

General Electric 7F.05 Gas Turbine Generator Package (60Hz)

A new zero hours and exceptionally well preserved 7FA Series 5 (7AF.05) Gas Turbine Generator package with unique capabilities and differentiating scope of supply including the following:

- New, immediately available and never installed Gas Turbine Generator Package with modifications implemented as of February 2016
- Well preserved in accordance with the OEM preservation standards GEK28156, GEK7613, and GEK28156
- Constantly monitored with monthly inspection and maintenance records available since initial storage in December 2014
- All critical and weather sensitive equipment stored in an insulated and secured warehouse building
- Extremely responsive with a fast start capacity of 241MW in 11 minutes
- Dry Low NOx combustion system with an emission rate of 5 PPM NOX
- Natural gas fired yet flexible and can be adopted to operate on distillate oil, lean methane fuels, pure ethane, syngas, light crude oil, Arabian Super Light (ASL) crude oil, and a variety of other fuels
- 14-stage compressor features 3D aerodynamic airfoils with super-finish for improved efficiency and reduced degradation
- Field-replaceable blades for improved maintainability
- 100 percent borescope coverage simplifies and fortifies inspections
- Triple Module Redundant (TMR) Speedtronic Mark VIe control system
- Rotor, bearings and performance monitoring system
- Gas Turbine natural gas purge credit and fast start package
- Gas Turbine maintenance tools

Scope of equipment supply includes the following:

- Gas turbine systems – Gas Turbine, combustion system, fuel system, lube oil system, hydraulic system, self-cleaning inlet system, exhaust system, load coupling, fire protection system including a water mist system, water wash skid, cooling water system, and starting system.
- Generator systems – Hydrogen cooled generator system, gas coolers, lube oil system, grounding equipment, temperature devices, excitation system, CTs, and VTs
- Controls and electric auxiliaries – PEECC, Mark VIe control panel, local operator station, generator protection panel, lead acid batteries, remote control and monitoring systems, and rotor, bearings and performance monitoring systems
- Gas Turbine natural gas purge credit and fast start package
- O&M manuals
- Gas Turbine maintenance tools
- GTG installation equipment