Standby Power Rating

35 kW 60 Hz

Liquid Cooled Gas Engine Generator Sets



WHISPER-TESTTM

Low Speed Exercise 63 dB(A) at 23 feet

GENERAC 2.4L 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 digital control system with R100 digital control panel
- 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	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)	35 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
REGULATION	± 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

ADDITIONAL FUNCTIONSUtility sensing

Engine cooldown timer

Exerciser not set

· Delay on utility failure for engine start

Engine warm-up before transferDelay to retransfer to utility

☐ SEVEN LED INDICATOR LIGHTS

- 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	
CYLINDERS	4
DISPLACEMENT	2.4 Liter, 146 cu. in.
BORE	
STROKE	3.94
COMPRESSION RATIO	8.5:1
INTAKE AIR SYSTEM	
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

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

ENGINE COOLING SYSTEM

TYPE	
WATER PUMP	
FAN SPEED	2150
FAN DIAMETER	18 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 0

ELECTRICAL SYSTEM

BATTERY CHARGE ALTERNATOR	12V 30 Amp
	2 Amp
	Group 24F, 525CCA
OTOTEW VOEI/IGE	

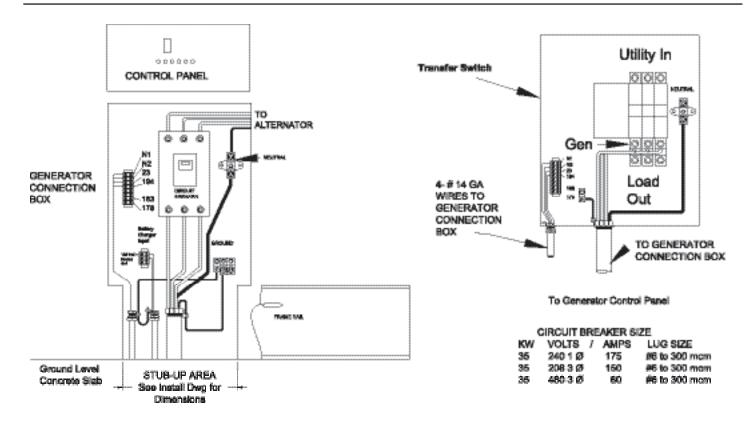


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OPERATING DATA COMMERCIAL 35							
KW RATING							
ENGINE SIZE		2.4 Liter 4 cyl.					
GENERATOR OUTPUT VOLTAGE/KW 120/240V, 1-phase, 1.0 pf LP an 120/208V, 3-phase, 0.8 pf LP an 277/480V, 3-phase, 0.8 pf LP an	d NG d NG	KW 35 35 35	AMP 146 121 53	CB Size 175 150 60			
GENERATOR LOCKED ROTOR KVA AVAILABLE @ VOLTAGE DIP OF 35 Single phase or 208V 3-phase 480V 3-phase	%	69 76					
ENGINE FUEL CONSUMPTION (Natu Exercise cycle 25% of rated load 50% of rated load 75% of rated load 100% of rated load	ral Gas) (Propane)	Natural Gas (ft ³ /hr.) 87 150 291 405 560	Pr (gal/hr.) 95 1.64 3.18 4.42 6.11	opane cu ft/hr 34.5 59.6 115.7 160.8 222.3			
ENGINE COOLING Air flow (inlet air including alternat System coolant capacity Heat rejection to coolant Max. operating air temp. on radia Max. ambient temperature	US gal. BTU/hr.	2,460 2.5 134,000 60 (150) 50 (140)					
COMBUSTION AIR REQUIREMENTS Flow at rated power 60 Hz	cfm	129					
SOUND EMISSIONS IN DBA Exercising at 7 meters (23 feet) Full load at 7 meters (23 feet)			63 74				
EXHAUST Exhaust flow at rated output 60 Hz Exhaust temp. at muffler outlet	cfm °F		360 1050				
ENGINE PARAMETERS Rated synchronous RPM HP at rated KW	60 Hz 60 Hz		3600 55				
POWER ADJUSTMENT FOR AMBIEN Temperature Deration Altitude Deration	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.		40 104 915 3000				

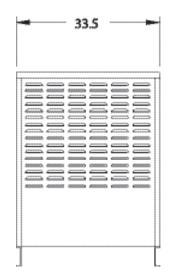
RATING: All three phases units are rated at 0.8 power factor. All single phase units are rated at 1.0 power factor. STANDBY RATING: Standby ratings apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is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

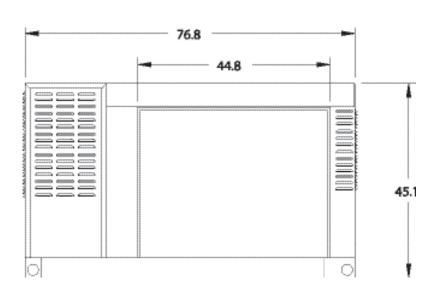
Maximum wattage and current are subject to and limited by such factors as fuel Btu content, ambient temperature, altitude, engine power and condition, etc.



Installation Drawing Ref. No. 0F6286

INSTALLATION LAYOUT





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