

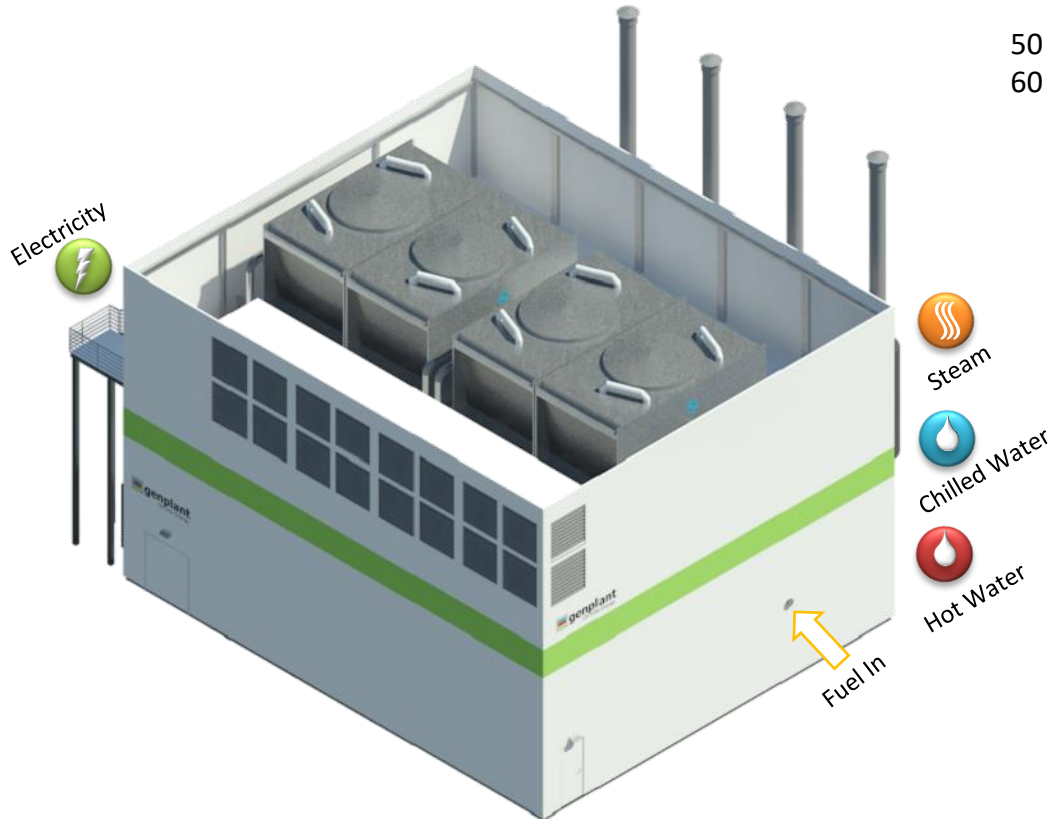
GENi™ Industrial Series

Combined Heat and Power (CHP) Plants

1,500kW – 10,000 kW

Natural gas, Propane, Biogas

50 Hz and 60 Hz



50 Hz: 400V, 3300V+

60 Hz: 480V, 4160V+



The GENi™ Industrial Series is a fully modular, complete combined heat and power (CHP) based on multiple gensets that produces electricity, hot water, steam and/or chilled water for on-site customer use. The GENi™ Industrial Series CHP plants are extremely efficient and can achieve total efficiencies of 90% when operating on natural gas or propane. The Caterpillar gas gensets that power the GENi™ Industrial Series CHP plant solution deliver the on-site energy required in a compact footprint with an extremely high level of reliability. The GENi™ Industrial Series CHP plants are constructed industry leading components and is built to last with an expected useful life of 20+ years.

GENi™ Industrial Series CHP plants can be architecturally enhanced to blend in to the facility environment.

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 4 weeks
- ❑ Guaranteed performance
- ❑ Quiet Operation (<65 dBA at 10 feet)

