

ROCKY RIVER BOARD OF ZONING & BUILDING APPEALS
INSTRUCTIONS TO APPLICANTS

MEETINGS: 2nd Thursday of each month at 7:00 P.M. in Council Chambers of Rocky River City Hall.

DUE DATE FOR SUBMITTALS: 2 weeks (14 days) prior to the scheduled BZA meeting. Late or incomplete submittals will not be forwarded to the Board for inclusion on the upcoming agenda.

WHO MUST ATTEND: A representative, including the property owner, must be present at the BZA meeting for all variance requests.

APPLICATION FEE: Residential Variance - \$100.00 first variance + \$35.00 each additional variance
Commercial Variance - \$150.00 first variance + \$35.00 each additional variance request.

SUBMISSION REQUIREMENTS: Please provide **11 stapled sets** of the following:

- 1) **Appropriate Building Permit Application** for your project. (i.e., Building Permit Application, Fence Permit Application, Accessory Permit Application, etc.); **Check representing Application Fee.**
- 2) **Fully completed Variance Application.** Begin with a written narrative describing exactly what project you would like to do and why it is necessary to do so. Please refer to the Typical Variance Sheet for guidance on which standard (Practical Difficulty **OR** Unnecessary Hardship) applies to your request – only complete questions under the appropriate heading.
- 3) **Detailed site drawing** – see attached example, showing all existing structures on the subject property, as well as structures on properties directly adjacent to the location of the subject of your variance request (i.e., line of neighbor's house, driveway and garage closest to the addition you are proposing). Proposed structures must also be shown on the site drawing, with dimensions and distances from property lines clearly labeled. **PLEASE STAKE THE PROPERTY TO SHOW FOOTPRINT OF ADDITIONS, SHEDS OR LOCATIONS OF A/C CONDENSERS, etc.** Site plan should show lot coverage by building calculation (existing and proposed).
- 4) **Elevation drawings** (for pergola, garage, addition or any exterior alteration). Show what all sides of the finished project will look like. Submit a photo example of proposed fences and sheds. Show height of structure on the elevations. Additions will require existing and proposed interior floor plans for the floors that are affected.
- 5) **Photographs** of your property and adjacent properties. Label each photo for clarity.
- 6) **Support letters** from surrounding property owners, if available.
- 7) **Any other information as may be requested** by the Building Department or Board Members.

All documentation or other information shall be delivered to:

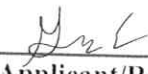
Rocky River Board of Zoning & Building Appeals, City of Rocky River Building Department, 21012 Hilliard Blvd., Rocky River, Ohio 44116. Call 440-331-0600 ext. 2037 with questions.

(Applicants may not communicate with or present information relating to their variance request to any Board member directly. Communications must be submitted to the Building Department for delivery to the Board.)

I, (the owner/applicant) understand that upon the granting of my variance request from the BZA, a separate Permit Application fee will be due prior to the issuance of the Building Permit. I will not begin construction until the Building Permit has been issued.

Property Owner

Date



Applicant/Representative

5/28/25

Date

TYPICAL VARIANCE SHEET

Please check appropriate box and answer questions as directed.

