



# 9HA POWER PLANTS

**446-571 MW**  
SIMPLE CYCLE OUTPUT

**>64%**  
COMBINED CYCLE EFFICIENCY



## CAPABILITY

Outstanding grid capability with fast plant response suitable for interconnected grid or captive power plant applications



## VERSATILITY

Wide gas variability, including high ethane (shale) gas and LNG



## SUSTAINABILITY

Lowest air emissions (NO<sub>x</sub>, CO<sub>2</sub>) across all forms of fossil fuel-based power generation

Marrying sheer power with record-breaking efficiency, the 9HA gas turbine delivers a validated, all around solution for demanding customer economics. It offers the most cost-effective conversion of fuel to electricity as well as industry-leading operational flexibility for increased dispatch and ancillary revenue. Streamlined maintenance completes the offering, creating an ideal solution to meet increasingly dynamic power demands across a range of applications.

		9HA.01	9HA.02
SC Plant Performance	SC Net Output (MW)	446	571
	SC Net Heat Rate (Btu/kWh, LHV)	7,910	7,773
	SC Net Heat Rate (kJ/kWh, LHV)	8,346	8,201
	SC Net Efficiency (% , LHV)	43.1%	43.9%
1x CC Plant Performance	CC Net Output (MW)	661	838
	CC Net Heat Rate (Btu/kWh, LHV)	5,378	5,320
	CC Net Heat Rate (kJ/kWh, LHV)	5,674	5,613
	CC Net Efficiency (% , LHV)	63.5%	64.1%
	Plant Turndown – Minimum Load (%)	33.0%	33.0%
	Ramp Rate (MW/min)	65	88
2x CC Plant Performance	Startup Time (RR Hot, Minutes)	<30	<30
	CC Net Output (MW)	1,324	1,680
	CC Net Heat Rate (Btu/kWh, LHV)	5,369	5,306
	CC Net Heat Rate (kJ/kWh, LHV)	5,664	5,598
	CC Net Efficiency (% , LHV)	63.6%	64.3%
	Plant Turndown – Minimum Load (%)	15.0%	15.0%
	Ramp Rate (MW/min)	130	176
Startup Time (RR Hot, Minutes)	<30	<30	

NOTE: All ratings are net plant, based on ISO conditions and natural gas fuel. Actual performance will vary with project-specific conditions and fuel.