



HSD 22 Home StandBy Commercial / Light Industrial Gaseous Generator Set

Generator Set rating

Three Phase	60hz	KW
Standby Output		22
Prime output		20
Voltages	120/208/240	
Current (A)	132/76/66/38	
Single Phase	60hz	KW
120/240		
Standby Output		21
Prime Output		19
Sound Level	70 dBA	
@ 23 ft. Unloaded		
Fuel Tank Capacity		23 gal.

AC Generation Equipment

is our business at GENMAC. 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
- 12 lead Re-connectable AC synchronous Generators
- Solid State Automatic Voltage regulators



Product Features

System Reliability and Longevity

begin with design experience and integrity. GENMAC has been producing Generator Sets for over 20 years. The company is situated in the area world renowned for automotive and electromechanical manufacturing. This has allowed us to assemble a staff of design and manufacturing personnel who are second to none. 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 GENMAC network of distributors.

Accessories and Flexibility

are designed into GENMAC's generator sets at the factory level to meet residential application needs.

The GENMAC mission

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



HSD 22

Commercial / Light Industrial Diesel Generator Set

Standard Equipment

- 4 Cycle Liquid cooled engine
 - Thermostatically controlled Block Heater
 - 12VDC engine electrical systems
 - Battery Charging alternator
 - Solid State Automatic Voltage Regulator
 - 12 wire reconnectable generator end
 - Tropical Treated Alternator
 - Dual electronic protection: for Overspeed, oil pressure and coolant temperature
 - Single stage dry type air cleaner
 - Electronic speed control
 - Dirty Air filter switch
 - Under Base stub up area for hidden wiring access
 - Sound attenuated Outdoor Enclosure
 - Steel base with vibration isolators between engine, generator and the base.
 - Integral Muffler with rain cap
 - Integral Control Box behind a locked door
 - Circuit breakers located in the lockable Control Box
 - Single connection area for main AC terminals and all control wiring
 - On board Utility powered AC battery charger
 - Utility Present Light
 - In Base fuel inlet.
 - In Base Oil drain
 - In Base Coolant drain
 - All steel parts are powder paint coated and tropical treated
 - Corrosion resistant hardware
 - Interior light
 - In Base Fuel Tank and gauge
 - Microprocessor based, fully programmable auto start control panel with metering and security
 - Integral programmable ATS control logic built into System controller
 - Exercise with or without load capability
 - Digital read out control system with the following accessible standard displays:
 - Utility Voltage L-L (3)
 - Generator
 - Voltage L-L (3)
 - Amperage (3)
 - Frequency
 - Power Factor (3 and total)
 - VARS
 - Power instantaneous or KWH
 - Battery Voltage
 - Operating hours
 - Additional information available on the controller display are:
 - ATS switch position
 - Engine run / on
 - Oil pressure
 - Coolant temperature
 - Generator run / on
 - Error code in code detailed the controller face
 - Help button for troubleshooting assistance
 - Test, Manual, Automatic and Reset buttons
 - Remote manual switching of ATS from the Control Panel
 - Alarms shut down and prealarm- programmable
 - High engine temp
 - Low oil Pressure
 - High voltage generator
 - Low voltage generator
 - Under frequency
 - Alarm -programmable
 - Over speed
 - Cranking Failure
 - Warning: Programmable
 - High Battery Voltage
 - Low Battery Voltage
 - Dirty Air Filter
 - Event History time marked 32 events
 - Common alarm relay output
 - Exceed programmable Maintenance hours warning error code
 - Single button Automatic test function with load
- 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
 - Remote Alarm Annunciator
 - Automatic transfers switches for any application
 - External Emergency Stop
 - Will operate with Standard 2 wire ATS
 - Capable of operating more than one ATS
 - Capable of external start / Stop operation
 - Spare Programmable Digital input and output relay
 - Capable of operating more than one ATS
 - Project engineering help available for "Specials"



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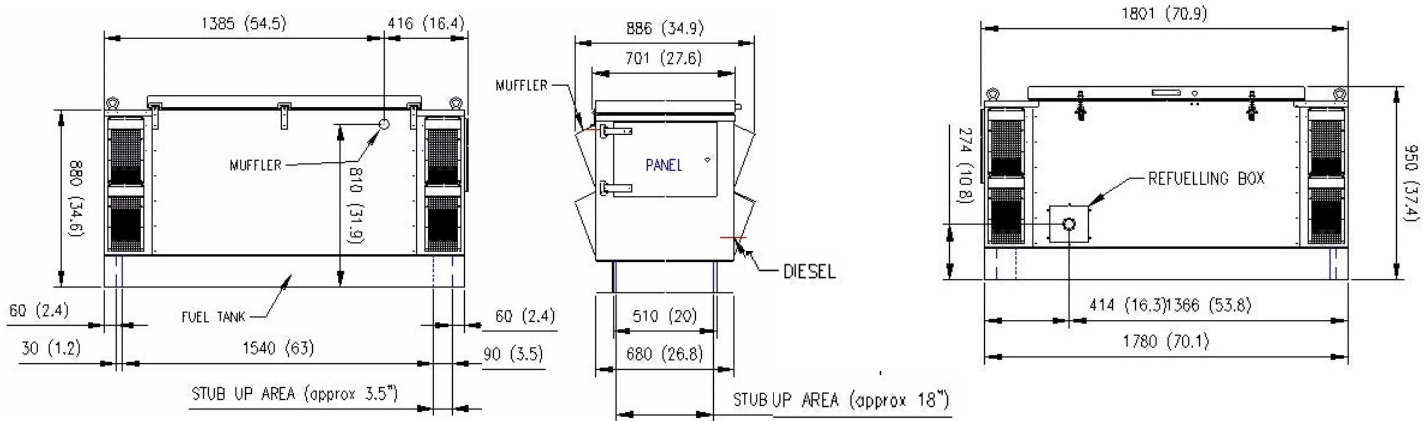
Technical Specifications Model HSD 22

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Mechanical Layout



Optional Under Base Tanks

GENMAC Part #	Description	Height
	UL, 50 gal. Double wall with Electronic fuel gauge	18.00"
	UL, 135 gal. Double wall with Electronic fuel gauge	36.00"

- Under Base tanks available to provide extended run capability
- Tank has identical foot print as system – Volume determines height
- Under base tanks require the removal of the in base tank



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All Specifications are subject to change with out notice.
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Distributed By