Standby Power Rating

60 kW 60 Hz

Liquid Cooled Gas Engine Generator Sets



WhisperTest™

Low Speed Exercise 61 dB(A) at 23 feet

GENERAC 3.0L ENGINE

Naturally Aspirated Gaseous Fueled

UL 2200 Listed

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 and battery cables
- Battery rack
- Fan and belt guards
- Isochronous governor
- Flex fuel line

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 low noise level exercise
- Acoustically designed engine cooling system
- High flow low noise factory engineered exhaust system
- State of the art control system with R-100 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 textured powder paint



GENERATOR SPECIFICATIONS

TYPEROTOR INSULATION	Class H
STATOR INSULATION	
TOTAL HARMONIC DISTORTIONTELEPHONE INTERFERENCE FACTOR (TIF)	
ALTERNATOR OUTPUT LEADS 3 PHASE	
BEARINGS	Sealed Ball
COUPLING	
LOAD CAPACITY (STANDBY RATING)	
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	Single Phase
	± 1%
FEATURES	V/F Adjustable
	Adjustable Voltage and Gain
	LED 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

☐ SEVEN LED INDICATOR LIGHTS

- System ready
- Low fuel pressure
- Low battery
- Low oil pressure
- · High coolant temp/low coolant temp
- Overspeed
- Overcrank

☐ ADDITIONAL FUNCTIONS

- Utility sensing
- Delay on utility failure for engine start
- Engine warm-up before transfer
- Delay to retransfer to utility
- Engine cooldown timer
- Exerciser not set

☐ 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

Generac
3.0 Liter
V-6
3.0 Liter
3.1
Naturally Aspirated
Hardened
Hydraulic - Overhead Cam

GOVERNOR SPECIFICATIONS

TYPE	Electronic
FREQUENCY REGULATION	± Isochronous
STEADY STATE REGULATION	
ADJUSTMENTS FOR:	± 0.20 /0
ADJUSTIVIENTS FUN.	
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	
WATER PUMP	Belt driven
FAN SPEED	2180
FAN DIAMETER	22 inches
FAN MODE	Puller

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 0

ELECTRICAL SYSTEM

BATTERY CHARGE ALTERNATOR	12V 30 Amp
STATIC BATTERY CHARGER	2 Amp
RECOMMENDED BATTERY	Group 24F, 525CCA
SYSTEM VOLTAGE	



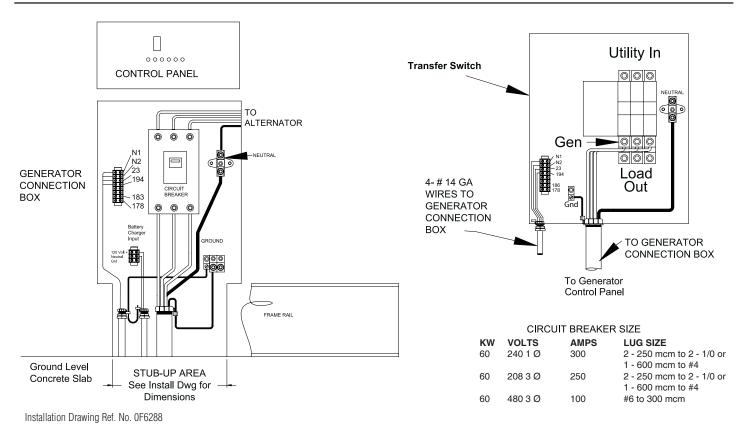


\cup DI	-D V.	TINI	, ''	T۸
UPF	·KA	TIN(-	1 I J A	IΑ

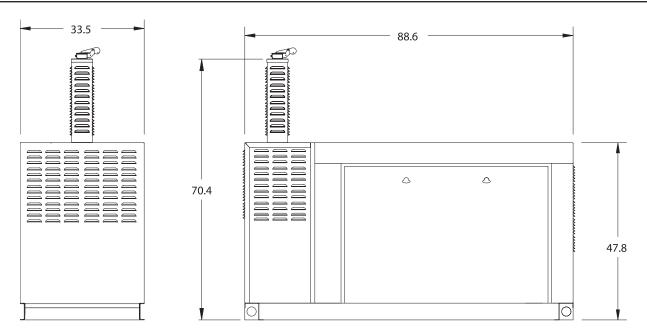
OPERATING DATA	COMMERCIAL 60 KW			
KW RATING			60	
ENGINE SIZE			3.0 Liter V-6	
GENERATOR OUTPUT VOLTAGE/KW - 60Hz 120/240V, 1-phase, 1.0 pf 120/208V, 3-phase, 0.8 pf 277/480V, 3-phase, 0.8 pf		KW 60 60 60	AMP 250 208 90	CB Size 300 250 100
GENERATOR LOCKED ROTOR KVA AVAILABLE @ VOLTAGE DIP OF 35% Single phase or 208 3-phase 480V 3-phase		120 141		
ENGINE FUEL CONSUMPTION (Natural Gas) (Preserving Exercise cycle 25% of rated load 50% of rated load 75% of rated load 100% of rated load 100% of rated load	ropane)	Natural Gas (ft ³ /hr.) 123 260 500 700 960	(gal/hr.) 1.34 2.84 5.46 7.64 10.48	ropane cu ft/hr 48.7 103.3 198.6 277.9 381.3
ENGINE COOLING Air flow (inlet air including alternator and com System coolant capacity Heat rejection to coolant Max. operating air temp. on radiator Max. ambient temperature	nbustion air) ft³/min. US gal. BTU/hr. °C (°F) °C (°F)		3,280 2.5 270,000 60 (150) 50 (140)	
COMBUSTION AIR REQUIREMENTS Flow at rated power 60 Hz	cfm	180		
SOUND EMISSIONS IN DBA Exercising at 7 meters (23 feet) Full load at 7 meters (23 feet)			61 75	
EXHAUST Exhaust flow at rated output 60 Hz Exhaust temp. at muffler outlet	cfm °F	494 1,050		
ENGINE PARAMETERS Rated synchronous RPM HP at rated KW	60 Hz 60 Hz		3600 94	
1.65% fo Altitude Deration	r every 10 °C above - °C or every 10 °F above - °F		25 77	
	every 100 m above - m every 1000 ft. above - ft.		183 600	

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. KW rating is based on LPG Fuel and may derate with natural gas. Maximum wattage and current are subject to and limited by such factors as fuel Btu content, ambient temperature, altitude, engine power and condition, etc.





INSTALLATION LAYOUT



UNIT WEIGHT: Steel 1650 lbs., Aluminum 1513 lbs.

GENERAC® POWER SYSTEMS, INC. • P.O. BOX 297 • WHITEWATER, WI 53190

www.guardiangenerators.com