



# PT-HSG12 Home StandBy Gaseous Generator

## Generator Set rating

120/240 Volts Single phase  
PF = 1.0  
Frequency 60Hz

## KW output

Single Phase	LP	NG
Standby Output	12.0	10.8
Prime Output	10.8	9.7
Sound Level @ 23 ft. Unloaded	63 dBA	

## AC Generation Equipment

Our AC power systems offer a first-rate solution to requirements for Reliable, High Quality Electrical Power for the Residential owner.

All units are:

- 100% full load tested
- Performance supported by prototype testing
- Capacitive Regulated Generator for exceptional motor starting capability and high reliability



## Product Features

**System Reliability and Longevity**  
begin with design experience and integrity. PARTECH has been providing Generator Sets for over 20 years.

The knowledge and experience in designing and manufacturing with state-of-the art power generation equipment is built into our

complete line of generator sets.

### Single Source Responsibility:

Product service, support and parts are available through the PARTECH network of distributors.

### Accessories and Flexibility

are designed into PARTECH's generator sets at the factory level

to meet residential application needs.

### The PARTECH mission

To provide the world with safe, reliable, high quality power generation equipment to allow anyone in the world to realize their full potential.



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## Standard Equipment

- 4 Cycle engine
- Sound attenuated Enclosure
- Capacitive regulated brush-less Alternator
- Tropical Treated Alternator
- Integral Muffler w/ rain cap
- Steel base with vibration isolators between engine, generator and the base.
- Integral control box behind a locked door
- Circuit breakers located in the lockable control box
- Connection area for main AC terminals and all control wiring
- 12VDC engine electrical systems
- 12V starting motor
- Battery charging alternator
- On board AC battery charger
- Battery rack tie down bar and cables
- In base mounted fuel connection.
- In base oil drain plug
- All steel parts are powder paint coated and tropical treated
- Two stage dry type air cleaner
- Corrosion resistant hardware

- Microprocessor based, fully programmable auto start control panel with metering and security.
  - Integral programmable ATS control logic built into system controller
  - Exercise without load capability for unattended operation
  - Digital read out control system with the following accessible standard displays:
    - Utility Voltage L-L
    - Generator Voltage L-L
    - Generator Frequency
    - Battery Voltage
    - Operating hours
  - Additional information available on the controller display are:
    - ATS switch position
    - Engine run / on
    - Generator run / on
    - Error in code detailed on the controller face
    - Test, Manual, Automatic and Reset buttons
    - Remote manual switching of ATS from the Control Panel
- Shut down
  - High engine temp
  - Low oil pressure
  - Cranking Failure
  - Over speed
  - High voltage generator
  - Low voltage generator
  - Under frequency

- Warning
  - Low Battery Voltage
  - High Battery Voltage
- Common alarm relay output
- Exceed programmable Maintenance hours warning error code
- Automatic test function
- 2 Programmable digital inputs for shut down or warning
- Capable of external start / stop operation

### Options:

- Complete remote control and operation by:
  - Direct PC interface able with cable and software
  - Modem capable for remote control over dedicated phone line
  - Wireless hook up to RS232 port Capable
- Space Heater Kit for Cold Climate
- Remote Alarm Annunciator
- Automatic transfers switches for any application
- External Emergency Stop
- Single phase 110V / 240 V operation
- Multiple ATS controls
- Project engineering SUPPORT available for "Special Applications"



