

# 9E

## HEAVY DUTY GAS TURBINE

50<sub>Hz</sub>



**132-147 MW** SIMPLE CYCLE OUTPUT

**>55%** COMBINED CYCLE EFFICIENCY

GE'S 9E.04 CAN RUN ON MORE THAN 52 TYPES OF FUEL WHILE DRASTICALLY REDUCING EMISSIONS WITH PROVEN DLN COMBUSTION TECHNOLOGY.



	9E.03	9E.04	
1X SC PLANT PERFORMANCE	SC Net Output (MW)	132	147
	SC Net Heat Rate (Btu/kWh, LHV)	9,960	9,238
	SC Net Heat Rate (kJ/kWh, LHV)	10,508	9,747
	SC Net Efficiency (% LHV)	34.3%	36.9%
1X CC PLANT PERFORMANCE	CC Net Output (MW)	205	218
	CC Net Heat Rate (Btu/kWh, LHV)	6,421	6,203
	CC Net Heat Rate (kJ/kWh, LHV)	6,775	6,545
	CC Net Efficiency (% LHV)	53.1%	55.0%
	Plant Turndown - Minimum Load (%)	45.0%	46.0%
	Ramp Rate (MW/min)	50	29
	Startup Time (RR Hot†, Minutes)	38	38
2X CC PLANT PERFORMANCE	CC Net Output (MW)	412	439
	CC Net Heat Rate (Btu/kWh, LHV)	6,372	6,166
	CC Net Heat Rate (kJ/kWh, LHV)	6,723	6,505
	CC Net Efficiency (% LHV)	53.5%	55.3%
	Plant Turndown - Minimum Load (%)	22.0%	22.0%
	Ramp Rate (MW/min)	100	58
Startup Time (RR Hot†, Minutes)	38	38	

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

† Rapid Response/Hot Start

The 9E is a robust, proven platform that helps deliver high availability, reliability, and durability. The 9E.04 represents the most recent addition to the 9E family, delivering more power and performance with a new 4 stage turbine module that fits within the same footprint as an already installed 9E gas turbine unit. A strong performer in a variety of applications, the 9E provides a wide range of fuels capability, and can even switch fuels while running under full load.

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