

PROFESSIONAL PRODUCT KNOWLEDGE GUIDE

AUTOMATIC STANDBY & PORTABLE GENERATORS



RESIDENTIAL • COMMERCIAL • PORTABLE generac.com

QUICK REFERENCE GUIDE

GENERAC GUARDIAN® SERIES & COREPOWER™ AUTOMATIC STANDBY GENERATORS

Generac is the #1 name in home standby power

- Fully automatic, hands-free operation
- Runs on natural gas or liquid propane gas
- True Power™ for safe operation of sensitive electronics
- Generac OHVI® engine built specifically for high demand generator use (8-20 kW models)
- 7-20 kW with included transfer switch to power hard-wired items (furnace, A/C, water heater, well pump, etc.)

PROTECT SELECTED CIRCUITS

8 circuits = 7 kW

10 circuits = 8 kW

12 circuits = 10 kW

14 circuits = 14 kW 16 circuits = 17 kW

- Match circuit for circuit from the transfer switch to main panel

WHOLE-HOUSE BACKUP

- 10 kW, 14 kW, 17 kW and 20 kW include the 200 Amp Service Rated Nexus Smart Switch™
- Protect up to whole house or business electrical service: 25-60 kW (transfer switch sold separately for multiple installation options.)

ORDER SHIPMENT LEAD TIMES*

- Air-cooled models (7-20 kW) = 14 days
- Liquid-cooled models (22-60 kW single phase) = 14 days
- Portables (All sizes) = 14 days
- * Lead times may vary due to weather emergencies. Call for three phase lead times.

For Store Support, Call 866-202-9786, Option 1

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GENERAC. THE GENERATOR EXPERTS

Generac is known primarily for generators. With a sole focus on power generation for over 50 years, our reputation as the generator experts has grown to include portable, RV, residential, commercial and industrial generators. Today, customers prefer Generac seven to one over the closest competition.

WHY CHOOSE GENERAC?

- Generac's OHVI® engine the only engine designed specifically for extended generator use. Powers our most popular standby and many of our portable generators.
- Extensive dealer network specializing in generators.
- Broadest home generator product line install the exact solution to your backup power needs.
- Easiest installation on the market with our pre-wired solutions.
- Generac's Guardian® Series of standby generators, and GP, XP, iX and XG Series of portable generators, have earned the Seal after review by the Good Housekeeping Research Institute.



GENERAC OHVI® ENGINE

The Only Engine Designed Specifically for Generator Use

Why is this important? Generators are often required to run for hours at a time, day after day. Generac's OHVI engine utilizes the same type of pressurized oil lubrication used to give automobile engines long and trouble free lives. Our engine has a significantly longer life than many competitive engines – an unprecedented three to four times longer. That's the reliability you need for the long run times emergency backup can require.

WHO NEEDS AN AUTOMATIC STANDBY GENERATOR?

Any customer who wants backup power that turns on automatically for residential or light commercial use is a potential Generac purchaser. Customers shop for one of several reasons:

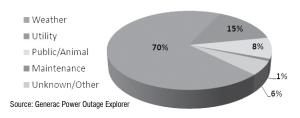
- 1) They have experienced a power outage in the past.
- 2) They have learned about the uncertain future of their electrical power supply.
- 3) They want to protect their home and family.

COST JUSTIFICATION

- Increase the value of your home, improve the quality of your life, and protect your family.
- Prevent accidents or costs due to an outage: lack of lighting, water pipes freezing - then bursting, flooded basements, food spoiling, security systems failing, etc.
- Approximately 40-45 million people now work out of their homes. How much money would they lose if they were without power for 2 or 3 days?

POWER OUTAGES

Permanent power protection is more important than ever as unexpected power outages have become more frequent and are lasting longer. Causes range from severe weather to an overtaxed power grid.



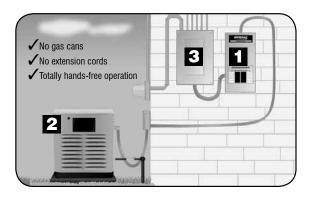


WHAT IS AN AUTOMATIC STANDBY GENERATOR?

