

# 7E

HEAVY DUTY GAS TURBINE

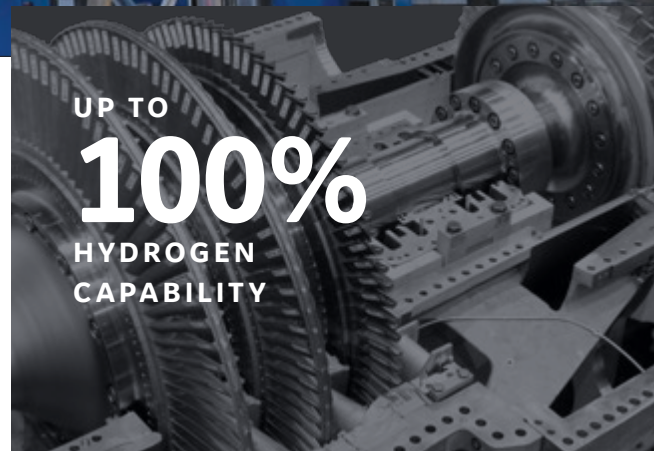
60<sub>Hz</sub>



**90 MW** SIMPLE CYCLE OUTPUT

**>52%** COMBINED CYCLE EFFICIENCY

THE 7E ACCOMMODATES A FULL RANGE OF FUEL OPTIONS WHILE DELIVERING BETTER RELIABILITY AND LOWER EMISSIONS THAN OTHER TECHNOLOGIES IN ITS CLASS.



		7E.03
SC PLANT PERFORMANCE	SC Net Output (MW)	90
	SC Net Heat Rate (Btu/kWh, LHV)	10,107
	SC Net Heat Rate (kJ/kWh, LHV)	10,664
	SC Net Efficiency (% LHV)	33.8%
1X CC PLANT PERFORMANCE	CC Net Output (MW)	140
	CC Net Heat Rate (Btu/kWh, LHV)	6,514
	CC Net Heat Rate (kJ/kWh, LHV)	6,873
	CC Net Efficiency (% LHV)	52.4%
	Plant Turndown – Minimum Load (%)	45.0%
	Ramp Rate (MW/min)	40
	Startup Time (RR Hot <sup>†</sup> , Minutes)	35
2X CC PLANT PERFORMANCE	CC Net Output (MW)	283
	CC Net Heat Rate (Btu/kWh, LHV)	6,454
	CC Net Heat Rate (kJ/kWh, LHV)	6,809
	CC Net Efficiency (% LHV)	52.9%
	Plant Turndown – Minimum Load (%)	22.0%
Ramp Rate (MW/min)	80	
Startup Time (RR Hot <sup>†</sup> , Minutes)	35	

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

<sup>†</sup> Rapid Response/Hot Start

When reliability and availability are critical, customers turn to GE’s 7E gas turbine. Whether providing raw horsepower to drive industrial and petrochemical processes, or steady, reliable output for CHP operation, the 7E delivers. Known for its world-leading fuel handling equipment and combustion system options, the 7E includes tri-fuel capability, which allows fuel switching while running or shutdown.