

Industrial gas turbine SGT-300



[siemens-energy.com/gasturbines](https://www.siemens-energy.com/gasturbines)

	Simple cycle	Mech. Drive	Mech. Drive
Power	7.9 MW	8.4 MW (11,214 hp)	9.1 MW (12,317 hp)
Gross efficiency	30.8%	35.3%	36%
Heat rate	11,704 kJ/kWh (11,089 Btu/kWh)	10,204 kJ/kWh (7,212 Btu/hph)	10,003 kJ/kWh (7,070 Btu/hph)
Turbine speed	14,045 rpm	5,750/11,500/12,075 rpm	5,750/11,500/12,075 rpm
Pressure ratio	13.7:1	13.5:1	14.1:1
Exhaust mass flow	30.2 kg/s (66.6 lb/s)	29.5 kg/s (65.0 lb/s)	30.4 kg/s (67.0 lb/s)
Exhaust temperature	543°C (993°F)	490°C (914°F)	504°C (939°F)