If the power ever goes out, your Generac standby generator system goes on — automatically. The engine runs on existing natural gas or LP for a continuous, worry-free fuel supply. It is permanently installed outside of your home — similar to a central air conditioning unit.

HOW DOES IT WORK?

- 1 A Generac automatic transfer switch works in tandem with the generator to monitor utility power.
- 2 If the power ever goes out, the generator automatically starts, and the transfer switch transfers power from the utility to your generator to power your home or business.
- 3 When utility power is restored, the transfer switch will automatically return the electrical load from the generator back to the utility. The generator then shuts down and returns to standby mode.



SIZING A GENERATOR BASED ON THE CUSTOMER'S NEEDS.

By sizing a generator according to a customers' need instead of their home's square footage, they won't overspend or be surprised by inadequate coverage. Decide what items are important to your customer in a power outage. These items are powered through circuits in the breaker box. The number of chosen circuits determines the generator size. Use this chart as a quide to determine the power needed.

	7 kW	8 kW	10 kW	14 kW	17 kW	20 kW+
Air Conditioning	2-ton	3-ton	up to two 3-ton*	up to two 4-ton*	up to two 5-ton*	up to two 5-ton*
Kitchen						
Furnace						ш
Sump Pump						3AG
Number of Bathrooms Backed Up	1	1	2	2	3	E COVE
Number of Bedrooms Backed Up	1	2	3	4	5	UP TO WHOLE HOUSE COVERAGE
Living Areas						
Well Pump or Water Heater						V 01 °
Home Office						Ē
Garage						

^{*} For multiple A/C units use our 200 Amp Nexus Smart Switch™ package. Professional sizing is recommended.



INSTALL THE SYSTEM THAT CUSTOMERS WANT.

Cover just the basics. Many homeowners choose to cover only a minimum number of rooms during a power outage. Generac's smaller kW units fit these requirements perfectly and are remarkably economical – for example, customers can purchase a 7 kW for less than \$1800 plus installation and maintain power for their essential needs.

Back up whole house. Generac's full line of backup power solutions include larger generators capable of covering every circuit in any size home for true whole house protection.

More coverage with less generator. Gain up to whole-house coverage through Smart Power Management. If it is unlikely you will turn on every appliance at the same time (most people don't) a smaller generator paired with a Generac load managing switch provides whole-house coverage through a managed power solution.

TYPICAL BREAKER SIZES

Depending on the building and region, different breaker sizes may be used in the main distribution panel.

Circuit Breaker Amp Ratings	120 Volt (1-pole)		240 \	/olt (2-p	ole)	
	Typical	Could Be	Other	Typical	Could Be	Other
Well Pump				15	20	
Electric Dryer				30		
Electric Range				40		
Electric Water Heater				30	40	
Central Air Conditioner				30	40	50
2-ton (24,000 BTU)				20		
3-ton (36,000 BTU)				30		
4-ton (48,000 BTU)				40		
5-ton (60,000 BTU)				50		
Refrigerator	15	20				
Freezer	15	20				
Sump Pump	15	20				
Furnace	15					
Kitchen Countertop Outlets	20					
Kitchen Lights	15					
Microwave	20	15				
Bedrooms	15	20				
Bathroom Outlets	20					
Living Room	15	20				
Family Room	15	20				
Media Room	20	15				
Home Office	20	15				
Garage	15	20				
Security System	15	20				
Basement	15	20				
Septic System	15	20				
Smoke Detectors	15					
Other (Specify breaker amps)						



WEEKLY SELF-TEST

A weekly self-test that won't wake the neighbors. All automatic standby generators perform a weekly self-diagnostic test to validate proper operation. Quieter than the competition, only Generac's patented, programmable Quiet-Test™ mode kicks in for an ultra-quiet, neighborhood-friendly self-test.

SAFE FOR SENSITIVE ELECTRONICS

TruePower $^{\text{TM}}$ Technology provides confident operation of sensitive electronics such as heating, cooling, home theaters and computers. Less that 5% total harmonic distortion gives smooth and consistent sound-quality and performance.

HARSH WEATHER CONDITIONS? BRING IT ON.

