

6B



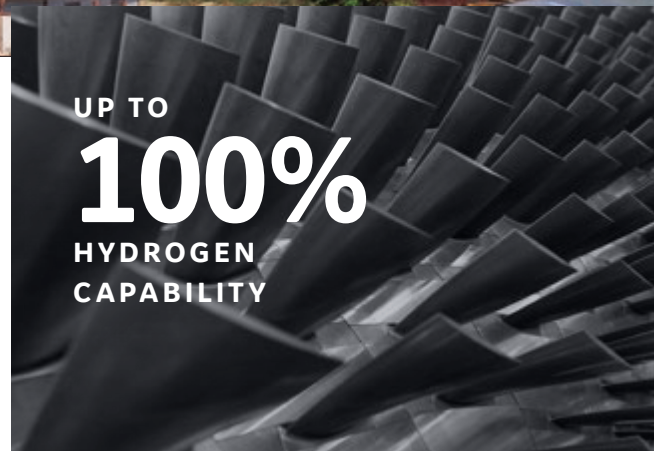
HEAVY DUTY GAS TURBINE

50/60 Hz (geared)

45 MW SIMPLE CYCLE OUTPUT

>51% COMBINED CYCLE EFFICIENCY

THE 6B OPERATES ON A WIDE RANGE OF GASEOUS AND LIQUID FUELS, INCLUDING UP TO 100% HYDROGEN, ALLOWING FOR USE OF THE MOST ECONOMICAL AND CARBON-SENSITIVE FUELS AVAILABLE.



		6B.03
SC PLANT PERFORMANCE	SC Net Output (MW)	45
	SC Net Heat Rate (Btu/kWh, LHV)	10,216
	SC Net Heat Rate (kJ/kWh, LHV)	10,779
	SC Net Efficiency (% LHV)	33.4%
1X CC PLANT PERFORMANCE	CC Net Output (MW)	70
	CC Net Heat Rate (Btu/kWh, LHV)	6,578
	CC Net Heat Rate (kJ/kWh, LHV)	6,940
	CC Net Efficiency (% LHV)	51.9%
	Plant Turndown - Minimum Load (%)	41.0%
	Ramp Rate (MW/min)	20
	Startup Time (RR Hot†, Minutes)	30
2X CC PLANT PERFORMANCE	CC Net Output (MW)	141
	CC Net Heat Rate (Btu/kWh, LHV)	6,515
	CC Net Heat Rate (kJ/kWh, LHV)	6,874
	CC Net Efficiency (% LHV)	52.4%
	Plant Turndown - Minimum Load (%)	20.0%
	Ramp Rate (MW/min)	40
Startup Time (RR Hot†, Minutes)	30	

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

Rugged, versatile, and reliable is the best way to describe plants utilizing GE's 6B.03 gas turbine. The turbine can ramp to 20 MW in less than five minutes and accommodate nearly every non-standard fuel in cogeneration and industrial power operations. Capable of black starts on volatile grid environments, the 6B.03 remains a preferred solution for remote installation and extreme operation conditions. Pre-installed gas turbine packaging means easier transport and faster site installation—as quick as six months from order to operation. GE has built more than 1,100 6B units, and the platform has exceeded 90 million running hours.

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GEA32936B (08/2021)