	Check as Applicable	VARIANCE STANDARD
<ul style="list-style-type: none"> Any functional, land or building USE not specifically permitted in either a particular zoning district, or otherwise not permitted by the Development Code 	<input type="checkbox"/>	(Use) Unnecessary Hardship
ADDITIONS & BUILDINGS: <i>(Complete Building Permit Application)</i>		
<ul style="list-style-type: none"> Rear, side & front setbacks 	<input type="checkbox"/>	(Area) Practical Difficulties
<ul style="list-style-type: none"> Coverage (>28%) 	<input type="checkbox"/>	(Area) Practical Difficulties
DRIVEWAYS: <i>(Complete Building Permit Application)</i>		
<ul style="list-style-type: none"> Width 	<input type="checkbox"/>	(Area) Practical Difficulties
<ul style="list-style-type: none"> Distance from property line 	<input type="checkbox"/>	(Area) Practical Difficulties
<ul style="list-style-type: none"> Circular if lot width is <90' 	<input type="checkbox"/>	(Area) Practical Difficulties
SIGNS: <i>(Complete Sign Permit Application)</i>		
<ul style="list-style-type: none"> Area allowed (maximum sq. ft.) 	<input type="checkbox"/>	(Area) Practical Difficulties
<ul style="list-style-type: none"> Height 	<input type="checkbox"/>	(Area) Practical Difficulties
<ul style="list-style-type: none"> Front setback 	<input type="checkbox"/>	(Area) Practical Difficulties
<ul style="list-style-type: none"> Lot width <100' 	<input type="checkbox"/>	(Area) Practical Difficulties
<ul style="list-style-type: none"> Number of items of information 	<input type="checkbox"/>	(Area) Practical Difficulties
<ul style="list-style-type: none"> On side of building 	<input type="checkbox"/>	(Area) Practical Difficulties
FENCES: <i>(Complete Fence Permit Application)</i>		
<ul style="list-style-type: none"> Height or Openness 	<input type="checkbox"/>	(Area) Practical Difficulties
<ul style="list-style-type: none"> Front Yard (in setback) 	<input type="checkbox"/>	(Area) Practical Difficulties
ACCESSORY BUILDINGS (Play Structures, Storage Sheds: <i>(Complete Accessory Structure Permit Application); Detached Garages:</i> <i>(Complete Building Permit Application)</i> <u>Note:</u> Total square footage of all accessory buildings, including detached garages, is not to exceed 600 square feet.)		
<ul style="list-style-type: none"> Height 	<input type="checkbox"/>	(Area) Practical Difficulties
<ul style="list-style-type: none"> Setback from property line 	<input type="checkbox"/>	(Area) Practical Difficulties
<ul style="list-style-type: none"> Square footage 	<input type="checkbox"/>	(Area) Practical Difficulties
Air Conditioners and Generators: <i>(Complete HVAC Permit for A/C or Electrical Permit for Generators)</i>		
<ul style="list-style-type: none"> In side or rear yard <10' from property line or in front yard 	<input checked="" type="checkbox"/>	(Area) Practical Difficulties
Parking: <i>(Complete Building Permit Application)</i>		
<ul style="list-style-type: none"> < the number of spaces required 	<input type="checkbox"/>	(Area) Practical Difficulties
<ul style="list-style-type: none"> Setback from property line 	<input type="checkbox"/>	(Area) Practical Difficulties

PRACTICAL DIFFICULTIES

ALL QUESTIONS REQUIRE A COMPLETE RESPONSE

R.R.C.O. 1133.17(c)(1). In order to grant an area variance, the following factors shall be considered and weighted by the Board of Appeals to determine practical difficulty:

A.) Describe what special conditions and circumstances exist which are peculiar to the land or structure involved and which are not applicable generally to other land or structures in the same zoning district (i.e., exceptional irregularity, narrowness, shallowness or steepness of the lot; or proximity to non-conforming and inharmonious uses, structures or conditions).

Due to location of driveway and the gas and electric meters, the generator must be placed on the left side
of the house.

B.) Explain whether the property in question will yield a reasonable return or whether there can be any beneficial use of the property without the variance (discuss use limitations without the variance).

There is no other feasible location where the generator could be located.

C.) Explain whether the variance is substantial and is the minimum necessary to make possible the reasonable use of the land or structures (demonstrate how much the variance request deviates from Code requirements, i.e., coverage is 1 or 2% above Code, or setback is 1 or 2 feet less than Code requirement).

Code requires a 10 ft distance to the nearest property line, but other locations aren't viable options

D.) Explain whether the essential character of the neighborhood would be substantially altered and whether adjoining properties would suffer substantial detriment as a result of the variance (discuss the increase of value, use, and aesthetic appeal for both your property and adjoining properties, together with any negative impact to adjoining properties).

It would not.

E.) Explain whether the variance would adversely affect the delivery of governmental services, such as water, sewer, or trash pickup.

It would not.

F.) Explain whether the property owner purchased the property with knowledge of the zoning restrictions.

They did not.

G.) Explain whether special conditions or circumstances exist as a result of actions of the owner.

There are none.

H.) Explain whether the property owner's predicament feasibly can be obviated through some method other than a variance (why other means and methods of property improvements or enhancements would not suffice).

It cannot. Due to the location of the driveway and electric and gas meters, this is the only location where
a generator can be installed.

I.) Explain whether the spirit and intent behind the zoning requirement would be observed and substantial justice done by granting a variance (discuss the positive impact of your improvement on your property and on the surrounding neighborhood).

It would provide peace of mind during power outages and increase the value of the home

J.) Explain whether the granting of the variance requested will confer on the applicant any special privilege that is denied by this regulation to other lands, structures, or buildings in the same district.

No special privileges.

K.) Explain whether a literal interpretation of the provisions of this Code would deprive the applicant of rights commonly enjoyed by other properties in the same district under the terms of this Code.

It would prevent the home owner the ability to provide backup power in case of outages

PLEASE NOTE: A separate Permit Application and fee will be due prior to issuance of the Building Permit. NO CONSTRUCTION IS TO BEGIN until the Building Permit has been issued.

