SIEMENS energy

SGT-A05 Aeroderivative Gas Turbine



30%*
Hydrogen capable gas turbine

* DLE and WLE

Power generation 4.0 / 5.4 / 5.8 MW(e)

	SGT-A05 KB5S	SGT-A05 KB7S	SGT-A05 KB7HE
Power output	4.0 MW(e)	5.4 MW(e)	5.8 MW(e)
Gross efficiency	29.7%	32.3%	33.2%
Heat rate	12,137 kJ / kWh / 11,504 btu / kWh	11,146 kJ / kWh / 10,570 (btu / kWh)	10,889 kJ / kWh / 10,282 btu / kWh
Turbine speed	14,200 rpm	14,600 rpm	14,600 rpm
Pressure ratio	10.3:1	14.2:1	14.4:1
Exhaust mass flow	15.4 kg / s (34.0 lb / s)	21.3 kg / s (47.0 lb / s)	21.4 kg / s (47.1 lb / s)
Exhaust temperature	560 °C (1,040 °F)	495 °C (921 °F)	508 °C (972 °F)

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