Generac's patented galvanized steel enclosures with RhinoCoat™ provide substantial protection from the elements. For added protection, the all-weather aluminum enclosure's corrosion resistance prolongs the life of your generator in salt air coastal communities



GENERATOR EXTRAS

- 8-20 kW features:
 - · System status LED light
- Emergency shut-off breaker
 17 and 20 kW feature:
 - External GFCI Outlet safely plug in additional equipment for added flexibility during an outage.



ADDED SOUND REDUCTION

Generac enclosures are lined with sound reducing foam panels for even further reduction in noise levels.



USER-FRIENDLY CONTROLS

Nexus Digital Controller™has a user-friendly, trilingual LCD display and controls for programmable diagnostics and information at-a-glance. Sophisticated codes alert you to generator status at all times, (8 – 20 kW units).



BASE FASCIA

The Guardian Series base fascia provides added protection against debris and rodents. Standard on 20 kW, optional on 8-17 kW.



8-20 KW INSTALLATION:

Items Needed:

- Battery should be 12 volt, negative ground with top posts (sold separately). Minimum 525 CCA at 0° F (Group 26R)
- 40 Amp (8 kW) or 70 Amp (10-17 kW) double pole circuit breaker (must be compatible with your main distribution panel), (applicable only to pre-wired units).
- Grounding rod with grounding strap if required by code.
- Crushed stone or pea gravel (approximately 10-12 cubic feet)
- Black poly-film or other vegetation blocking fabric (5-1/2' x 5')
- · Silicone caulk
- Pipe sealant (suitable for gaseous fuel connections)
- Fasteners (to mount external connection box and automatic transfer switch with built-in load center)

See generac.com for our installation guidelines manual.

ATTENTION: This product requires installation involving permanent outdoor placement, electrical wiring, and fuel-source connections. To ensure proper installation, safety and adherence to all local building code specifications, Generac Power Systems, Inc. recommends installation assistance by a factory authorized installer or other licensed professional. (Costs associated with installation are separate and can vary significantly.)

CorePower® System 7 kW





The best value in residential standby power. Generac's 7 kW CorePower™ System is a complete generator and transfer switch system, priced more affordable than any other generator and transfer switch package on the market. It makes choosing an automatic generator over a portable the obvious choice to manage a power outage. The compact design is engineered for easy maintenance and serviceability, and is ideal when space is at a premium.

- Roof and sides are easily removed for full service access, no tools required
- · Digital controller with LED light status and fault indicators
- All weather composite enclosure, great for coastal areas
- · External main circuit breaker
- · Flexible fuel line connector
- · Natural gas or LP gas operation

What's Included:

50 Amp, 8 circuit priority load center with breakers (NEMA 1 indoor rated), composite mounting pad, installation guide.



13



8 / 10 / 14 / 17 kW

D / TU / T4 / T7 KVV Essential Circuits







Generac Guardian® Series pre-packaged, pre-wired systems make installation easy and affordable. These air-cooled standby generators supply electricity to pre-selected circuits that supply a home's essential items in the event of a utility power outage.

- Generac OHVI® Industrial Engine: Longest-life design and greatest starting power in its class. Two-year/200 hour oil change interval.
- Continuous Fuel: Models run on natural gas or liquid propane gas.
- True Power Technology: Clean, smooth operation of sensitive electronics.
- Steel Enclosure with Rhino Coat Finish: 8- 17 kW models.
- Pre-wired Transfer Switch and Wiring Kit
- Quiet-Test™: Weekly self-test feature that's quieter than other brands.
 (Applies to 17 kW only).



Pre-packaged Models Included: 100 Amp EZ Switch™ with load center (NEMA 1 indoor rated), available in 10, 12, 14 or 16 circuits, pre-wired external connection box, 30' and 2' pre-wired conduits, flexible fuel line connector, composite mounting pad, and installation guide.



Nexus™ Digital Controller:

- . Trilingual text LCD display is easy to read.
- View run-time and maintenance interval schedule.
- · Program the weekly exercise day and time.

10 / 14 / 17 / 20 kW









The Generac Guardian Series 10 kW, 14 kW, 17 kW and 20 kW models provide whole-house protection for many homes. It is the quietest and most powerful generator of its size on the market today.