CITY OF ROCKY RIVER
DIVISION OF BUILDINGS

SUB-DIVISION OF ELECT.

DATE: 3/31 20 25

AGREEMENT: In consideration of receiving a permit to install Electrical Equipment described on this application, the undersigned agrees to rules and ordinances of the City of Rocky River and the State of Ohio regulating such.

SIGNED:



Licensed Contractor / Homeowner

ADDRESS:

11401 Hilltop Rd, Albion, PA 16401

Contractor Address

CONTACT PHONE NO.: 440-487-7976

Contractor / Homeowner

NOTICE: ENCLOSE CHECK AND SELF-ADDRESSED ENVELOPE

OWNER: Charlie Gagliano

PERMIT NUMBER: _____

STREET ADDRESS: 229 Argyle Rd, Rocky River, OH 44116

PERMIT FEE: _____

ELECTRICAL CONTRACTOR:

Shumake Electric

ESTIMATED COST: \$12,200

APPLICATION IS HEREBY MADE TO INSTALL WORK AS INDICATED BELOW.

Base Fee: \$50/\$100 (Residential/Commercial)

Unit Counts

<input type="checkbox"/> Outlets (\$1/\$2)	<input type="checkbox"/> Motors (\$15/\$35)	<input type="checkbox"/> Range (\$1/\$2)
<input type="checkbox"/> Fixtures (\$1/\$2)	<input type="checkbox"/> Heaters (\$15/\$35)	<input type="checkbox"/> Sign
<input type="checkbox"/> Switches (\$1/\$2)	<input type="checkbox"/> Air Conditioner (\$15/\$35)	<input type="checkbox"/> Misc
<input type="checkbox"/> Dryer (\$1/\$2)	<input type="checkbox"/> Service (\$15/\$35)	<input type="checkbox"/> Panel (\$15/\$35)
<input checked="" type="checkbox"/> Generator (\$25/\$25)	<input type="checkbox"/> Solar Panels (\$150)	Plus: Ohio Tax (1% Res/3% Comm)