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

 @energyonsite
 sales@genplant.com

 **genplant**
On-site Energy

GENi™ Industrial Series

1,500kW – 10,000 kW

Natural gas, Propane, Biogas

50 Hz and 60 Hz

Combined Heat and Power (CHP) Plants





GENi™ Industrial Series

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
21000	HW	19.002	228.9	2400	480	60	7.470	439	210								43.1%	39.3%	82.4%	7,918			
	HWST						4.000	348	199	2.792	150	2,335							43.1%	35.7%	78.8%	7,918	
	CHW															584	1078	44	43.1%	36.9%	80.0%	7,918	
	CHWHW						7.470	439	210							408	753	44	43.1%	39.3%	82.4%	7,918	
	STCHW													2.792	150	2,335	216	399	44	43.1%	28.3%	71.4%	7,918
	ALL						4.000	348	199	2.792	150	2,335	216	399	44	43.1%	21.1%	64.1%	7,918				
21500	HW	24.801	298.8	3120	480	60	9.898	582	210							42.9%	39.9%	82.8%	7,949				
	HWST						5.239	456	199	3.749	150	3,134						42.9%	36.2%	79.2%	7,949		
	CHW														772	1425	44	42.9%	37.4%	80.3%	7,949		
	CHWHW						9.898	582	210							540	997	44	42.9%	39.9%	82.8%	7,949	
	STCHW												3.749	150	3,134	284	524	44	42.9%	28.9%	71.8%	7,949	
	ALL						5.239	456	199	3.749	150	3,134	284	524	44	42.9%	21.1%	64.0%	7,949				
22000	HW	31.522	379.8	4000	4160	60	12.382	728	210							43.3%	39.3%	82.6%	7,881				
	HWST						6.600	574	199	4.652	150	3,890						43.3%	35.7%	79.0%	7,881		
	CHW														968	1787	44	43.3%	36.9%	80.1%	7,881		
	CHWHW						12.382	728	210							678	1252	44	43.3%	39.3%	82.6%	7,881	
	STCHW												4.652	150	3,890	358	661	44	43.3%	28.4%	71.7%	7,881	
	ALL						6.600	574	199	4.652	150	3,890	358	661	44	43.3%	20.9%	64.2%	7,881				
22500	HW	39.227	472.6	5000	4160	60	14.592	858	210							43.5%	37.2%	80.7%	7,845				
	HWST						8.102	704	199	5.222	150	4,366						43.5%	34.0%	77.5%	7,845		
	CHW														1148	2119	44	43.5%	35.1%	78.6%	7,845		
	CHWHW						14.592	858	210							804	1484	44	43.5%	37.2%	80.7%	7,845	
	STCHW												5.222	150	4,366	438	809	44	43.5%	26.7%	70.2%	7,845	
	ALL						8.102	704	199	5.222	150	4,366	438	809	44	43.5%	20.7%	64.1%	7,845				
31500	HW	37.202	448.2	4680	480	60	14.847	873	210							42.9%	39.9%	82.8%	7,949				
	HWST						7.859	683	199	5.623	150	4,701						42.9%	36.2%	79.2%	7,949		
	CHW														1158	2138	44	42.9%	37.4%	80.3%	7,949		
	CHWHW						14.847	873	210							810	1495	44	42.9%	39.9%	82.8%	7,949	
	STCHW												5.623	150	4,701	426	786	44	42.9%	28.9%	71.8%	7,949	
	ALL						7.859	683	199	5.623	150	4,701	426	786	44	42.9%	21.1%	64.0%	7,949				
32000	HW	47.283	569.7	6000	4160	60	18.573	1093	210							43.3%	39.3%	82.6%	7,881				
	HWST						9.900	861	199	6.978	150	5,835						43.3%	35.7%	79.0%	7,881		
	CHW														1452	2681	44	43.3%	36.9%	80.1%	7,881		
	CHWHW						18.573	1093	210							1017	1878	44	43.3%	39.3%	82.6%	7,881	
	STCHW												6.978	150	5,835	537	991	44	43.3%	28.4%	71.7%	7,881	
	ALL						9.900	861	199	6.978	150	5,835	537	991	44	43.3%	20.9%	64.2%	7,881				
32500	HW	58.841	708.9	7500	4160	60	21.888	1288	210							43.5%	37.2%	80.7%	7,845				
	HWST						12.152	1057	199	7.833	150	6,549						43.5%	34.0%	77.5%	7,845		
	CHW														1722	3179	44	43.5%	35.1%	78.6%	7,845		
	CHWHW						21.888	1288	210							1206	2226	44	43.5%	37.2%	80.7%	7,845	
	STCHW												7.833	150	6,549	657	1213	44	43.5%	26.7%	70.2%	7,845	
	ALL						12.152	1057	199	7.833	150	6,549	657	1213	44	43.5%	20.7%	64.1%	7,845				
42000	HW	63.044	759.6	8000	4160	60	24.765	1457	210							43.3%	39.3%	82.6%	7,881				
	HWST						13.201	1148	199	9.304	150	7,780						43.3%	35.7%	79.0%	7,881		
	CHW														1936	3574	44	43.3%	36.9%	80.1%	7,881		
	CHWHW						24.765	1457	210							1356	2503	44	43.3%	39.3%	82.6%	7,881	
	STCHW												9.304	150	7,780	716	1322	44	43.3%	28.4%	71.7%	7,881	
	ALL						13.201	1148	199	9.304	150	7,780	716	1322	44	43.3%	20.9%	64.2%	7,881				
42500	HW	78.454	945.2	10000	4160	60	29.184	1717	210							43.5%	37.2%	80.7%	7,845				
	HWST						16.203	1409	199	10.444	150	8,733						43.5%	34.0%	77.5%	7,845		
	CHW														2296	4239	44	43.5%	35.1%	78.6%	7,845		
	CHWHW						29.184	1717	210							1608	2969	44	43.5%	37.2%	80.7%	7,845	
	STCHW												10.444	150	8,733	876	1617	44	43.5%	26.7%	70.2%	7,845	
	ALL						16.203	1409	199	10.444	150	8,733	876	1617	44	43.5%	20.7%	64.1%	7,845				

