

SPECIFICATIONS



24.5 MW 2014 Used Siemens SGT-600 Natural Gas Turbine Generator Set

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Description

This gas turbine generator set is a proven industrial-grade power solution designed for reliable, continuous-duty operation on natural gas. Engineered with a single-shaft configuration and cold-end drive, it combines robust mechanical design with high thermal efficiency and low emissions, making it a dependable choice for a wide range of power applications.

Compact and modular in construction, this unit is well-suited for both greenfield installations and retrofit projects. It is particularly ideal for simple cycle, combined heat and power (CHP), and combined-cycle operations, where its strong part-load efficiency and high exhaust heat energy can be effectively utilized. The turbine's operational reliability is reinforced by a well-documented maintenance and service history, and its compatibility with modern digital control systems supports remote monitoring, diagnostics, and integration into plant-wide automation platforms.

KEY FEATURES:

- **Power Output:** 24.5 MW (ISO conditions)
- **Speed:** 5,100 rpm turbine; generator matched via gearbox
- **Combustion System:** Dry Low Emissions (DLE) combustion

ADVANTAGES:

- **High Operational Flexibility:** Suited for base-load, peaking, or cogeneration duties
- **Compact Design:** Small footprint simplifies installation and plant integration
- **Fuel Efficient:** Strong performance across varying load ranges with stable heat rate

Manufacturer	Siemens
Model	SGT-600
Year	2014
Condition	Used
Location	Africa
Qty Available	1 Unit
Category	Natural Gas Turbines
Subcategory	10 – 99 MW
Stock Number	USP010591
Wattage	24.5 MW
Hours	78000
Frequency	50 Hz
Fuel Type	Natural Gas
Voltage	-
Balance of Plant Available? (BOP)	-



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