Standby Power Rating 27 kW 60 Hz

Liquid Cooled Gas Engine Generator Sets

Model Number: 05639 (Gray - Aluminum)



Whisper-Test™ Low Speed Exercise 61 dB(A) at 23 feet

GENERAC 2.4L ENGINE

Naturally Aspirated Gaseous Fueled

UL 2200 Listed

Transfer Switch is sold separately

STANDARD EQUIPMENT

- · All input connections in one single area
- High coolant temperature shutdown
- · Low oil pressure shutdown
- · Low coolant level automatic shutdown
- Overspeed automatic shutdown
- · Crank timer
- Exercise timer
- · Oil drain extension
- Cool flow radiator
- · Closed coolant recovery system
- UV/Ozone resistant hoses
- Watertight state of the art electrical connectors

- Mainline circuit breaker
- Radiator drain extension
- Battery charge alternator
- · 2 Amp static battery charger
- Battery cables
- Battery rack
- Fan and belt guards
- · Isochronous governor
- Flex fuel line
- Hour meter

FEATURES

- · Innovative design and fully prototype tested
- UL2200 Listed
- Solid state frequency compensated voltage regulator
- Dynamic and static battery charger
- Sound attenuated acoustically designed enclosure
- Whisper-Test[™] for feature low noise level exercise
- Acoustically designed engine cooling system
- High flow low noise factory engineered exhaust system
- State of the art digital control system with R-Series digital control panel

- Watertight electrical connectors
- Rodent proof construction
- High efficiency, low distortion Generac designed alternator
- Vibration isolated from mounting base
- Matching Generac transfer switches engineered and tested to work as a system
- · All components easily accessible for maintenance
- Electrostatically applied powder paint



GENERATOR SPECIFICATIONS

TYPE	Synchronous
ROTOR INSULATION	Class H
STATOR INSULATION	Class H
TOTAL HARMONIC DISTORTION	<5%
TELEPHONE INTERFERENCE FACTOR (TIF)	<50
ALTERNATOR OUTPUT LEADS 3 PHASE	4 wire
BEARINGS	Sealed Ball
COUPLING	Flexible Disc
LOAD CAPACITY (STANDBY RATING)	22 kW
EXCITATION SYSTEM	Direct

NOTE: Generator rating and performance in accordance with ISO8528-5, BS5514, SAE J1349, ISO3046, and DIN6271 standards.

VOLTAGE REGULATOR

TYPE	Electronic
SENSING	
REGULATION	•
FEATURES	V/F Adjustable
	Adjustable Voltage and Gain
	I ED Indicators

GENERATOR FEATURES

- Revolving field heavy duty generator
- Directly connected to the engine
- ☐ Operating temperature rise 120 °C above a 40 °C ambient
- ☐ Insulation is Class H rated at 150 °C rise
- All models are fully prototyped tested

CONTROL PANEL FEATURES

Utility sensing

• Hour meter

•Delay on utility failure for engine start •Engine warm-up before transfer

•Delay to retransfer to utility

 Engine cooldown timer Exerciser not set

- ☐ SEVEN LED INDICATOR LIGHTS ☐ ADDITIONAL FUNCTIONS
 - System ready
 - •Low fuel pressure
 - Low battery
 - Low oil pressure
 - •High coolant temp/low coolant temp
 - Overspeed
- Overcrank ■ INTERNAL FUNCTIONS:
 - •3 position switch (auto, off and manual)
 - •2 wire start for any transfer switch
 - •Communicates with the Generac RTS transfer switch
 - •Built-in 7 day exerciser
 - •Selectable engine speed at exercise
 - •Governor controller is built into the master control board
 - •Temperature range -40 °C to 70 °C

ENGINE SPECIFICATIONS

MAKE	
MODEL	
DISPLACEMENT	
BORE	3.41
STROKE	3.94
COMPRESSION RATIO	8.5:1
INTAKE AIR SYSTEM	Naturally Aspirated
VALVE SEATS	Hardened
LIFTER TYPE	Hydraulic

GOVERNOR SPECIFICATIONS

TYPE	Electronic
FREQUENCY REGULATION	lsochronous
STEADY STATE REGULATION	± 0.25
ADJUSTMENTS FOR:	
Speed	Yes
Droop	Yes

ENGINE LUBRICATION SYSTEM

OIL PUMP	Gear
OIL FILTER	Full flow spin-on cartridge
CRANKCASE CAPACITY	4 Quarts

ENGINE COOLING SYSTEM

TYPE	Closed
WATER PUMP	Belt driven
FAN SPEED	1980
FAN DIAMETER	17.75 inches
FAN MODE	Pusher