Additional Information: 22KW Generator & 100A Transfer Switch

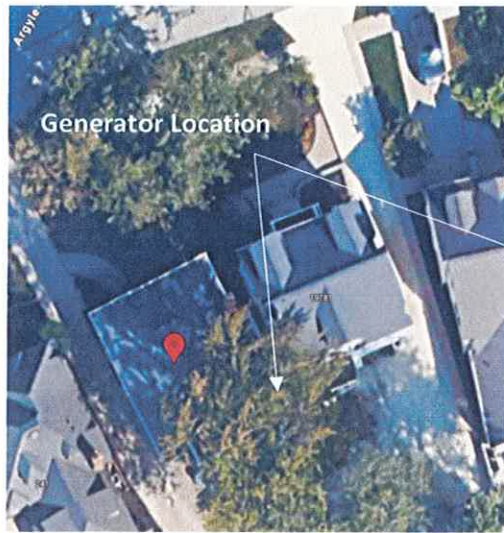
SHUMAKE ELECTRIC

11401 Hilltop Rd, Albion, PA 16401 / 5380 Naiman Pkwy, Ste. E, Solon, OH 44139

Generator Site Plan

Charlie Gagliano

229 Argyle Rd, Rocky River, OH 44116



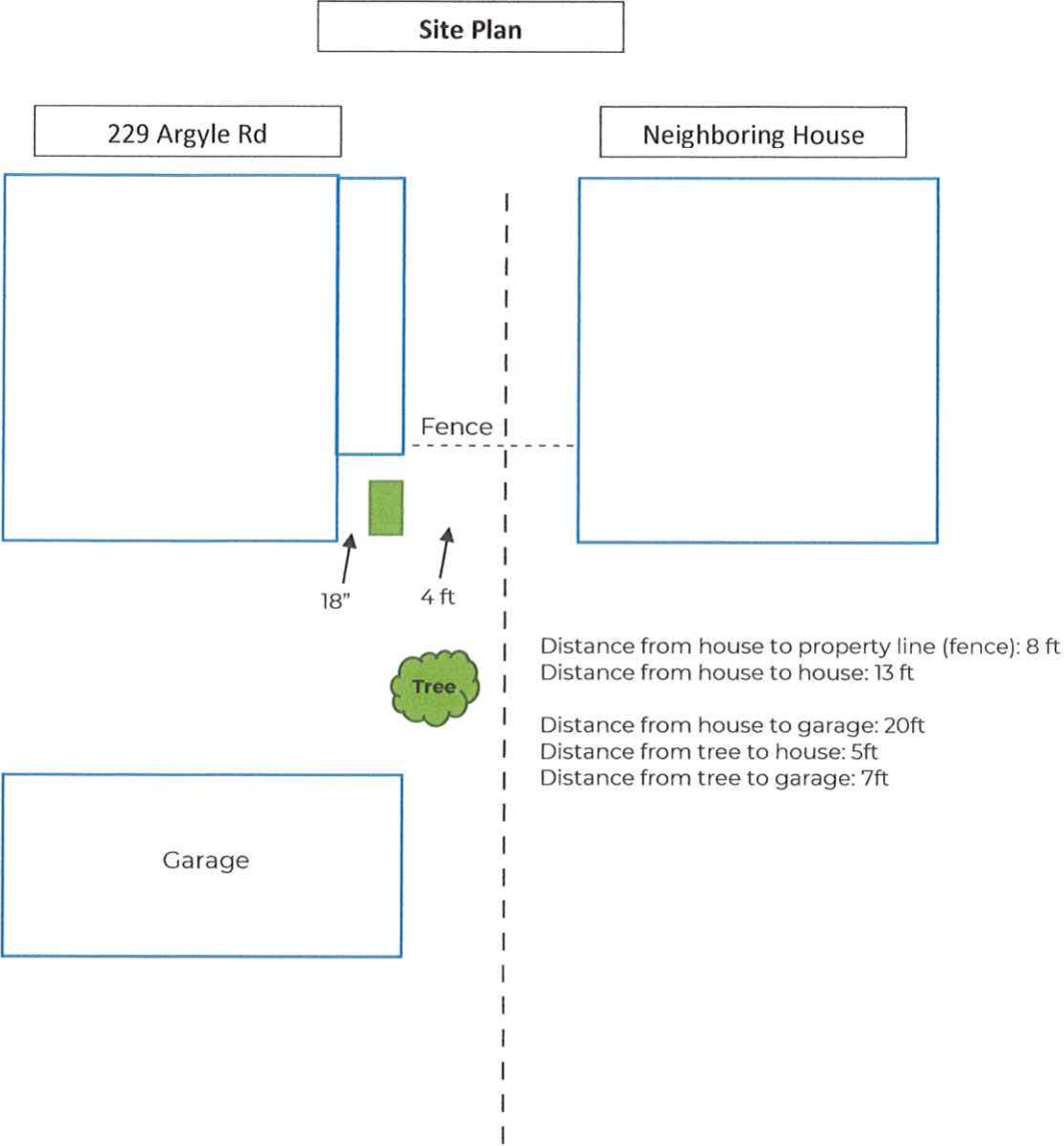
Distance Measurements:

- Distance measured from (proposed) side of generator to nearest property line: 4 ft
- Distance from house to house: 13 ft
- Distance from house to property line: 8 ft
- Distance from generator to house: 18 inches
- Generator Dimensions:

Generator will be screened by fencing

SHUMAKE ELECTRIC

11401 Hilltop Rd, Albion, PA 16401 / 5380 Naiman Pkwy, Ste. E, Solon, OH 44139



SHUMAKE ELECTRIC

11401 Hilltop Rd, Albion, PA 16401 / 5380 Naiman Pkwy, Ste. E, Solon, OH 44139

Additional Site Photos:

Front of House



Rear of House



Side View of Rear: Driveway, Tree, & Garage



Generator Location



Garage



Behind Garage, showing tree blocking path



20/22/24 kW

GENERAC®

GUARDIAN® SERIES
Residential Standby Generators
Air-Cooled Gas Engine

20/22/24 kW

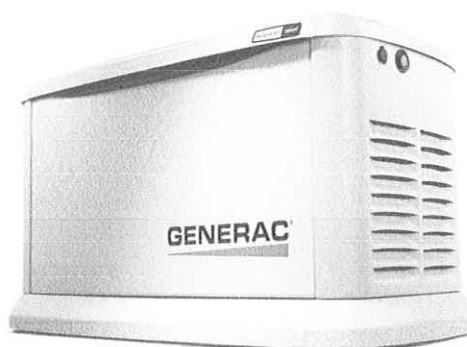
1 of 6

INCLUDES:

- True Power™ Electrical Technology
 - Two-line multilingual digital LCD Evolution™ controller (English/Spanish/French/Portuguese)
 - 200 amp service rated transfer switch available
 - Electronic governor
 - Standard Wi-Fi® connectivity
 - System status & maintenance interval LED indicators
 - Sound attenuated enclosure
 - Flexible fuel line connector
 - Natural gas or LP gas operation
 - 5 Year limited warranty
 - Listed and labeled for installation as close as 18 in (457 mm) to a structure.*
- *Must be located away from doors, windows, and fresh air intakes and in accordance with local codes.*

Standby Power Rating

G007038-1, G007039-1, G007038-3, G007039-3 (Aluminum - Bisque) - 20 kW 60 Hz
G007042-10, G007042-11, G007043-10, G007043-11 (Aluminum - Bisque) - 22 kW 60 Hz
G007209-10, G007210-10 (Aluminum - Bisque) - 24 kW 60 Hz



Product shown with optional fascia kit



Note: CETL or CUL certification only applies to unbundled units and units packaged with limited circuit switches. Units packaged with the Smart Switch are ETL or UL certified in the USA only.