- Generac OHVI® Industrial Engine: Longest-life design and greatest starting power in its class. Two-year/200 hour oil change interval.
- Continuous Fuel: Models run on natural gas or liquid propane gas.
- True Power: Clean, stable power for sensitive electronics. UL Listed.
- Quiet-Test™: Weekly self-test feature that's quieter than other brands. (Applies to 17 kW and 20 kW only).
- All-Weather Aluminum Enclosure: Standard. Ideal for salt air coastal communities. (Applies to 17 kW and 20 kW only).
- Fascia: Provides protection against debris and rodents.
- External GFCI Outlet: (Applies to 17 kW and 20 kW only).



What's Included: 200 Amp service rated Nexus Smart Switch™ with Digital Load Management (DLM) tecnology and the ability to manage two A/C units, composite mounting pad, base fascia, flexible fuel line connector, and installation guide.



Pre-packaged model	5837	5870	5871 / 6051*
Non pre-packaged models	N/A	5882	5883
Rated Power (LPG/NG)	7/6 kW	8/7 kW	10/9 kW
Voltage (Single Phase)	240V	240V	240V
Amps @ 240V LPG	29.2	33.3	41.6
Amps @ 240V NG	25	29.2	37.5
Engine/Alternator RPM	3600/3600	3600/3600	3600/3600
Engine	432cc Vertical	OHVI / 410cc	OHVI / 530cc
Fuel Consumption @ full load LPG cu. ft/hr (gal.hr)	47.6 (1.31)	62 (1.68)	70 (1.93)
Fuel Consumption @ full load NG cu. ft/hr (gal.hr)	146	139	156
Quiet-Test Mode	No	No	No
db(A) at exercise	67	62	63
db(A) at normal operating load	67	62	63
Automatic Transfer Switch	50 Amp	100 Amp	100 / 200 Amp
Circuits Included	8	10	12
Enclosure	Composite	Steel	Steel
Enclosure Color	Bisque	Bisque	Bisque
Warranty	2 Year Limited	3 Year Limited	3 Year Limited
Dimensions (L" x W" x H")	24 x 30 x 33	48 x 25 x 29	48 x 25 x 29
Generator Weight (lbs.)	250	340	387
CARB Compliant	Yes	Yes	Yes
Transfer Switch Weight (lbs.)	25	53.5	57

^{*} Pre-packaged with 200 Amp service rated Nexus Smart Switch

NEXUS™ CONTROLS:1

2-Line Plain Text LCD Display (8 – 20 kW Simple user interface f Engine Start Sequence Cycle cranking: 16 sec. on, 7 rest (90	' '
Engine Warm-up	,
Engine Cool-down	1 minute
Starter Lock-outStarter cannot re-engage until 5 sec. after	r engine has stopped
2.5 Amp Smart Charger	Standard
Automatic Voltage Regulation w/Overvoltage Protection	Standard
Automatic Low Oil Pressure Shutdown	Standard
Overspeed Shutdown	Standard, 72Hz
High Temperature Shutdown	Standard
Overcrank Protection	Standard
Safety Fuse	Standard

5872 / 6052*	5873	6053*	5875*
5884	5885	5886	5887
14/13 kW	17/16 kW	17/16 kW	20/18
240V	240V	240V	240V
58.3	70.8	70.8	83.3
54.2	66.6	66.6	75
3600/3600	3600/3600	3600/3600	3600/3600
OHVI / 992cc	OHVI / 992cc	OHVI / 992cc	OHVI / 999cc
84 (2.30)	94 (2.57)	94 (2.57)	106 (2.90)
220	261	261	294
No	Yes	Yes	Yes
66	60	60	60
66	66	66	66
100 / 200 Amp	100 Amp	100 / 200 Amp	200 Amp
14	16	NA	NA
Steel	Steel	Aluminum	Aluminum
Bisque	Bisque	Gray	Gray
3 Year Limited	3 Year Limited	3 Year Limited	3 Year Limited
48 x 25 x 29			
439	455	421	451
Yes	Yes	Yes	Yes
60.8	64	68	39

MODE SWITCH:

AUTO: Automatic start on utility failure / 7 days exerciser OFF: Stops unit. Power is removed. Control and charger still operate. MANUAL / TEST: Start with starter control, unit stays on. If utility fails, transfer to load takes place.