FUEL SYSTEM

FUEL TYPE	Natural gas, propane vapor
CARBURETOR	Down Draft
SECONDARY FUEL REGULATOR	Standard
FUEL SHUT OFF SOLENOID	Standard
OPERATING FUEL PRESSURE	5" - 14" H ₂ O

ELECTRICAL SYSTEM

BATTERY CHARGE ALTERNATOR	12V 30 Amp
STATIC BATTERY CHARGER	2 Amp
RECOMMENDED BATTERY	Group 26, 525 CCA
SYSTEM VOLTAGE	12 Volts



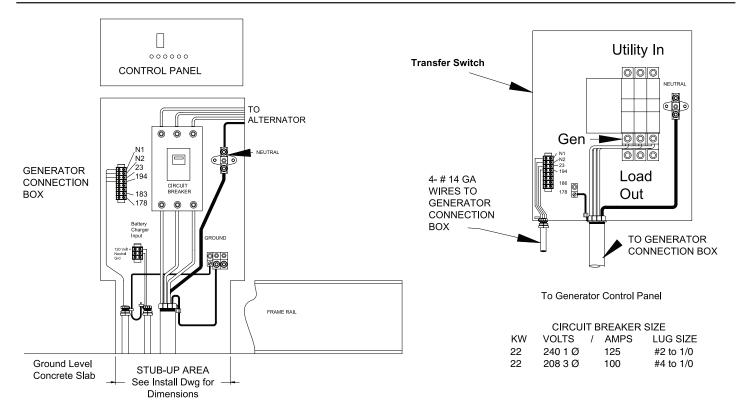
OPERATING DATA

		STANDBY 27 kW			
KW RATING			27		
ENGINE SIZE			2.4 Liter Inlin	e 4	
GENERATOR OUTPUT VOLTAGE/KW - 60Hz 120/240V, 1-phase, 1.0 pf 120/208V, 3-phase, 0.8 pf	KW Nat. Gas 25 25	AMP 104 87	KW LPG 27 27	AMP 112 94	CB Size (Both) 125 100
GENERATOR LOCKED ROTOR KVA AVAILABLE @ VOLTAGE DIP OF 35% Single phase or 208 3-phase			43		
ENGINE FUEL CONSUMPTION (Natural Gas) (Propanel Exercise cycle 25% of rated load 50% of rated load 75% of rated load 100% of rated load	(ft 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Gas (25 k) 3/hr.) 42 08 97 287	(ga 0. 1 2 3	Propane I/hr.) 44 .2 .2 3.2	(27 kW) cu ft/hr 16 44 81 118 147
ENGINE COOLING Air flow (inlet air including alternator and combustion air) ft³/mir System coolant capacity US ga Heat rejection to coolant BTU/h Max. operating air temp. on radiator °C (°F Max. ambient temperature °C (°F	ı. I. r.)	2,400 2.5 120,000 60 (150) 50 (140)			
COMBUSTION AIR REQUIREMENTS Flow at rated power 60 Hz cfr	n		68		
SOUND EMISSIONS IN DBA Exercising at 7 meters Normal operation at 7 meters		61 70			
EXHAUST Exhaust flow at rated output 60 Hz cfr Exhaust temp. at muffler outlet °	130 900				
ENGINE PARAMETERS Rated synchronous RPM 60 H HP at rated KW 60 H		1800 40			
POWER ADJUSTMENT FOR AMBIENT CONDITIONS Temperature Deration 3% for every 10 °C above - °C 1.65% for every 10 °F above - °C Altitude Deration 1% for every 100 m above - r 3% for every 1000 ft. above - f	D =	25 77 183 600			
ENCLOSURE Material Color			Aluminum PMS 422 (Bise		

RATING: All three phases units are rated at 0.8 power factor. All single phase units are rated at 1.0 power factor. STANDBY RATING: Standby ratings apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046-1. Design and specifications are subject to change without notice.

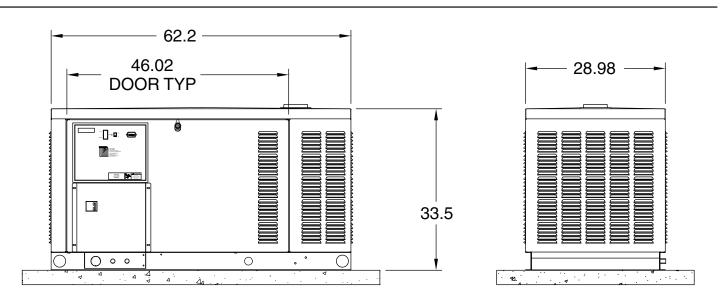
INTERCONNECTIONS

Standby 27 kW



Installation Drawing Ref. No. 0G0325

INSTALLATION LAYOUT



SEE INSTALL DWG 0G9370 FOR DETAILS

FRONT VIEW

WEIGHT: 1255 lbs.