FEATURES

- **INNOVATIVE ENGINE DESIGN & RIGOROUS TESTING** are at the heart of Generac's success in providing the most reliable generators possible. Generac's G-Force engine lineup offers added peace of mind and reliability for when it's needed the most. The G-Force series engines are purpose built and designed to handle the rigors of extended run times in high temperatures and extreme operating conditions.
- **TRUE POWER™ ELECTRICAL TECHNOLOGY:** Superior harmonics and sine wave form produce less than 5% Total Harmonic Distortion for utility quality power. This allows confident operation of sensitive electronic equipment and micro-chip based appliances, such as variable speed HVAC systems.
- **TEST CRITERIA:**
 - ✓ **PROTOTYPE TESTED**
 - ✓ **SYSTEM TORSIONAL TESTED**
 - ✓ **NEMA MG1-22 EVALUATION**
 - ✓ **MOTOR STARTING ABILITY**
- **MOBILE LINK® CONNECTIVITY:** FREE with select Guardian Series Home standby generators, Mobile Link Wi-Fi allows users to monitor generator status from anywhere in the world using a smartphone, tablet, or PC. Easily access information such as the current operating status and maintenance alerts. Users can connect an account to an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.
- **SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION:** This state-of-the-art power maximizing regulation system is standard on all Generac models. It provides optimized FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine. Digital voltage regulation at $\pm 1\%$.
- **SINGLE SOURCE SERVICE RESPONSE** from Generac's extensive dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component.
- **GENERAC TRANSFER SWITCHES:** Long life and reliability are synonymous with GENERAC POWER SYSTEMS. One reason for this confidence is that the GENERAC product line is offered with its own transfer systems and controls for total system compatibility.



20/22/24 kW

Features and Benefits

Engine

- Generac G-Force design
- "Spiny-lok" cast iron cylinder walls
- Electronic ignition/spark advance
- Full pressure lubrication system
- Low oil pressure shutdown system
- High temperature shutdown

Maximizes engine "breathing" for increased fuel efficiency. Plateau honed cylinder walls and plasma moly rings help the engine run cooler, reducing oil consumption and resulting in longer engine life.

Rigid construction and added durability provide long engine life.

These features combine to assure smooth, quick starting every time.

Pressurized lubrication to all vital bearings means better performance, less maintenance, and longer engine life. Now featuring up to a 2 year/200 hour oil change interval.

Shutdown protection prevents catastrophic engine damage due to low oil.

Prevents damage due to overheating.

Generator

- Revolving field
- Skewed stator
- Displaced phase excitation
- Automatic voltage regulation
- EPA Certified for non-emergency applications
- UL 2200 listed

Allows for a smaller, light weight unit that operates 25% more efficiently than a revolving armature generator.

Produces a smooth output waveform for compatibility with electronic equipment.

Maximizes motor starting capability.

Regulating output voltage to $\pm 1\%$ prevents damaging voltage spikes.

Allows unit to be used for demand response applications (excluding 20 kW units).

For your safety.

Transfer Switch (if applicable)

- Fully automatic
- NEMA 3R
- Integrated load management technology
- Remote mounting

Transfers vital electrical loads to the energized source of power.

Can be installed inside or outside for maximum flexibility.

Capability to manage additional loads for efficient power management.

Mounts near an existing distribution panel for simple, low-cost installation.

Evolution™ Controls

- AUTO/MANUAL/OFF illuminated buttons
- Two-line multilingual LCD
- Sealed, raised buttons
- Utility voltage sensing
- Generator voltage sensing
- Utility interrupt delay
- Engine warm-up
- Engine cool-down
- Programmable exercise
- Smart battery charger
- Main line circuit breaker
- Electronic governor

Selects the operating mode and provides easy, at-a-glance status indication in any condition.

Provides homeowners easily visible logs of history, maintenance, and events up to 50 occurrences.

Smooth, weather-resistant user interface for programming and operations.

Constantly monitors utility voltage, setpoints 65% dropout, 80% pick-up, of standard voltage.

Constantly monitors generator voltage to verify the cleanest power delivered to the home.