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

 @energyonsite
 sales@genplant.com



GENi™ Industrial Series

1,500kW – 10,000 kW

Natural gas, Propane, Biogas

50 Hz and 60 Hz

Combined Heat and Power (CHP) Plants



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	mmbtu/hr	psi	#/hr	TR	gpm	°F								
21000	HW	13.047	142.6	1574	480	60	5.358	315	210							41.2%	41.1%	82.2%	8,289				
	HWST						2.752	239	199	2.097	150	1,753							41.2%	37.2%	78.3%	8,289	
	CHW															416	768	44	41.2%	38.3%	79.4%	8,289	
	CHWHW						5.358	315	210								292	539	44	41.2%	41.1%	82.2%	8,289
	STCHW													2.097	150	1,753	150	277	44	41.2%	29.9%	71.0%	8,289
	ALL						2.752	239	199	2.097	150	1,753	150	277	44	41.2%	21.1%	62.3%	8,289				
21500	HW	17.978	196.5	2104	480	60	7.620	448	210							39.9%	42.4%	82.3%	8,544				
	HWST						3.852	335	199	3.031	150	2,535							39.9%	38.3%	78.2%	8,544	
	CHW															590	1089	44	39.9%	39.4%	79.3%	8,544	
	CHWHW						7.620	448	210								414	764	44	39.9%	42.4%	82.3%	8,544
	STCHW													3.031	150	2,535	208	384	44	39.9%	30.7%	70.7%	8,544
	ALL						3.852	335	199	3.031	150	2,535	208	384	44	39.9%	21.4%	61.4%	8,544				
22000	HW	24.152	264.0	2842	4160	60	10.013	589	210							40.1%	41.5%	81.6%	8,498				
	HWST						5.027	437	199	4.012	150	3,354							40.1%	37.4%	77.6%	8,498	
	CHW															776	1433	44	40.1%	38.6%	78.7%	8,498	
	CHWHW						10.013	589	210								542	1001	44	40.1%	41.5%	81.6%	8,498
	STCHW													4.012	150	3,354	272	502	44	40.1%	30.1%	70.3%	8,498
	ALL						5.027	437	199	4.012	150	3,354	272	502	44	40.1%	20.8%	61.0%	8,498				
31500	HW	26.966	294.7	3156	480	60	11.430	672	210							39.9%	42.4%	82.3%	8,544				
	HWST						5.779	502	199	4.547	150	3,802							39.9%	38.3%	78.2%	8,544	
	CHW															885	1634	44	39.9%	39.4%	79.3%	8,544	
	CHWHW						11.430	672	210								621	1146	44	39.9%	42.4%	82.3%	8,544
	STCHW													4.547	150	3,802	312	576	44	39.9%	30.7%	70.7%	8,544
	ALL						5.779	502	199	4.547	150	3,802	312	576	44	39.9%	21.4%	61.4%	8,544				
32000	HW	36.228	395.9	4263	4160	60	15.019	883	210							40.1%	41.5%	81.6%	8,498				
	HWST						7.541	656	199	6.017	150	5,031							40.1%	37.4%	77.6%	8,498	
	CHW															1164	2149	44	40.1%	38.6%	78.7%	8,498	
	CHWHW						15.019	883	210								813	1501	44	40.1%	41.5%	81.6%	8,498
	STCHW													6.017	150	5,031	408	753	44	40.1%	30.1%	70.3%	8,498
	ALL						7.541	656	199	6.017	150	5,031	408	753	44	40.1%	20.8%	61.0%	8,498				
42000	HW	48.304	527.9	5684	4160	60	20.026	1178	210							40.1%	41.5%	81.6%	8,498				
	HWST						10.055	874	199	8.023	150	6,708							40.1%	37.4%	77.6%	8,498	
	CHW															1552	2865	44	40.1%	38.6%	78.7%	8,498	
	CHWHW						20.026	1178	210								1084	2001	44	40.1%	41.5%	81.6%	8,498
	STCHW													8.023	150	6,708	544	1004	44	40.1%	30.1%	70.3%	8,498
	ALL						10.055	874	199	8.023	150	6,708	544	1004	44	40.1%	20.8%	61.0%	8,498				



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

