GL022



GL02224ANAX_MX

- Two Line LCD Tri-Lingual Digital Evolution™ Controller
- Isochronous Electronic Governor
- Sound Attenuated Enclosure
- Closed Coolant Recovery System
- Smart Battery Charger
- UV/Ozone Resistant Hoses
- ±1% Voltage Regulation
- Natural Gas or LP Operation
- 5 Year Limited Warranty

PERFORMANCE		
Stand By Power [ESP] (Liquid Propane)	W	22000
Stand By Power [ESP] (Natural Gas)	W	22000
Frequency	Hz	60
Voltage	V	120/240
Phase		1
Power factor	cos ϕ	1



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 kilovolt amps and current are subject to and limited by such factors as fuel Btu/megajoule content, ambient temperature, altitude, engine power and condition, etc. Maximum power decreases about 1 percent for each 100 meters above 183m; and also will decrease about 3 percent for each 10 °C above 25°C.

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Engine specifications		
Engine Brand		Generac
Type		OHV
Engine cooling system		Water
Nr. of cylinder and disposition		4 in line
Displacement	cm^3	2400
Compression Ratio		9.5:1
Starting system		Electric
Electric circuit	V	12
Speed governor		Electronic
Operating Speed-Nominal	rpm	1800
Oil capacity	l	3.8
Fuel		Natural Gas or LP Gas
• Natural Gas: Fuel consumption 50%	m^3/h	5.4
• Natural Gas: Fuel consumption 100%	m^3/h	9
• Liquid Propane Gas: Fuel consumption 50%	l/h	7.8
• Liquid Propane Gas: Fuel consumption 100%	l/h	13

Note: Fuel pipe must be sized for full load. Required fuel pressure to generator fuel inlet at all load ranges 1,24 - 3,48 kPA, (9-26 mmHG) (5"-14" water column) for natural gas and LP gas.
Outputs are based upon values:
@ 1000 Btu per cubic feet with NG and 2520 Btu per cubic feet with LP@ 37.26 Megajoules per cubic meter with NG and 93.7 Megajoules per cubic meter with LP

Alternator Specifications		
Frequency	Hz	60
Voltage regulation system		AVR
Phase (s)		1
Poles		4



Data Current		
Max current (Liquid Propane)	A	91.67
Max current (Natural Gas)	A	91.67
Circuit breaker	A	100

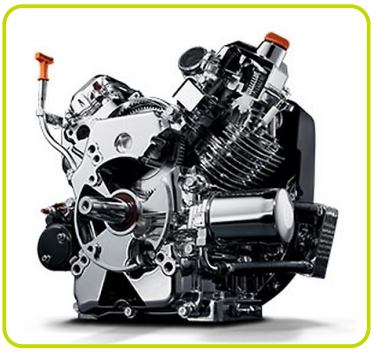
Dimensional data		
Length	(L) mm	1580
Width	(W) mm	776
Height	(H) mm	980
Dry weight	kg	410.5

Noise Level		
Noise pressure level @ 7 m	dB(A)	61
Quiet-Test Mode	dB(A)	70



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Features and Benefits



SMART, USER-FRIENDLY CONTROLS
The Evolution™ controller is easily visible and accessible without having to open the generator enclosure. It features a multilingual LCD display that allows users to monitor generator status and maintenance intervals.

TOUGH, DURABLE ALL-ALUMINUM ENCLOSURES
The aluminum enclosure, treated with a RhinoCoat™ finish, provides corrosion resistance and is designed to withstand a variety of weather conditions.

GENERAC DESIGNED & BUILT ENGINE
The engine is specifically designed for generator applications. It features a dual-valve, low-pressure fuel system and proprietary controls that manage more than 100 functions to maintain optimal performance and efficiency across a range of temperatures and altitudes.

QUIET-TEST™ SELF-TEST MODE
Quiet-Test™ self-test mode operates the generator at a lower, quieter engine speed to verify proper operation while using less fuel. The test can be scheduled weekly, biweekly, or monthly.

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Controls

Evolution™ Digital Controller
Precise control of all generator systems ensures clean and stable electrical output. Backlit LCD screen with automatically adjusting contrast for easy viewing in changing conditions.



Mode Buttons:

- Auto/Manual/Off

Program Functions and Protections:

- Ready to Run/Maintenance Messages
- Engine Run Hours Indication
- Programmable start delay
- Future Set Capable Exerciser/Exercise Set Error Warning
- Run/Alarm/Maintenance Logs (50 Events Each)
- Engine Start Sequence (cyclic cranking: 16 sec on, 7 rest, 90 sec maximum duration).
- Smart Battery Charger
- Charger Fault/Missing AC Warning
- Low Battery/Battery Problem Protection and Battery Condition Indication
- Under Speed/overload protection
- Under-Frequency/Overload/Stepper Overcurrent Protection
- Safety Fused/Fuse Problem Protection
- Automatic Low Oil Pressure
- Overcrank/Overspeed
- High Engine Temperature Shutdown
- Internal Fault/Incorrect Wiring Protection
- Common External Fault Capability
- Field Upgradable Firmware
- Circuit Breaker

AUTOMATIC BACKUP POWER GENERATORS

- Compatible with ATS Load Transfer Switches (Accessory)

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