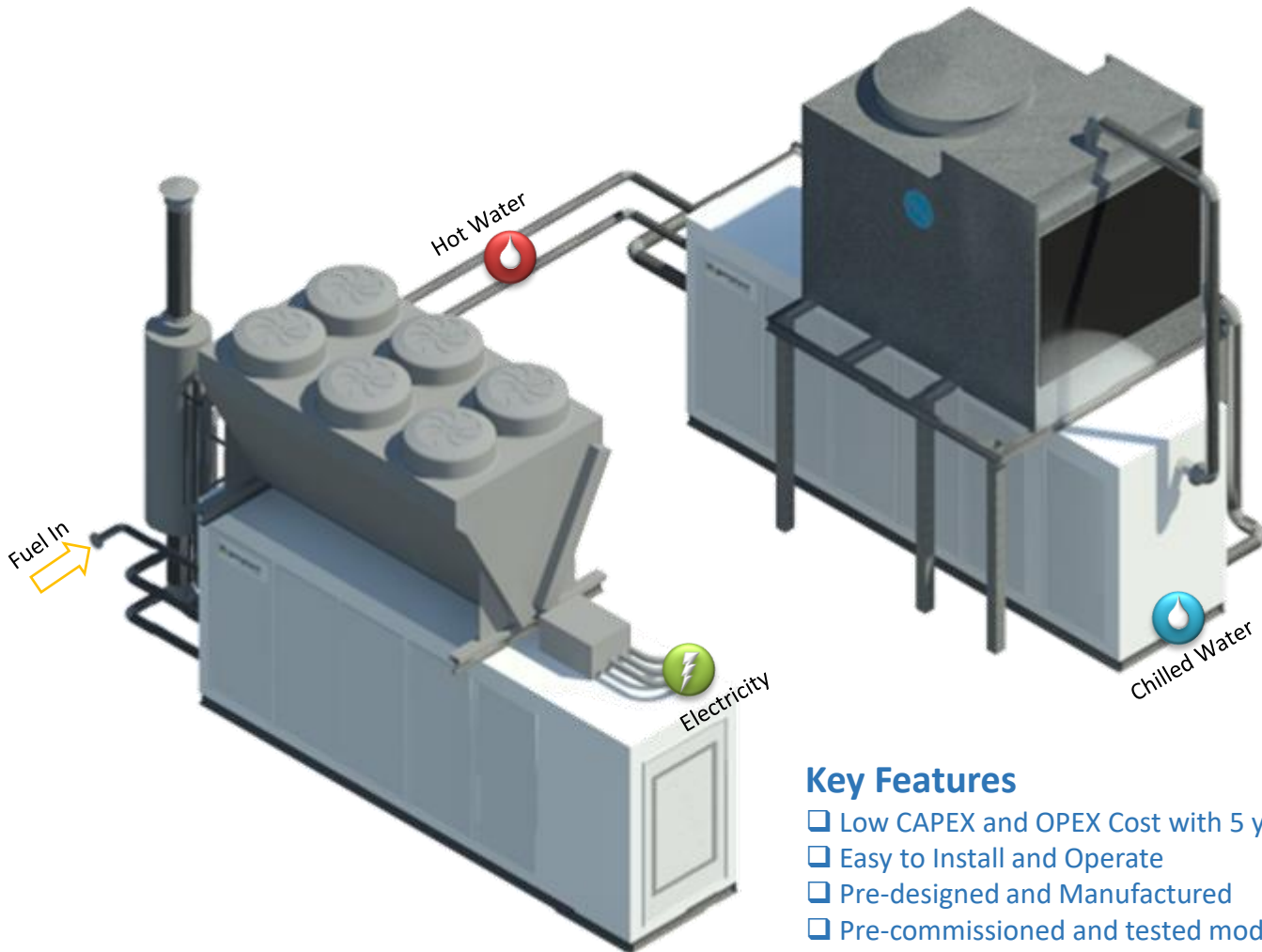


μGEN™ Series

Combined Heat and Power (CHP) Plants

100kW – 1,000kW

Natural gas, Propane, Biogas
400V, 50 Hz and 480V 60 Hz





Key Features

- ❑ Low CAPEX and OPEX Cost with 5 year warranty
- ❑ Easy to Install and Operate
- ❑ Pre-designed and Manufactured
- ❑ Pre-commissioned and tested modular design
- ❑ Installed and commissioned in less than 1 week
- ❑ Guaranteed performance
- ❑ Quiet Operation (<65 dBA at 10 feet)

The μGEN™ Series includes individually packaged components that when assembled together are a complete combined heat and power plant that produces electricity, hot water, steam, and/or chilled water for on-site customer use. The μGEN™ Series is based upon extremely efficient, reliable and fuel flexible R. Schmitt ENERTEC gensets that when paired with thermal heat recovery modules and can achieve total combined heat and power (CHP) efficiencies of up to 90%.

