

9F

HEAVY DUTY GAS TURBINE

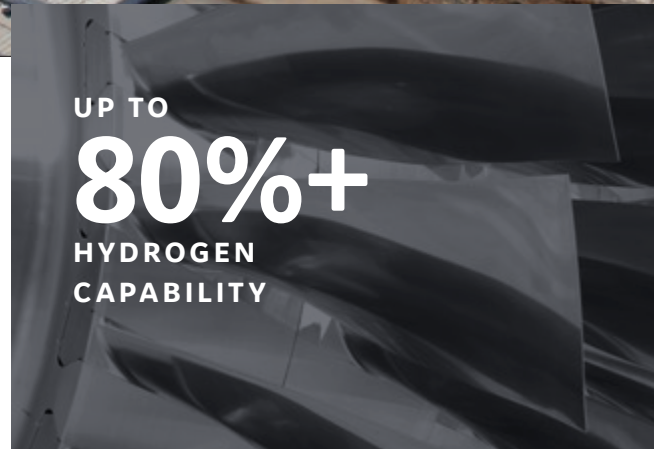
50 Hz



288-314 MW SIMPLE CYCLE OUTPUT

>60% COMBINED CYCLE EFFICIENCY

THE 9F.05 HEAVY DUTY GAS TURBINE PROVIDES COMBINED CYCLE EFFICIENCY OF MORE THAN 60% WITH LOW 15 PPM NOx EMISSIONS.



	9F.04	9F.05	
SC PLANT PERFORMANCE	SC Net Output (MW)	288	314
	SC Net Heat Rate (Btu/kWh, LHV)	8,810	8,846
	SC Net Heat Rate (kJ/kWh, LHV)	9,295	9,333
	SC Net Efficiency (% LHV)	38.7%	38.6%
1X CC PLANT PERFORMANCE	CC Net Output (MW)	443	493
	CC Net Heat Rate (Btu/kWh, LHV)	5,666	5,619
	CC Net Heat Rate (kJ/kWh, LHV)	5,978	5,928
	CC Net Efficiency (% LHV)	60.2%	60.7%
	Plant Turndown - Minimum Load (%)	48.0%	43.0%
	Ramp Rate (MW/min)	22	26
	Startup Time (RR Hot†, Minutes)	30	30
2X CC PLANT PERFORMANCE	CC Net Output (MW)	889	989
	CC Net Heat Rate (Btu/kWh, LHV)	5,649	5,603
	CC Net Heat Rate (kJ/kWh, LHV)	5,960	5,911
	CC Net Efficiency (% LHV)	60.4%	60.9%
	Plant Turndown - Minimum Load (%)	22.0%	20.0%
	Ramp Rate (MW/min)	44	52
Startup Time (RR Hot†, Minutes)	39	39	

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

With over 450 units deployed to more than 40 countries, GE has the largest operating and most experienced 50 Hz F-Class fleet in the world. Our 9F gas turbine delivers consistent performance and accommodates a diverse range of fuels, making it ideal for a variety of combined cycle and CHP applications. The simple and robust air-cooled architecture is designed for longer parts durability and extended service inspection intervals, making the 9F an ideal choice for life-cycle value.

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