

LMS100



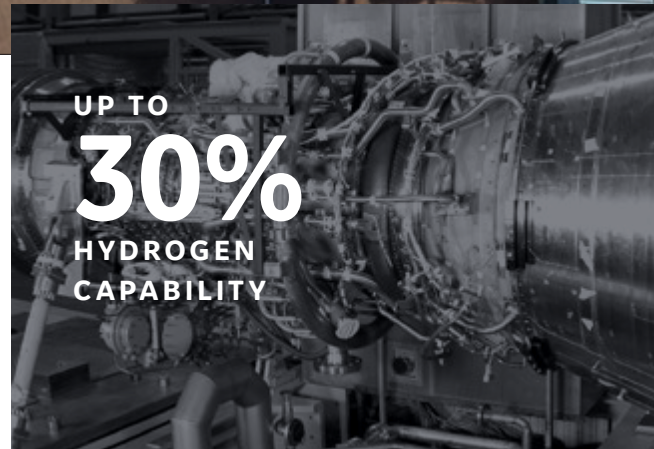
AERODERIVATIVE GAS TURBINE

50/60 Hz

116 MW SIMPLE CYCLE OUTPUT

>42% SIMPLE CYCLE EFFICIENCY

THE SYNCHRONOUS CONDENSING THAT THE USE OF A CLUTCH CREATES REQUIRES ZERO FUEL USE AND ENABLES AN 8 MINUTE RETURN FROM REACTIVE TO 100% REAL POWER GENERATION.



		LMS100 PA+ (50 Hz) (60 Hz)		LMS100 PB+ (50 Hz) (60 Hz)	
SC PLANT PERFORMANCE	SC Net Output (MW)	113.0	115.8	106.5	107.5
	SC Net Heat Rate (Btu/kWh, LHV)	7,935	7,773	8,017	7,977
	SC Net Heat Rate (kJ/kWh, LHV)	8,371	8,201	8,458	8,416
	SC Net Efficiency (% LHV)	43.0%	43.9%	42.6%	42.8%
1X CC PLANT PERFORMANCE	CC Net Output (MW)	134.5	135.3	127.0	128.2
	CC Net Heat Rate (Btu/kWh, LHV)	6,641	6,661	6,684	6,648
	CC Net Heat Rate (kJ/kWh, LHV)	7,006	7,027	7,052	7,014
	CC Net Efficiency (% LHV)	51.4%	51.2%	51.0%	51.3%
	Plant Turndown – Minimum Load (%)	13.0%	13.2%	13.0%	13.0%
	Ramp Rate (MW/min)	50	50	50	50
	Startup Time (RR Hot†, Minutes)	30	30	30	30
2X CC PLANT PERFORMANCE	CC Net Output (MW)	269.7	271.3	255	257.3
	CC Net Heat Rate (Btu/kWh, LHV)	6,621	6,641	6,658	6,627
	CC Net Heat Rate (kJ/kWh, LHV)	6,986	7,007	7,025	6,992
	CC Net Efficiency (% LHV)	51.5%	51.4%	51.2%	51.5%
	Plant Turndown – Minimum Load (%)	6.0%	6.0%	6.0%	6.0%
	Ramp Rate (MW/min)	100	100	100	100
	Startup Time (RR Hot†, Minutes)	30	30	30	30

If it's efficiency you're looking for, search no more. Our LMS100 aeroderivative gas turbine is currently the highest simple cycle efficiency gas turbine in the world. Its intercooled gas turbine system provides rapid startup, with an 8 minute start to full load and emergency ramp speeds of up to 500MW/minute. In high renewable penetration areas like California, our LMS100 gas turbines are providing 2.8 GW of generation with more than 1400 MW/minute of ramping capability.

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