# Standby Power Rating

# 60 kW 60 Hz

# Liquid Cooled Gas Engine Generator Sets



Whisper-Test M

Low Speed Exercise 63 dB(A) at 23 feet

### GENERAC 3.0L 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 and battery cables
- Battery rack
- Fan and belt guards
- Isochronous governor
- Flex fuel line pigtail

### **FEATURES**

- Innovative design and fully prototype tested
- UL 2200 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-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 textured 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)	60 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	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**

MAKE	Generac
MODEL	3.0 Liter
CYLINDERS	V-6
DISPLACEMENT	3.0 Liter
BORE	3.55
STROKE	3.1
COMPRESSION RATIO	
INTAKE AIR SYSTEM	Naturally Aspirated
VALVE SEATS	Hardened
LIFTER TYPE	Hvdraulic - 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 <sub>2</sub> 0

## **ELECTRICAL SYSTEM**

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



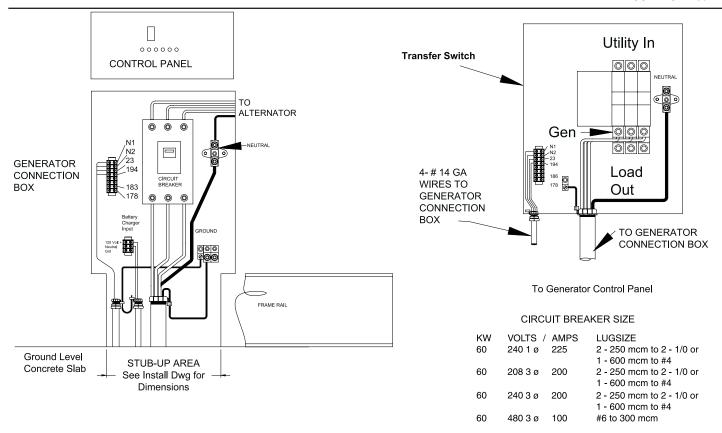


COMMERCIAL SERIES

ODED ATTALO

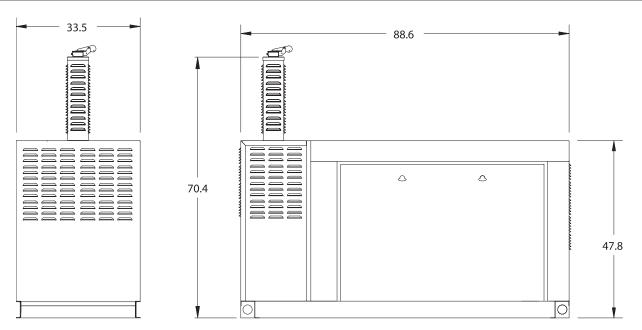
OPERATING DATA		CO	OMMERCIAL 60 kW	
KW RATING		60		
ENGINE SIZE			3.0 Liter V-6	
GENERATOR OUTPUT VOLTAGE/KW - 120/240V, single phase, 1.0 pf 120/208V, 3-phase, 0.8 pf 120/240V, 3-phase, 0.8 pf 277/480V, 3-phase, 0.8 pf	60Hz	KW       AMP       CB Size         60       250       300         60       208.4       250         60       180.6       200         60       90.3       100		300 250 200
GENERATOR LOCKED ROTOR KVA AVAILABLE @ VOLTAGE DIP OF 35% Single phase or 208V & 240V 3-ph 480V 3-phase		120 141		
ENGINE FUEL CONSUMPTION (Natural Exercise cycle 25% of rated load 50% of rated load 75% of rated load 100% of rated load	ıl Gas) (Propane)	Natural Gas (ft <sup>3</sup> /hr.) 123 260 500 700 960	(gal/hr.) 1.34 2.84 5.46 7.64 10.48	opane cu ft/hr 48.7 103.3 198.6 277.9 381.3
ENGINE COOLING  Air flow (inlet air including alternator System coolant capacity  Heat rejection to coolant  Max. operating air temp. on radiato Max. ambient temperature	US gal. BTU/hr.	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 db(A) @ 23 feet in exercise mode db(A) @ 23 feet at normal operation	g load	63 71		
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	
POWER ADJUSTMENT FOR AMBIENT Temperature Deration  Altitude Deration	CONDITIONS  3% for every 10 °C above - °C  1.65% for every 10 °F above - °F  1% for every 100 m above - m  3% for every 1000 ft. above - ft.	25 77 183 600		

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. 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.

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