

SIEMENS

Ingenuity for life



Industrial gas turbine SGT-800

Power generation 47.5 – 57.0 MW(e)

	47.5 MW	50.5 MW	54.0 MW	57.0 MW
Gross efficiency	37.7%	38.3%	39.1%	40.1%
Heat rate	9,547 kJ/kWh / 9,048 btu/kWh	9,389 kJ/kWh / 8,899 btu/kWh	9,206 kJ/kWh / 8,725 btu/kWh	8,970 kJ/kWh / 8,502 btu/kWh
Turbine speed	6,608 rpm	6,608 rpm	6,608 rpm	6,608 rpm
Pressure ratio	20.1:1	21.0:1	21.4:1	21.8:1
Exhaust gas flow	132.8 kg/s (292.8 lb/s)	134.2 kg/s (295.8 lb/s)	135.5 kg/s (298.7 lb/s)	136.6 kg/s (301.2 lb/s)
Exhaust temperature	541° C (1,007° F)	553° C (1,027° F)	563° C (1,045° F)	565° C (1,049° F)

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