Prevents nuisance start-ups of the engine, adjustable 2-1500 seconds from the factory default setting of 5 seconds by a qualified dealer.

Verifies engine is ready to assume the load, setpoint approximately 5 seconds.

Allows engine to cool prior to shutdown, setpoint approximately 1 minute.

Operates engine to prevent oil seal drying and damage between power outages by running the generator for 5 minutes every other week. Also offers a selectable setting for weekly or monthly operation providing flexibility and potentially lower fuel costs to the owner.

Delivers charge to the battery only when needed at varying rates depending on outdoor air temperature. Compatible with lead acid and AGM-style batteries.

Protects generator from overload.

Maintains constant 60 Hz frequency.

Unit

- SAE weather protective enclosure
- Enclosed critical grade muffler
- Small, compact, attractive

Sound attenuated enclosures ensure quiet operation and protection against mother nature, withstanding winds up to 150 mph (241 km/h). Hinged key locking roof panel for security. Lift-out front for easy access to all routine maintenance items. Electrostatically applied textured epoxy paint for added durability.

Quiet, critical grade muffler is mounted inside the unit to prevent injuries.

Makes for an easy, eye appealing installation, as close as 18 in (457 mm) away from a structure.

20/22/24 kW

Features and Benefits

Installation System

- 14 in (35.6 cm) flexible fuel line connector
- Integral sediment trap

Listed ANSI Z21.75/CSA 6.27 outdoor appliance connector for the required connection to the gas supply piping.

Meets IFGC and NFPA 54 installation requirements.

Connectivity (Wi-Fi equipped models only)

- Ability to view generator status
- Ability to view generator Exercise/Run and Total Hours
- Ability to view generator maintenance information
- Monthly report with previous month's activity
- Ability to view generator battery information
- Weather information

Monitor generator with a smartphone, tablet, or computer at any time via the Mobile Link application for complete peace of mind.

Review the generator's complete protection profile for exercise hours and total hours.

Provides maintenance information for the specific model generator when scheduled maintenance is due.

Detailed monthly reports provide historical generator information.

Built in battery diagnostics displaying current state of the battery.

Provides detailed local ambient weather conditions for generator location.

