

SPECIFICATIONS



75 MW 1995 Used GE Frame 6B PG6561B Natural Gas Turbine Combined Cycle Power Plant

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Description

The GE Frame 6B (model designation PG6561B) is a single-shaft, heavy-duty industrial gas turbine generator set rated at approximately 75 megawatts (MW), representing one of the most proven and widely deployed gas turbine platforms in the global power generation market. This 1995-vintage unit reflects the mature engineering of GE's Frame 6 lineage, offering a balance of robust mechanical design, operational reliability, and broad fuel compatibility.

The PG6561B features an axial-flow compressor with 17 stages and a three-stage turbine section, operating at a synchronous speed of 3,000 or 3,600 RPM depending on frequency configuration (50 Hz or 60 Hz). The unit delivers efficient simple-cycle performance and is fully capable of integration into combined heat and power (CHP) or combined cycle configurations to achieve higher overall thermal efficiency.

KEY FEATURES:

- Rated output: ~75 MW (ISO conditions)
- Fuel: Primary natural gas; dual-fuel conversion capability available
- Turbine: 3-stage reaction/impulse configuration
- Simple-cycle thermal efficiency: ~30–34%

ADVANTAGES

- **Lower Capital Cost:** Used units offer significant acquisition savings versus new equipment
- **Flexible Duty:** Suited for baseload, peaking, and emergency standby applications

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Manufacturer	GE
Model	Frame 6B (PG6561B)
Year	1995
Condition	Used
Location	Europe
Qty Available	1 Unit
Category	Natural Gas Turbines
Subcategory	> 99 MW
Stock Number	USP010776
Wattage	75 MW
Hours	5000 Hours
Frequency	50 Hz
Fuel Type	Natural Gas
Voltage	10500 Volts
Balance of Plant Available? (BOP)	-

Quick Access:

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Solutions: Power Plant Service and Maintenance

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