# PT-HSG12 Home StandBy Gaseous Generator

## Technical Specifications Model PT-HSG 12

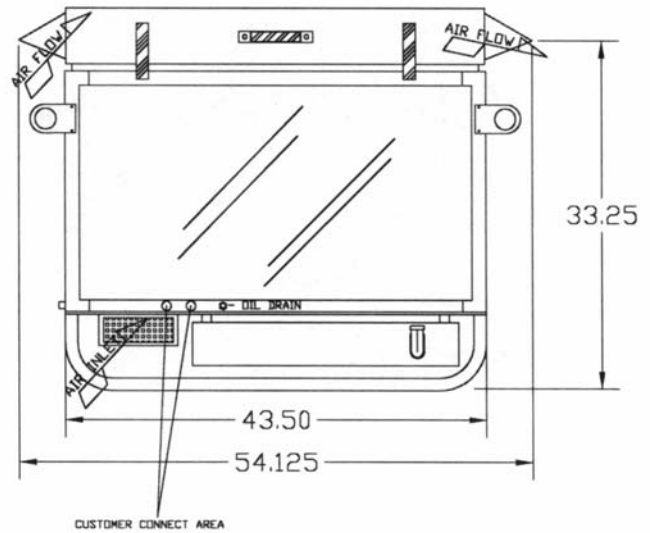
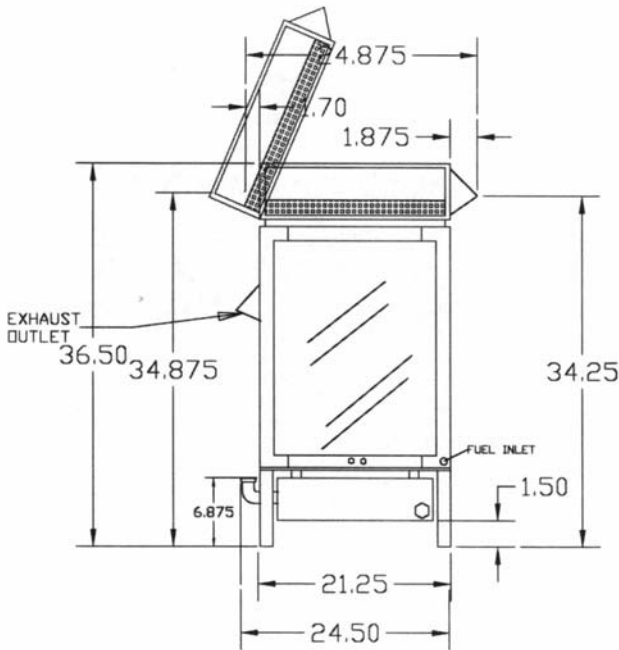
Engine Specifications:		Generator	
Manufacturer	Kohler	Generator MFG.	Mecc alte spa
Model	CH25	Type	MR2, 200-2
Intake System	Naturally Aspirated	Model	12kVA (240V 60Hz)
Cylinders	2	Speed	3600 RPM
Displacement	725 CC	Rated Voltage	120/240 60Hz
Bore and Stroke	83 X 67mm	Rated Power	12.0 kVA
Compression ratio	9.0:1	Voltage Accuracy	Approx. +/- 5%
HP	23HP@3600rpm	Motor Starting kVA	
Cooling system	Air	(At 35% Dip, 100% voltage recovery)	21.1 SkVA
Lubrication System	Pressurized oil	Over speed	4320 RPM
Oil Capacity w/ Filter	2.1Quarts	THD	Approx. 5%
<b>Fuel Pressure requirements</b>		Protection	IP 33
Natural Gas	8 to 11 in. water	Cooling flow /min.	201 Cubic ft./min
and LPG	column		
Governor type	Mechanical	<b>Insulation Class</b>	
<b>Fuel Consumption at 100% load</b>		Stator	H
Natural Gas	194 /Cubic feet	Rotor	H
	per Hour		
Propane	12.5 Pounds		
	per Hour		
Fuel inlet	½ Inch NPT		
<b>Generator Set</b>		<b>Options</b>	
<b>Frequency variation</b>	58.6 to 62.2 Hz	Cold weather kit: required for ambient temperature below 25° F	
<b>Nominal Sound Level</b>	@ 23FT No Load 63dBA		
<b>De-rating Factors:</b>			
	3.5% for every 1,000 ft above Sea Level		
	2.0% for every 10° F above 68° F		
Dry Weight:	557Lbs		
Basic footprint:	43.5 x 21.25 x 36.6 in.		



**GENMAC**

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## Mechanical Layout



**GENMAC**

5773 NW 151 Street  
MIAMI LAKES, FL 33014  
Tel: (305) 751-0160  
Fax: (305) 757-9809

Email: sales @ partech.us

<http://www.partech.us>

All Specifications are subject to change with out notice.  
Made in Italy

