

Industrial gas turbine SGT-750



Capable to burn

40%*
hydrogen



* H₂ content in natural gas
(volume percent)

Power generation: 39.8 MW(e)

Mechanical drive: 41 MW

Mechanical drive: 34 MW

Gross efficiency	40.3%	41.6%	40.4%
Heat rate	8,922 kJ/kWh (8,456 btu/kWh)	8,661 kJ/kWh (8,209 btu/kWh)	8,912 kJ/kWh (8,447 Btu/kWh)
Turbine speed	6,100 rpm	3,050–6,405 rpm	3,050–6,405 rpm
Pressure ratio	24.3:1	24.3:1	21.9:1
Exhaust mass flow	115.4 kg/s (254.4 lb/s)	115.4 kg/s (254.4 lb/s)	107.5 kg/s (237.0 lb/s)
Exhaust temperature	468 °C (875 °F)	468 °C (875 °F)	439 °C (821 °F)



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NOTE: All performance values are based on standard design, ISO ambient conditions and natural gas fuel.