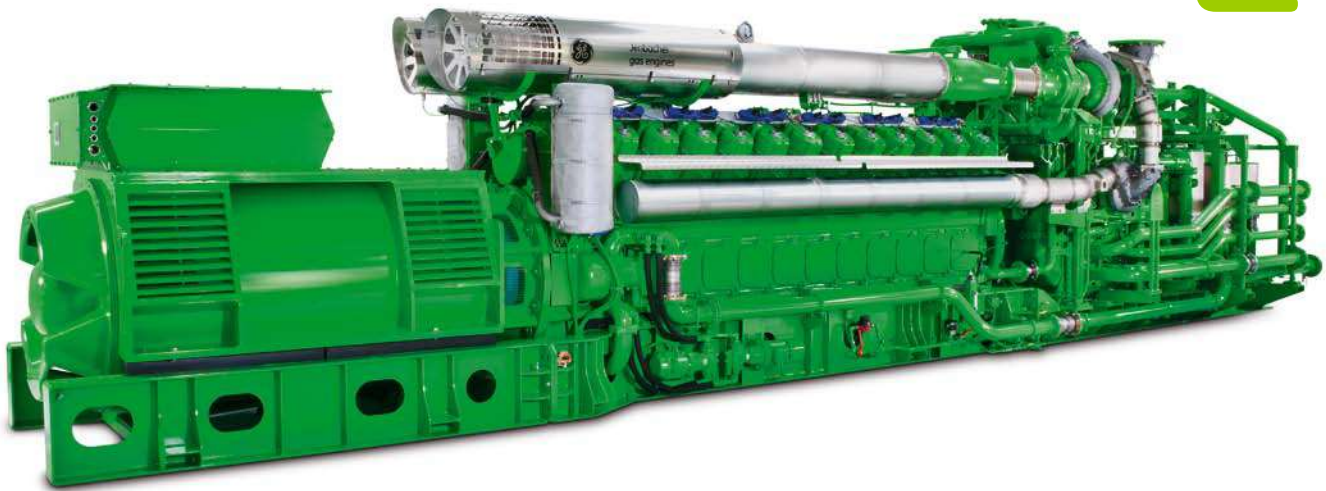


Jenbacher J624

2-stage turbocharged

Game-changing gas engine technology.

2



	P_{el}	η_{el}	η_{tot}	Lengths	Width	Height	Weight
50Hz	4,400kW	46.5%	90.0%	12m	2.5m	2.9m	~44t
60Hz	4,360kW	46.2%	89.7%	14m/46ft	2.5m/8ft	2.9m/10ft	~47t/104,000lb

@ ISO3046, PF=1, NOx=500 mg/Nm³ (@5%O₂), NOx<1.1g/bhp_hr, MN>80, LHV

Product highlights

- 24-cylinder
- proven compact design
- 50Hz: generator speed @ 1,500 rpm
- 60Hz: generator speed @ 1,800 rpm (with gearbox)

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.

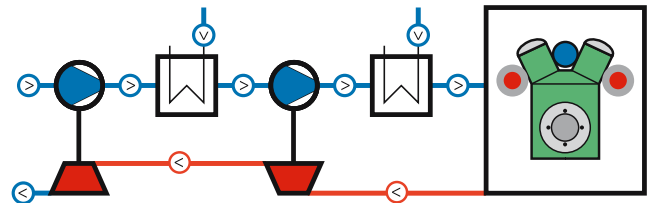
* Compared to single-stage turbocharged versions



GE imagination at work

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.



2-stage turbocharging concept

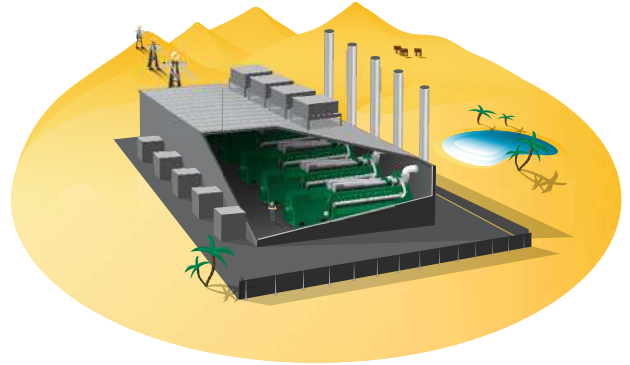
For Power Generation

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



Multiple Engine Concept

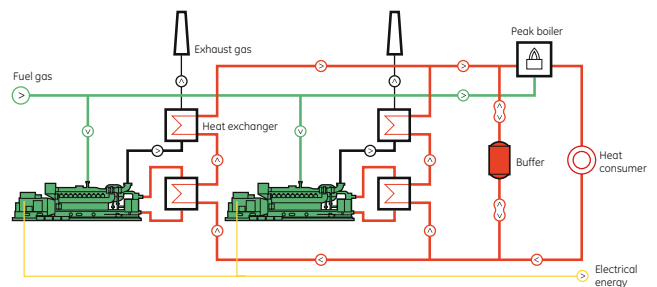
For Cogeneration (CHP)

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

	50Hz	60Hz
GenSet dimensions l x w x h (m)	12 x 2.5 x 2.9	14 x 2.5 x 2.9
Weight (ton)	~44	~47
Engine Speed (rpm)	1,500	1,500
Generator Speed (rpm)	1,500	1,800
Bore / Stroke (mm)	190/220	190/220
Applicable gas types	natural gas	natural gas

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.



GE imagination at work

www.TST-CO.com