

SPECIFICATIONS



45.3 MW 2022 New Siemens SGT-800 Dual Fuel (Natural Gas + Diesel) Turbine Generator Set

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Description

This is a new gas turbine generator set rated at 45.3 MW, configured for dual-fuel operation on natural gas and diesel oil. The unit offers high efficiency, low emissions, and excellent part-load performance, making it suitable for baseload, mid-merit, or peaking applications. Its dual-fuel capability ensures operational flexibility and fuel security, with seamless switching between fuels as needed. Supplied as a complete package, it includes the gas turbine, generator, fuel supply systems for both gaseous and liquid fuels, control and protection systems, and auxiliary equipment for reliable grid-connected operation.

KEY FEATURES:

- **Fuel flexibility:** Dual-fuel capability — natural gas (primary) and diesel oil (secondary)
- **Emissions control:** Equipped with Dry Low Emissions (DLE) combustion system for reduced NOx on gas fuel
- **Grid compatibility:** Suitable for 50 or 60 Hz with appropriate gearbox or direct drive options

ADVANTAGES:

- **Operational flexibility:** Can operate on either fuel for uninterrupted generation during fuel supply constraints
- **Wide application range:** Suitable for industrial, utility, and cogeneration/CHP projects

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|-----------------------------------|----------------------------------|
| Manufacturer | Siemens |
| Model | SGT-800 |
| Year | 2021; 2022 |
| Condition | New |
| Location | Europe |
| Qty Available | 3 Units |
| Category | Natural Gas Turbines |
| Subcategory | 10 – 99 MW |
| Stock Number | USP010791 |
| Wattage | 45.3 MW |
| Hours | Zero |
| Frequency | 50 Hz |
| Fuel Type | Dual Fuel (Natural Gas + Diesel) |
| Voltage | 7700 Volts |
| Balance of Plant Available? (BOP) | Available |