The μGEN™ Series is based on power module building blocks ranging in output from 100kW to 500kW. Multiple power modules can be combined to produce the required electric demand. The thermal energy from the power module can be utilized to produce hot water, steam and/or chilled water by matching chilled water and/or steam modules to one or more power modules.

11902 Central Parkway
Jacksonville, FL 32224
+1(904) 567-6020
www.genplant.com

 @energyonsite
 sales@genplant.com

 **genplant**
On-site Energy

μGEN™ Series

Combined Heat and Power (CHP) Plants

100kW – 500kW
 Natural gas, Propane, Biogas
 400V, 50 Hz and 480V 60 Hz



NATURAL GAS

Model	Version	Fuel		Electric			Hot Water			Steam			Chilled Water*			EFF _e	EFF _{th}	EFF _{total}	Heat Rate
		mmbtu/hr	gal/hr	kW	V	Freq	mmbtu/hr	gpm	°F	mmbtu/hr	psi	#/hr	TR	gpm	°F	%	%	%	btu/kWe
M06G215	GEN	2.010	24.2	215	480	60										36.5%	0	36.5%	9,347
	GEN+						0.515	57	194	0.444	50	376.2	32	65	44	36.5%	47.7%	84.2%	9,347
	CHP						0.989	57	194				62	124	44	36.5%	49.2%	85.7%	9,347
M08G280	GEN	2.597	31.3	280	480	60										36.8%	0	36.8%	9,273
	GEN+						0.669	73	194	0.574	50	487.2	42	84	44	36.8%	47.9%	84.7%	9,273
	CHP						1.283	73	194				80	161	44	36.8%	49.4%	86.2%	9,273
M12G420	GEN	3.821	46.0	420	480	60										37.5%	0	37.5%	9,099
	GEN+						0.972	107	194	0.842	50	714.5	61	122	44	37.5%	47.5%	85.0%	9,099
	CHP						1.873	107	194				117	235	44	37.5%	49.0%	86.5%	9,099
M12G500	GEN	4.548	54.8	500	480	60										37.5%	0	37.5%	9,096
	GEN+						1.102	127	194	1.043	50	885.0	69	138	44	37.5%	47.2%	84.7%	9,096
	CHP						2.218	127	194				139	278	44	37.5%	48.8%	86.3%	9,096

PROPANE

Model	Version	Fuel		Electric			Hot Water			Steam			Chilled Water*			EFF _e	EFF _{th}	EFF _{total}	Heat Rate
		mmbtu/hr	gal/hr	kW	V	Freq	mmbtu/hr	gpm	°F	btu/hr	psi	#/hr	TR	gpm	°F	%	%	%	btu/kWe
M06P115	GEN	1.170	12.8	115	480	60										33.5%	0	33.5%	10,177
	GEN+						0.399	37	194	0.230	50	194.9	25	50	44	33.5%	53.7%	87.3%	10,177
	CHP						0.645	37	194				40	81	44	33.5%	55.1%	88.6%	10,177
M06P180	GEN	1.829	20.0	180	480	60										33.6%	0	33.6%	10,160
	GEN+						0.536	55	194	0.396	50	335.6	34	67	44	33.6%	50.9%	84.5%	10,160
	CHP						0.959	55	194				60	120	44	33.6%	52.4%	86.0%	10,160
M08P240	GEN	2.429	26.6	240	480	60										33.7%	0	33.7%	10,122
	GEN+						0.723	73	194	0.523	50	443.9	45	91	44	33.7%	51.3%	85.0%	10,122
	CHP						1.283	73	194				80	161	44	33.7%	52.8%	86.5%	10,122
M12P360	GEN	3.566	39.0	360	480	60										34.4%	0	34.4%	9,904
	GEN+						1.054	107	194	0.763	50	646.8	66	132	44	34.4%	51.0%	85.4%	9,904
	CHP						1.870	107	194				117	234	44	34.4%	52.4%	86.9%	9,904
M12P450	GEN	4.449	48.6	450	480	60										34.5%	0	34.5%	9,887
	GEN+						1.232	132	194	1.008	50	855.2	77	154	44	34.5%	50.3%	84.9%	9,887
	CHP						2.310	132	194				145	290	44	34.5%	51.9%	86.4%	9,887

*Based on 100% utilization of Hot Water



About Us

Genplant delivers on-site energy services and energy plant solutions that reduce on-site energy cost, improve reliability, and reduce environmental footprint.

Genplant follows a customer driven, consultative approach that integrates our customers, our strategic partners, our templated energy plant solutions, and our energy system design and delivery experience to achieve the optimum solution that reduces overall energy costs and insures sustainable energy supply.

We deliver value by providing on-site energy system expertise that when integrated with customer-centric services and innovative solutions lead to lower energy costs, higher energy efficiency and long-term sustainability.

11902 Central Parkway
 Jacksonville, FL 32224
 +1(904) 567-6020
 www.genplant.com

 @energyonsite
 sales@genplant.com

