

GENERAC® GUARDIAN® SERIES STANDBY GENERATORS

20 kW

Standby Power Rating

Air-Cooled Gas Engine Generator Sets

Model 005887-1 (Aluminum - Gray) - 20 kW 60Hz

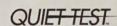
INCLUDES:

- True Power® Electrical Technology
- Two Line LCD Tri-lingual Digital Nexus™ Controller
- Electronic Governor
- External Main Circuit Breaker,
 System Status & Maintenance Interval LED Indicators and GFCI Duplex Outlet
- Sound Attenuated Enclosure
- Flexible Fuel Line Connector
- Composite Mounting Pad
- · Base Fascia
- Natural Gas or LP Gas Operation
- 3 Year Limited Warranty
- UL 2200 Listed









FEATURES

- INNOVATIVE DESIGN & PROTOTYPE TESTING are key components of GENERAC'S success in "IMPROVING POWER BY DESIGN." But it doesn't stop there. Total commitment to component testing, reliability testing, environmental testing, destruction and life testing, plus testing to applicable CSA, NEMA, EGSA, and other standards, allows you to choose GENERAC POWER SYSTEMS with the confidence that these systems will provide superior performance.
- TRUE POWER® ELECTRICAL TECHNOLOGY: Superior harmonics and sine wave form produce less than 5% Total Harmonic Distortion for utility quality power. This allows confident operation of sensitive electronic equipment and micro-chip based appliances, such as variable speed HVAC.
- O TEST CRITERIA:
 - ✓ PROTOTYPE TESTED
- ✓ NEMA MG1-22 EVALUATION
- SYSTEM TORSIONAL TESTED
- **MOTOR STARTING ABILITY**

O SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION.

This state-of-the-art power maximizing regulation system is standard on all Generac models. It provides optimized FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine. An unequalled $\pm 1\%$ voltage regulation.

- SINGLE SOURCE SERVICE RESPONSE from Generac's extensive dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component.
- GENERAC TRANSFER SWITCHES. Long life and reliability are synonymous with GENERAC POWER SYSTEMS. One reason for this confidence is that the GENERAC product line includes its own transfer systems and controls for total system compatibility.









1925 Longmire Drive Bldg #3 Conroe, TX 77304

936-441-4275 Conroe 888-592-2559 Toll Free

arkgenerator.com

tomer Name

Bob Woodall

Phone Number 281-655-1128

Address						TMEL #13093 TECL #19700
City			Zip		Date	6/13/2013
Residential Calculation (C	ptional Stand by G	enerator) Si	ngle Dwelling			.,,
As per the NEC 2008 Section 220.82	Voltage Or Watts	Amps or VA	# Of Appliances	Notes Gas appliance	NEC 702.5 (2) (b) Load Shed	Demand
Service Amps	150					
Square Footage	4035	2.2	1			8,877 VA
Laundry	1500	1	1			1,500 VA
Appliances	750	1	1			750 VA
Microwave	1700	1	1			1,700 VA
Kitchen (Small App) Min 2	1500	20	2			3,000 VA
Dish Washer	120	10	1			1,200 VA
Disposal	120	6	1			720 VA
Electric Dryer	5000	1	0		Load Shed	0 VA
Cooktop	4500	1	0	Gas appliance		0 VA
Oven	5000	1	0		Load Shed	0 VA
Range	8000	1	0			0 VA
Swimming Pool	240	1	See table below			2,880 VA
Aerobic system	120	12	0			0 VA
Water Well	240	12	0			0 VA
Water Heater	4500	1	0	Gas appliance		0 VA
				Total		20,627 VA
			10KW @ 100%	6		10,000 VA
			Difference			10,627 VA
			Balance @ 40	%		4,251 VA
			Total			14,251 VA
A/C #1	240	17	1			4,080 VA
A/C #2	240	15	0		Load shed	0 VA
A/C #3	240	0	0			0 VA
A/C #4	240	0	0			0 VA
Electric Heater		65%	0	Gas		0 VA
Electric Heater		65%	0			0 VA
Electric Heater		65%				0 VA
		****	Total of A/C	or Heating Load		4,080 VA
Optional Calculation is derived from		***** Total Appliance, Lighting, Receptical			14,251 VA	
2011 National Electrical Code		***** Total of All Loads			18,331 VA	
Article's, 220.82(B) (1), (2), (3)		***** Minimum Generator Size (KW)			18 kw	
Article's, 220.82 , C		***** Total Amps required by generator			76	
			Total Amps or			
Pool Equipment	Voltage	Amps	VA			
Sub Panel	240					
Blower	120	0	0			
Pump 1	240	12	2880	1	oad Shed Po	ool
Pump 2	240	0	0		onou i	
Pump 3	240	0	0			
Pump 4	120	0	0	IECL 19700 "Regulated by The Is	oras Department of Licensian and Ba-	pulation, P.O. Bax 12157, Austin, Texas 78711
mp 5	120	0	0	1-800-803-92	102, 512-463-6599; website: license,	itate.h.us/complaints"
(a)	Total (Pool Only)		2880	1		
	1000 (1001 0111)		2000		·	