

System specifications mod. GW 20.40 EU mCHP

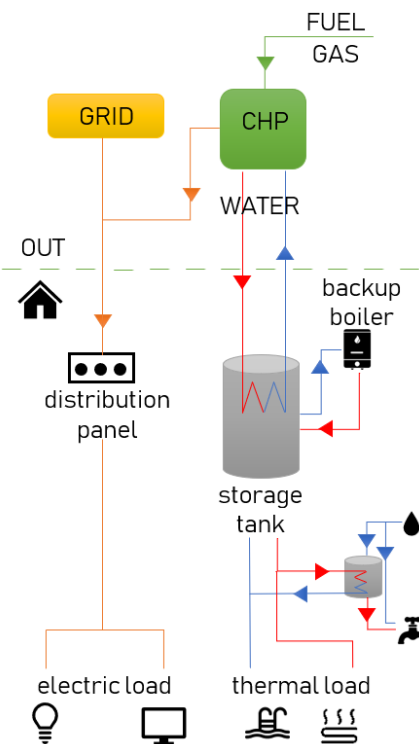
Efficiency	Overall	95%	
	Electric	34%	
	Thermal	61%	
Compact Dimensions	Width	1310 mm	
	Depth	850 mm	
	Height	1100 mm (675mm without panels)	
	Weight	680 kg	
Power	Output mCHP	Production	20 kW (cosφ0.99)
		Voltage / fqz	400V 50Hz
		Phases	L1-L2-L3 (N)
	Input mCHP	Auto-consumption	210 W
		Voltage / fqz	400V / 50Hz
Heat	Production	36kW (±3%) @ 75°C out mCHP	
	ΔT _{max}	5.2 K (±2%) @ with nominal flow	
	Output Water Tmax (Max Recommended)	75°C (85°C with flow reduction)	
	Max Technical Water Flow	6.2 mc/h	
	Technical Water	H2O H2O + glycol	
	Overheat protection	STOP T _{mot} >98°C	
Fuel	Type	Metano /LPG	
	Consumption*	59 kW (±3%). 6 smc/h	
	Supply pressure	20mbar	
Sound	Level	65 dB @ 1mt	
Engine	Characteristics	Type	Volkswagen 2.0 l
		RPM max	1540 rpm
		Mechanical shaft power	22 kW _s (±2%)
	Exhaust	Output T max	85°C
Max pressure output		35mbar	
Additional data	Generator	4 Pole 50Hz, Asynchronous	
	External Water circuit connection	G1"1/4	
	External Gas supply connection	G3/4"	
	Max Terminal Wire Size	10mm ²	
	Max Hydraulic Pressure @ building	3.5 bar	

*LHV on reference, Methan gas : 34.7MJ/smc



Combined Heat and Power

Connections layout



GW 20.40 EU micro-cogenerators

Micro – cogenerator Combined Heat and Power

The new micro-cogenerator GW 20.40 was reviewed in its increased performance and design is more appreciated. GW's mCHP can be installed in parallel or with traditional heat generators, for a downgrade in energy consumption in more applications. Customers' case, for example inside in Hotel, Fitness centers, condominium, Clinic and hospital, retirement houses, commercial center, industries and other more...

The GW's mCHP was thought for the users' applications where it is constant heat and electric power load during all year, and it can be in new installations or applications with past traditional system, for to permit a little work impact on installation, but big target in customer economy and energy saving.

The GreenWatt mCHP :

- Satisfy technical prescriptions lawed from Energy company and authority, in the tec law respect and UE standards;
- Is supply with methan gas, or LPG;
- Maintenance programed steps every 6000 run hours, or one time to year;
- High Engine reliability, and spare parts warranty;
- All products assembled and tested in our factory, ready to be installed in every customers systems solutions;
- Tecnology and product tried, thank to GW experience on made CHP system field.
- Incentives from UE, or National or local authority, for energy saving and to create smart grid solutions;

