

GT13E2

HEAVY DUTY GAS TURBINE

50_{Hz}



195-210 MW SIMPLE CYCLE OUTPUT

>55% COMBINED CYCLE EFFICIENCY

THE GT13E2 HAS TWO OPERATING MODES TO PRIORITIZE EITHER OUTPUT OR AVAILABILITY, AND CAN OPERATE IN EXTREME CONDITIONS FROM -50°C TO +55°C.



	GT13E2-190	GT13E2-210	
SC PLANT PERFORMANCE	SC Net Output (MW)	195	210
	SC Net Heat Rate (Btu/kWh, LHV)	8,872	8,980
	SC Net Heat Rate (kJ/kWh, LHV)	9,361	9,474
	SC Net Efficiency (% LHV)	38.5%	38.0%
1X CC PLANT PERFORMANCE	CC Net Output (MW)	280	305
	CC Net Heat Rate (Btu/kWh, LHV)	6,172	6,189
	CC Net Heat Rate (kJ/kWh, LHV)	6,512	6,530
	CC Net Efficiency (% LHV)	55.3%	55.1%
	Plant Turndown - Minimum Load (%)	28.0%	40.0%
	Ramp Rate (MW/min)	12	14
	Startup Time (RR Hot†, Minutes)	30	30
2X CC PLANT PERFORMANCE	CC Net Output (MW)	563	613
	CC Net Heat Rate (Btu/kWh, LHV)	6,137	6,153
	CC Net Heat Rate (kJ/kWh, LHV)	6,475	6,492
	CC Net Efficiency (% LHV)	55.6%	55.5%
	Plant Turndown - Minimum Load (%)	14.0%	19.0%
	Ramp Rate (MW/min)	24	28
Startup Time (RR Hot†, Minutes)	30	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

With over 190 gas turbines installed and more than 14 million operating hours in a wide range of environmental and operational conditions, the GT13E2 gas turbine has the versatility to fit a wide range of power plant applications. Available through two complementary models, the GT13E2 is available for operators needing power and performance or those looking to maximize turbine availability while reducing their operating cost. The GT13E2 can reliably operate with a wide range of fuel compositions, including high hydrocarbon fuels, without hardware changes, and can also operate with up to 30% hydrogen.

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