

7F

HEAVY DUTY GAS TURBINE

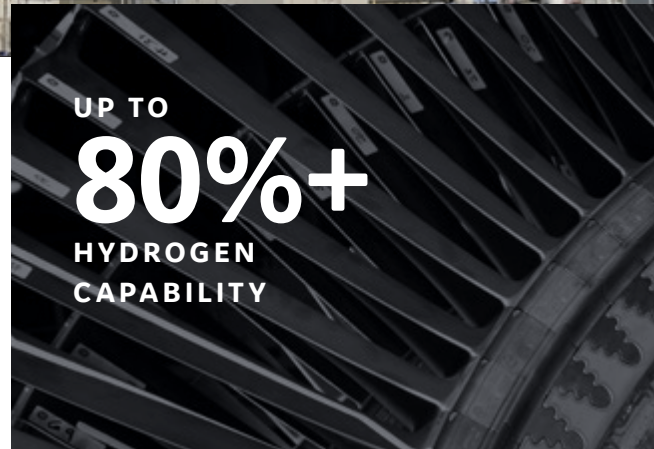
60 Hz



201-239 MW SIMPLE CYCLE OUTPUT

>60% COMBINED CYCLE EFFICIENCY

THE 7F.05, A FLEXIBLE, EFFICIENT, AND RELIABLE SOLUTION TO PARTNER WITH THE DYNAMIC OPERATING DEMANDS OF RENEWABLE ENERGY.



	7F.04	7F.05	
SC PLANT PERFORMANCE	SC Net Output (MW)	201	239
	SC Net Heat Rate (Btu/kWh, LHV)	8,873	8,871
	SC Net Heat Rate (kJ/kWh, LHV)	9,362	9,359
	SC Net Efficiency (% LHV)	38.5%	38.5%
1X CC PLANT PERFORMANCE	CC Net Output (MW)	309	379
	CC Net Heat Rate (Btu/kWh, LHV)	5,716	5,667
	CC Net Heat Rate (kJ/kWh, LHV)	6,031	5,979
	CC Net Efficiency (% LHV)	59.7%	60.2%
	Plant Turndown - Minimum Load (%)	58.0%	46.0%
	Ramp Rate (MW/min)	30	40
Startup Time (RR Hot†, Minutes)	28	25	
2X CC PLANT PERFORMANCE	CC Net Output (MW)	622	762
	CC Net Heat Rate (Btu/kWh, LHV)	5,675	5,640
	CC Net Heat Rate (kJ/kWh, LHV)	5,987	5,951
	CC Net Efficiency (% LHV)	60.1%	60.5%
	Plant Turndown - Minimum Load (%)	27.0%	22.0%
	Ramp Rate (MW/min)	60	80
Startup Time (RR Hot†, Minutes)	28	25	

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 first 7F gas turbine started commercial operation in 1990 and is still operational and producing electricity today. With more than 950 installed units producing ~175 GW of power in 11 countries, the 7F is the workhorse of the F-Class fleet. The 7F has been relevant for 30 years and continuous technological innovations and investments have ensured it is still an industry leading solution.