

GE10 Gas Turbine

SPECIFICATIONS



Axial Compressor

- 11-Stage Axial Flow
- 15.5:1 Pressure Ratio

Combustion Chamber

- Single Can Combustor
- Pollution prevention: DLN Gas Available
DLN Dual Fuel Available

Turbine

GE 10-1

- 3-Stage HP Turbine-11000rpm

GE 10-2

- 2-Stage LP Turbine-7900rpm
- LP Turbine: Variable 1st Stage Nozzle
- 2-Stage LP Turbine-11000rpm

Nominal Rating - ISO

At 15 °C, Sea Level, No External Pressure Losses, Relative Humidity 60%, Natural Gas Fuel with LHV = 32 to 44 MJ/Nm³,

	GE 10-1	GE 10-2
THERMAL EFFICIENCY (%)	-	32.6
ELECTRICAL OUTPUT POWER (kW)	11250	11690
ELECTRICAL EFFICIENCY (%)	31.4	-
EXHAUST FLOW (kg/sec)	47	47
EXHAUST TEMPERATURE (°C)	490	490



GE Power Systems
Oil & Gas

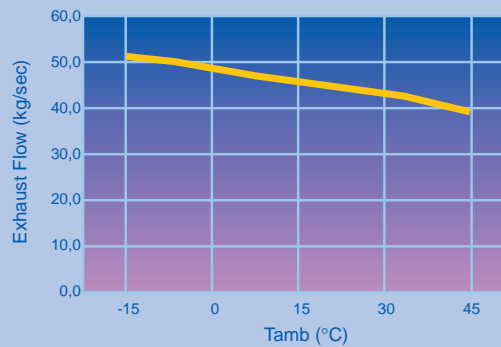
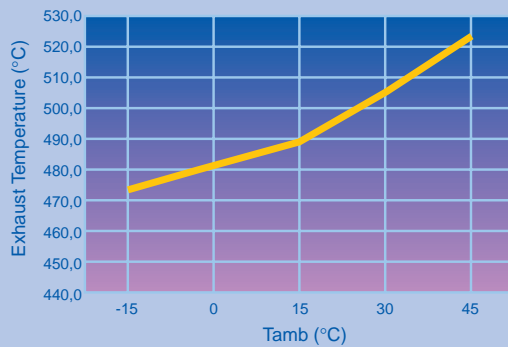


GE10 Gas Turbine

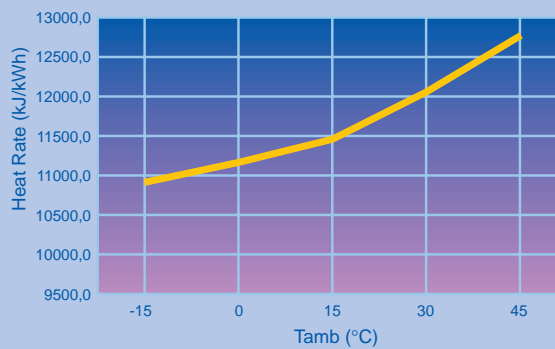
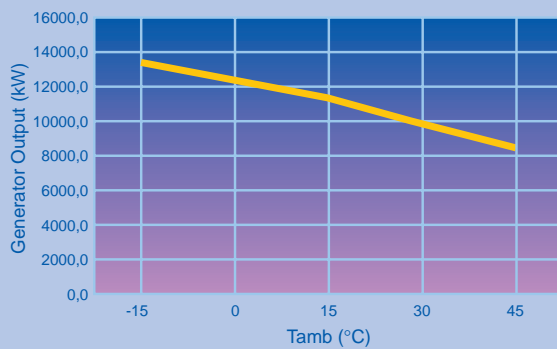
Performance Curves



Effect of Compressor Inlet Temperature on Exhaust Temperature and Exhaust Flow
Base Load with zero inlet and zero exhaust pressure drops at Sea Level, 60% RH - Natural Gas



Effect of Compressor Inlet Temperature on Output and Heat Rate
Base Load with zero inlet and zero exhaust pressure drops at Sea Level, 60% RH - Natural Gas



Steam Production