NOTE: **Battery sold separately**- Model 5819, Group 26R, 12V, 525 Cold Cranking amps. This product requires installation involving permanent outdoor placement, electrical wiring and fuel source connections. Natural gas pressure of 5"-7" of water column (0.18 to 0.25 psi) LP gas pressure of 10"-12" of water column (0.36 to 0.43) is required.



25, 30, 45, 60 kW

Guardian® Series



LIQUID-COOLED GENERATORS

The solid, reliable, automotive-style, liquid-cooled engine provides whole house power protection for larger homes, and small to medium size businesses such as convenience stores, restaurants and offices.

- The best liquid-cooled engine packs more power into a smaller footprint - ideal when space is a premium.
- Nexus Digital Controller™ with user-friendly LCD display and controls for programmable diagnostics and information at-a-glace.
- Quiet-Test™ mode for a weekly self-test that runs quieter than other brands. Patented, programmable feature ensures proper operation, uses less fuel and emits fewer emissions.
- Sturdy galvanneal steel enclosure with RhinoCoat[™] finish for superior protection against corrosion.
- . Continuous fuel choice of LP or natural gas.
- Hour Meter monitors run time, providing information to determine maintenance intervals.
- Neutral styling, color and small footprint fits unobtrusively into landscaping.
- . 60 kW not for sale in California & Massachusetts

22, 27, 36, 48 kW

QuietSource® Series



PREMIUM LIQUID-COOLED GENERATORS

Premium features are standard on the ultimate standby generator. Ideal for large residential and small to medium commercial applications.

- Powerful low-speed, liquid cooled engine is engineered to run at only 1800 rpm for a substantially quieter generator, consuming less fuel and giving both the engine and alternator a longer life.
- More power packed into a smaller footprint than comparable competitive units.
- Nexus Digital Controller™ with user-friendly LCD display and controls for programmable diagnostics and information at-a-glace.
- Quiet-Test™ mode for a weekly self-test that runs quieter than other brands. Patented, programmable feature ensures proper operation and uses less fuel and emits fewer emissions.
- Standard aluminum, all-weather enclosure provides the ultimate protection from the elements. Aluminum's corrosion resistance prolongs the life of your generator and is recommended for salt-air, coastal locations.
- . Continuous fuel choice of LP or natural gas.
- 36 kW not for sale in California & Massachusetts, 48 kW available with catalyst for sale in California & Massachusetts.

Guardian® Series

Model	QT02516ANSX	QT03016ANSX
Rated Power (LPG/NG)	25/25 kW	30/27 kW
Voltage (Single Phase)	240V	240V
Amps @ 240V LPG	104	125
Amps @ 240V NG	104	112.5
Engine/Alternator RPM	3600/3600	3600/3600
Engine	In-line 4-Cyl.	In-line 4-Cyl.
Fuel Consumption @ full load LPG cu. ft/hr (gal.hr)	155 (4.3)	187 (5.1)
Fuel Consumption @ full load NG cu. ft/hr	390	470
Quiet-Test Mode	Yes	Yes
db(A) at exercise	62	62
db(A) at normal operating load	72	72
Automatic Transfer Switch	Not Included	Not Included
Enclosure	Steel	Steel
Enclosure Color	Bisque	Bisque
Warranty	2 Year Limited	2 Year Limited
Dimensions (L" x W" x H")	62.2 x 29 x 33.5	62.2 x 29 x 33.5
Generator Weight (lbs.)	875	935
SCAQMD Model	•	•
	Rated Power (LPG/NG) Voltage (Single Phase) Amps @ 240V LPG Amps @ 240V NG Engine/Alternator RPM Engine Fuel Consumption @ full load LPG cu. ft/hr (gal.hr) Fuel Consumption @ full load NG cu. ft/hr Quiet-Test Mode db(A) at exercise db(A) at normal operating load Automatic Transfer Switch Enclosure Enclosure Enclosure Color Warranty Dimensions (L" x W" x H") Generator Weight (lbs.)	Rated Power (LPG/NG) 25/25 kW Voltage (Single Phase) 240V Amps @ 240V LPG 104 Amps @ 240V NG 104 Engine/Alternator RPM 3600/3600 Engine In-line 4-Cyl. Fuel Consumption @ full load LPG cu. ft/hr (gal.hr) 155 (4.3) Fuel Consumption @ full load NG cu. ft/hr 390 Quiet-Test Mode Yes db(A) at exercise 62 db(A) at normal operating load 72 Automatic Transfer Switch Not Included Enclosure Steel Enclosure Color Bisque Warranty 2 Year Limited Dimensions (L" x W" x H") 62.2 x 29 x 33.5 Generator Weight (lbs.) 875