20/22/24 kW

Specifications

Generator					
Model	G007038-1 G007039-1 (20 kW)	G007042-10 G007043-10 (22 kW)	G007038-3 G007039-3 (20 kW)	G007042-11 G007043-11 (22 kW)	G007209-10 G007210-10 (24 kW)
Rated maximum continuous power capacity (LP)	20,000 Watts*	22,000 Watts*	20,000 Watts*	22,000 Watts*	24,000 Watts*
Rated maximum continuous power capacity (NG)	18,000 Watts*	19,500 Watts*	18,000 Watts*	19,500 Watts*	21,000 Watts*
Rated voltage	240				
Rated maximum continuous load current – 240 volts (LP/NG)	83.3 / 75.0	91.7 / 81.3	83.3 / 75.0	91.7 / 81.3	100 / 87.5
Total Harmonic Distortion	Less than 5%				
Main line circuit breaker	90 amp	100 amp	90 amp	100 amp	100 amp
Phase	1				
Number of rotor poles	2				
Rated AC frequency	60 Hz				
Power factor	1.0				
Battery requirement (not included)	12 Volts, Group 26R 540 CCA minimum or Group 35AGM 650 CCA minimum				
Unit weight (lb / kg)	448 / 203	466 / 211	436 / 198	445 / 202	455 / 206
Dimensions (L x W x H) in / cm	48 x 25 x 29 / 121.9 x 63.5 x 73.7				
Sound output in dB(A) at 23 ft (7 m) with generator operating at normal load**	67	67	67	67	67
Sound output in dB(A) at 23 ft (7 m) with generator in Quiet-Test™ low-speed exercise mode**	55	57	55	57	57
Exercise duration	5 min				
Engine					
Engine type	GENERAC G-Force 1000 Series				
Number of cylinders	2				
Displacement	999 cc				
Cylinder block	Aluminum w/ cast iron sleeve				
Valve arrangement	Overhead valve				
Ignition system	Solid-state w/ magneto				
Governor system	Electronic				
Compression ratio	9.5:1				
Starter	12 VDC				
Oil capacity including filter	Approx. 1.9 qt / 1.8 L				
Operating rpm	3,600				
Fuel consumption					
Natural gas	ft ³ /hr (m ³ /hr)				
1/2 Load	204 (5.78)	228 (6.46)	164 (4.64)	203 (5.75)	
Full Load	301 (8.52)	327 (9.26)	287 (8.13)	306 (8.66)	
Liquid propane	ft ³ /hr (gal/hr) [L/hr]				
1/2 Load	87 (2.37) [8.99]	92 (2.53) [9.57]	86 (2.36) [8.95]	92 (2.53) [9.57]	
Full Load	130 (3.56) [13.48]	142 (3.90) [14.77]	136 (3.74) [14.15]	142 (3.90) [14.77]	
Note: Fuel pipe must be sized for full load. Required fuel pressure to generator fuel inlet at all load ranges - 3.5–7 in water column (0.87–1.74 kPa) for NG, 10–12 in water column (2.49–2.99 kPa) for LP gas. For BTU content, multiply ft ³ /hr x 2500 (LP) or ft ³ /hr x 1000 (NG). For Megajoule content, multiply m ³ /hr x 93.15 (LP) or m ³ /hr x 37.26 (NG).					
Controls					
Two-line plain text multilingual LCD	Simple user interface for ease of operation.				
Mode buttons: AUTO	Automatic start on utility failure. Weekly, Bi-weekly, or Monthly selectable exerciser.				
MANUAL	Start with starter control, unit stays on. If utility fails, transfer to load takes place.				
OFF	Stops unit. Power is removed. Control and charger still operate.				
Ready to Run/Maintenance messages	Standard				
Engine run hours indication	Standard				
Programmable start delay between 2–1500 seconds	Standard (programmable by dealer only)				
Utility Voltage Loss/Return to Utility adjustable (brownout setting)	From 140-171 V / 190-216 V				
Future Set Capable Exerciser/Exercise Set Error warning	Standard				
Run/Alarm/Maintenance logs	50 events each				
Engine start sequence	Cyclic cranking: 16 sec on, 7 rest (90 sec maximum duration).				
Starter lock-out	Starter cannot re-engage until 5 sec after engine has stopped.				
Smart Battery Charger	Standard				
Charger Fault/Missing AC warning	Standard				
Low Battery/Battery Problem Protection and Battery Condition indication	Standard				
Automatic Voltage Regulation with Over and Under Voltage Protection	Standard				
Under-Frequency/Overload/Stepper Overcurrent Protection	Standard				
Safety Fused/Fuse Problem Protection	Standard				
Automatic Low Oil Pressure/High Oil Temperature Shutdown	Standard				
Overcrank/Overspeed (@ 72 Hz)/rpm Sense Loss Shutdown	Standard				
High Engine Temperature Shutdown	Standard				
Internal Fault/Incorrect Wiring protection	Standard				
Common external fault capability	Standard				
Field upgradable firmware	Standard				

Rating definitions - Optional Standby: Applicable for supplying backup power for the duration of the utility power outage with correct maintenance performed. No overload capability is available for this rating. (All ratings in accordance with BS5514, ISO3046, UL2200, and DIN6271).

* 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 approximately 3.5% for each 1,000 ft (304.8 m) above sea level; and also will decrease approximately 1% for each 10 °F (6 °C) above 60 °F (16 °C).

** Sound levels are taken from the front of the generator. Sound levels taken from other sides of the generator may be higher depending on installation parameters.

20/22/24 kW

Switch Options

Service Rated Automatic Transfer Switch Features

- Intelligently manages up to four air conditioner loads with no additional hardware.
- Up to eight additional large (240 VAC) loads can be managed when used in conjunction with Smart Management Modules (SMMs).
- Electrically operated, mechanically-held contacts for fast, clean connections.
- Main breakers are rated for 80% continuous load.
- 2-pole, 250 VAC contactors.
- Service equipment rated, dual coil design.
- Rated for both aluminum and copper conductors.
- Main contacts are silver plated or silver alloy to resist welding and sticking.
- NEMA/UL 3R aluminum outdoor enclosure allows for indoor or outdoor mounting flexibility.

Model

G007039-1, G007039-3 (20 kW)
G007043-10, G007043-11 (22 kW)
G007210-10 (24 kW)

No. of poles	2
Current rating (amps)	200
Voltage rating (VAC)	120/240, 1Ø
Utility voltage monitor (fixed)*	
-Pick-up	80%
-Dropout	65%
Return to Utility*	Approx. 13 sec
ETL or UL listed	Standard
Enclosure type	NEMA/UL 3R
Circuit breaker protected	22,000
Lug range	250 MCM - #6

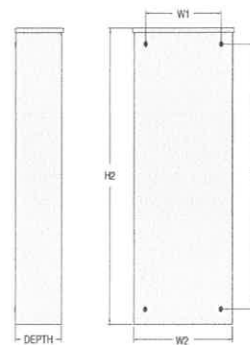
*Function of Evolution controller

Exercise can be set to weekly, bi-weekly, or monthly

Dimensions

200 Amps 120/240, 1Ø Open Transition Service Rated					
	Height		Width		Depth
	H1	H2	W1	W2	
in	26.8	30.1	10.5	13.5	6.9
cm	67.95	76.43	26.67	34.18	17.5

