

>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 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%
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
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
	SC Net Heat Rate (Btu/kWh, LHV) SC Net Heat Rate (kJ/kWh, LHV) SC Net Efficiency (%, LHV) CC Net Output (MW) CC Net Heat Rate (Btu/kWh, LHV) CC Net Heat Rate (kJ/kWh, LHV) CC Net Efficiency (%, LHV) Plant Turndown – Minimum Load (%) Ramp Rate (MW/min) Startup Time (RR Hot†, Minutes) CC Net Output (MW) CC Net Heat Rate (Btu/kWh, LHV) CC Net Heat Rate (kJ/kWh, LHV) CC Net Heat Rate (kJ/kWh, LHV) Plant Turndown – Minimum Load (%) Ramp Rate (MW/min)	SC Net Output (MW) 201 SC Net Heat Rate (Btu/kWh, LHV) 8,873 SC Net Heat Rate (kJ/kWh, LHV) 9,362 SC Net Efficiency (%, LHV) 38.5% CC Net Output (MW) 309 CC Net Heat Rate (Btu/kWh, LHV) 5,716 CC Net Heat Rate (kJ/kWh, LHV) 6,031 CC Net Efficiency (%, LHV) 59.7% Plant Turndown - Minimum Load (%) 58.0% Ramp Rate (MW/min) 30 Startup Time (RR Hot [†] , Minutes) 28 CC Net Output (MW) 622 CC Net Heat Rate (Btu/kWh, LHV) 5,675 CC Net Heat Rate (kJ/kWh, LHV) 5,987 CC Net Efficiency (%, LHV) 60.1% Plant Turndown - Minimum Load (%) 27.0% Ramp Rate (MW/min) 60

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.

HYDROGEN CAPABILITY

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