	Model	QT02224ANAX	QT02724ANAX
	Rated Power (LPG/NG)	22/22 kW	27/25 kW
"	Voltage (Single Phase)	240V	240V
ies	Amps @ 240V LPG	92	112.5
e	Amps @ 240V NG	92	104
S	Engine/Alternator RPM	1800/1800	1800/1800
QuietSource®	Engine	In-line 4-Cyl.	In-line 4-Cyl.
2	Fuel Consumption LPG	125 (3.4)	143 (3.9)
10	Fuel Consumption NG	316	359
şt	Quiet-Test Mode	Yes	Yes
ij	db(A) at exercise	61	62
Ø	db(A) at normal operating load	70	75
	Automatic Transfer Switch	Not Included	Not Included
	Enclosure	Aluminum	Aluminum
	Enclosure Color	Gray	Gray
	Warranty	2 Year Limited	2 Year Limited
	Dimensions (L" x W" x H")	62.2 x 29 x 33.5	62.2 x 29 x 33.5
	Generator Weight (lbs.)	843	891
	SCAQMD Model	•	•

OTO 4FO 4ANOV	070450444100	OTOGOGIANOV	OTOGOO AN IOV
QT04524ANSX	QT04524ANSC	QT06024ANSX	QT06024AVSX
45/45 kW	45/45 kW	60/60 kW	60/60 kW
240V	240V	240V	240V
188	188	N/A	250
188	188	250	N/A
3600/3600	3600/3600	3600/3600	3600/3600
In-line 4-Cyl.	In-line 4-Cyl.	In-line 4-Cyl.	In-line 4-Cyl.
290 (8)	290 (8)	N/A	327 (9.0)
730	730	862	N/A
Yes	Yes	Yes	Yes
61	61	65	65
73	73	72	72
Not Included	Not Included	Not Included	Not Included
Steel	Steel	Steel	Steel
Bisque	Bisque	Bisque	Bisque
2 Year Limited	2 Year Limited	2 Year Limited	2 Year Limited
77 x 33.5 x 45			
1414	1414	1441	1324
	•		

QT03624ANAX	QT04842ANAX	QT04842ANAC
36/35 kW	48/46 kW	48/46 kW
240V	240V	240V
150	200	200
145.8	191.6	191.6
1800/1800	1800/1800	1800/1800
In-line 4-Cyl.	V-6	V-6
200 (5.5)	260 (7.20)	260 (7.20)
503	655	655
Yes	Yes	Yes
58	60	60
64	65	65
Not Included	Not Included	Not Included
Aluminum	Aluminum	Aluminum
Gray	Gray	Gray
2 Year Limited	2 Year Limited	2 Year Limited
77 x 33.5 x 45	77 x 33.5 x 45	77 x 33.5 x 45
1271	1360	1360
		•

AUTOMATIC STANDBY GENERATOR ACCESSORIES

ACCESSORIES



Scheduled Maintenance Kit: Ensure long life and top performace for your generator system.



Fascia: Continues the sleek, contoured appearance and offers additional protection from ground debris. Standard on 20 kW models.



Cold Weather Kit: Recommended for areas where the temperature drops below 32°F.

NEXUS™ WIRELESS REMOTE MONITORS

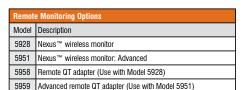
No need to go outside during inclement weather to check your generator's status. Completely wireless and battery powered, Generac's Nexus wireless remote monitor gives you instant status updates without ever leaving the house. Compatible with all units up to 150 kW. excluding CorePower.