Wire Ranges		
Conductor Lug	Neutral Lug	Ground Lug
250 MCM - #6	350 MCM - #6	2/0 - #14



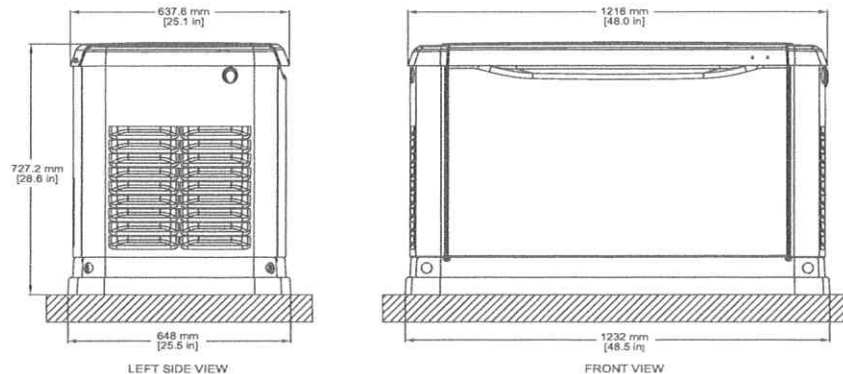
20/22/24 kW

Available Accessories

Model #	Product	Description
G007101-0	Battery Pad Warmer	Pad warmer rests under the battery. Recommended for use if temperature regularly falls below 0 °F (-18 °C). (Not necessary for use with AGM-style batteries).
G007102-0	Oil Warmer	Oil warmer slips directly over the oil filter. Recommended for use if temperature regularly falls below 0 °F (-18 °C).
G007103-1	Breather Warmer	Breather warmer is for use in extreme cold weather applications. For use with Evolution controllers only in climates where heavy icing occurs.
G005621-0	Auxiliary Transfer Switch Contact Kit	The auxiliary transfer switch contact kit allows the transfer switch to lock out a single large electrical load that may not be needed. Not compatible with 50 amp pre-wired switches.
G007027-0 - Bisque	Fascia Base Wrap Kit	The fascia base wrap snaps together around the bottom of the new air-cooled generators. This offers a sleek, contoured appearance as well as offering protection from rodents and insects by covering the lifting holes located in the base.
G005703-0 - Bisque	Touch-Up Paint Kit	If the generator enclosure is scratched or damaged, it is important to touch up the paint to protect from future corrosion. The touch-up paint kit includes the necessary paint to correctly maintain or touch up a generator enclosure.
G006485-0	Scheduled Maintenance Kit	Generac's scheduled maintenance kit provides all the items necessary to perform complete routine maintenance on a Generac automatic standby generator (oil not included).
G007005-0	Wi-Fi LP Tank Fuel Level Monitor	The Wi-Fi enabled LP tank fuel level monitor provides constant monitoring of the connected LP fuel tank. Monitoring the LP tank's fuel level is an important step in verifying the generator is ready to run during an unexpected power failure. Status alerts are available through a free application to notify users when the LP tank is in need of a refill.
G007000-0 (50 amp) G007006-0 (100 amp)	Smart Management Module	Smart Management Modules (SMM) are used to optimize the performance of a standby generator. It manages large electrical loads upon startup and sheds them to aid in recovery when overloaded. In many cases, using SMM's can reduce the overall size and cost of the system.
G007169-0 - 4G LTE G007170-0 - Wi-Fi/ Ethernet	Mobile Link® Cellular Accessories	The Mobile Link family of Cellular Accessories allow users to monitor generator status from anywhere in the world, using a smart phone, tablet, or PC. Easily access information such as the current operating status and maintenance alerts. Users can connect an account with an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.
G007220-0 - Bisque	Base Plug Kit	Base plugs snap into the lifting holes on the base of air-cooled home standby generators. This offers a sleek, contoured appearance, as well as offers protection from rodents and insects by covering the lifting holes located in the base. Kit contains four plugs, sufficient for use on a single air-cooled home standby generator.

Dimensions & UPCs

Model	UPC
G007038	696471074185
G007039	696471074192
G007042	696471074208
G007043	696471074215
G007209	696471071511
G007210	696471084801



Dimensions shown are approximate. See installation manual for exact dimensions. DO NOT USE THESE DIMENSIONS FOR INSTALLATION PURPOSES.