



# Product Catalog

Applications and Features











*Reliable power when and where you need it.  
Clean and simple.*

# Capstone Microturbines

When you think of Capstone microturbines, you think of precision, automation and reliability. Capstone's industry-leading microturbine solutions help improve business operations by putting the end user in control of their energy costs. Scalable from 30kW to 30MW, Capstone microturbines provide clean energy to organizations of varying sizes operating in numerous markets around the world. Advanced engineering and more than 100 patents put Capstone microturbines in a class of their own.

By integrating an aero-based turbine engine, a permanent magnet generator, advanced power electronics, with patented air bearing technology, Capstone microturbines are the ideal solution for today's distributed energy needs.

## Clean Reliable Power

	Features	Benefits
	Only one moving part	Longer service intervals, low operating cost
	Patented air bearing technology	No lubricants or coolants needed
	Clean waste heat	Thermal energy for cogeneration/trigeneration
	Wide fuel range	Operates on gaseous, renewable and liquid fuels
	Stand alone or grid connect	Lower peak demand costs
	Advanced combustion controls	Low emissions, no exhaust aftertreatment
	High power density	Compact footprint, small modular design
	Remote monitoring	View performance and diagnostics 24/7
	Power electronics	High efficiency under all load conditions
	Factory-designed controllers	Increase efficiency, uptime, and run-time balance



Model	Fuels	Power Output <sup>(1)</sup>	Electrical Efficiency	Exhaust Mass Flow		Exhaust Temperature		Net Heat Rate	
		kW	%	kg/s	lbm/s	C°	F°	MJ/kWh	btu/kWh
<b>GASEOUS FUELS<sup>(2)</sup></b>									
C30	NG, P, LG, DG	30	26	0.31	0.69	275	530	13.8	13,100
C65	NG, P, LG, DG	65	29	0.49	1.08	309	588	12.4	11,800
C65 HZLC <sup>(3)</sup>	NG	65	29	0.50	1.09	325	617	12.9	12,200
C200R	NG, LPG, LG, DG	200	33	1.3	2.9	280	535	10.9	10,300
C200 HZLC <sup>(3)</sup>	NG	200	33	1.3	2.9	280	535	10.9	10,300
C200S	NG	200	33	1.3	2.9	280	535	10.9	11,000
C600S	NG, LPG, LG, DG	600	33	4.0	8.8	280	535	10.9	10,300
C800S	NG, LPG, LG, DG	800	33	5.3	11.7	280	535	10.9	10,300
C1000S	NG, LPG, LG, DG	1000	33	6.7	14.7	280	535	10.9	10,300
<b>LIQUID FUELS<sup>(4)</sup></b>									
C30	D, A, K	29	25	0.31	0.69	275	530	14.4	13,700
C65	D, A, K	65	29	0.49	1.08	309	588	12.4	11,800
C200R	D	190	30	1.3	2.9	280	535	12	11,370
C600S	D	570	31	4.0	8.8	280	535	11.6	11,000
C800S	D	760	31	5.3	11.7	280	535	11.6	11,000
C1000S	D	950	31	6.7	14.7	280	535	11.6	11,000

Integrated Combined Heat and Power (ICHP) option available for the following microturbine systems: C65, C200S, C600S, C800S, C1000S  
Additional Parasitic Loss for Low Pressure Natural Gas Systems: C30, C65, C200R, C200S, C600S, C800S, C1000S

<sup>(1)</sup> Nominal full power performance at ISO conditions: 15° C (59° F), 14.696 psia, 60% RH

<sup>(2)</sup> Models available to operate on these different fuels: NG – Natural Gas; P – HD-5 Propane; LPG – Liquid Petroleum Gas; LG – Landfill Gas; DG – Digester Gas

<sup>(3)</sup> Hazardous Location units suitable for use in potentially explosive atmospheres (ATEX directive 94/9/EC for Category 3, Zone 2 environments)

<sup>(4)</sup> Models available to operate on these different fuels: D – Low Sulfer Diesel #2; A – Aviation; K – Kerosene  
Specifications are not warranted and are subject to change without notice.



C200S ICHP



C600S ICHP



C800S ICHP



C1000S ICHP

Capstone Turbine Corporation® is the world's leading developer and manufacturer of clean-and-green microturbine power generation systems, and was first to market with its high efficiency air bearing turbine technology. Capstone has shipped thousands of microturbines to customers worldwide. These innovative and award-winning systems have logged millions of documented runtime operating hours and are compliant with current and future emissions regulations.

With over 95 distributors worldwide, Capstone's low-emission microturbines serve multiple vertical markets with industry-leading reliability and efficiency. Capstone offers a comprehensive product lineup, providing scalable solutions from 30kW to 30MW.

Capstone is a member of the U.S. Environmental Protection Agency's Combined Heat and Power Partnership which is committed to improving the efficiency of the nation's energy infrastructure and reducing emissions of pollutants and greenhouse gases. A UL-Certified ISO 9001:2015 and ISO 14001:2015 company, Capstone is headquartered in the Los Angeles area with sales and/or service centers in the United States, Latin America, Europe, Middle East, and Asia.

**For more information about Capstone's clean-and-green microturbine energy solutions, please visit [www.capstoneturbine.com](http://www.capstoneturbine.com) or call 1.818.734.5300.**