Advanced

- . A/C powered with battery back-up
- · Includes cradle for desk or wall mounting
- · LCD display information includes generator faults and warnings

Basic

- · Small and compact
- Magnetic back for refrigerator mounting
- · Audible feature when attention is needed or battery is low



Miscellaneous			
5666	Grey Fascia for air-cooled units (8-17 kW)		
5839	Bisque Fascia for air-cooled units (8-17 kW)		
5819	26R Battery 8-60 kW (excluding 48 kW)		

Load Mai	nagement Options	
Model	Description	Contents
5621	Auxiliary transfer switch contact kit	Contact, screws, and washers
5937	Digital Load Management (DLM) Module	50 Amp contact NEMA 3R enclosure
Air-coole	d Cold Weather Kit	
5863-0	For air-cooled units with 990/999 engine mfg before 4/2010	Block heater
5864-0	For air-cooled units with 410/530 engine mfg before 4/2010	Block heater
5865-0	For CorePower 7kW air-cooled units mfg after 4/2010	Battery wrap with internal thermostat
5947-0	For air-cooled units with 990/999 engine mfg after 4/2010	Battery wrap with internal thermostat
005948-0	For air-cooled units with 410/530 engine mfg after 4/2010	Battery wrap with internal thermostat
Liquid-co	oled Cold Weather Kit	
5629	For 1.6L engines, 25 & 30 kW	28" Battery warmer w/oil filter
5630	For 2.4L engines, 22, 27, 36 & 60 kW	28" Battery warmer, zip ties, thermostat
5631	For 4.2L engines, 48 kW	44" Battery warmer, zip ties, thermostat

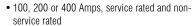
Air-co	Air-cooled Scheduled Maintenance Kit				
6003	CorePower, 7 kW, 432cc kit				
5662	8 kW, 410 cc kit				
5663	10 kW, 530 cc kit				
5664	12,13, 14,15, 16 kW, 17 & 18 kW, 760/990cc kit				
5665	20 kW, 999 cc kit				
Liquid	-cooled Scheduled Maintenance Kit				
5655	1.6L - 25& 30 kW				
5656	2.4L - 22, 27 & 45 kW				
5658	4.2L - 48 kW				

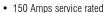
Liquid-cooled Extreme Cold Weather Kit					
Model	Description	Contents	Use With		
5615	For 1.6L engines; 25, 30 kW	Block heater & associated mounting hardware	5629		
5616	For 2.4L engines; 22, 27, 36, 60 kW	Block heater & associated mounting hardware	5630		
5618	For 4.2L engines; 48 kW	Block heater & associated mounting hardware	5631		



NEXUS SMART SWITCH™

Engineered with Generac's Digital Load Management™ (DLM) technology, the Nexus Smart Switch is the smartest transfer switch on the market. It has the ability to manage two air conditioners without adding additional components or cost. Gain flexibility by adding individual DLM modules and manage up to four additional large loads.









GENERAC

Nexus Smart Switch™ and DLM™ Module

NEXUS™ LTS LOAD SHED SWITCH

With a built-in 16 circuit load center, the Nexus LTS is the answer when more than six large loads need to be managed.

- · 200 Amp, service rated
- Aluminum NEMA 3R outdoor-rated enclosure



Nexus ™LTS Switch



CSA models RTS-D, J



CSA models RTS-D. J



RTS-X models RTS-N models

Use service rated (D, J, CSA models) with service disconnect for quick & easy installations.

Use non-service rated (X, N models) for custom installations or with installs that require a subpanel.

RTS SWITCHES

The only CSA approved service rated transfer switches available in the industry. Can be installed outdoors in applications where there is no garage or basement.

- 100 and 200 Amp
- NEMA 3R aluminum enclosure for outdoor applications, reduces weight and provides additional corrosion protection



RTS Series

No. 10	. 10 211		
	art Switches		
Amps	Model	240V, 2-pole, 1ø / Description	Rating
100	RTSX100A3	Load management transfer switch	NEMA 3R
100	RTSD100A3	Load management transfer switch with service disconnect	NEMA 3R
150	RTSD150A3	Load management transfer switch with service disconnect	NEMA 3R
200	RTSX200A3	Load management transfer switch	NEMA 3R
200	RTSD200A3	Load management transfer switch with service disconnect	NEMA 3R
200	RTSJ200A3	Load shedding with service disconnect	NEMA 3R
400	RTSX400A3	Load management transfer switch	NEMA 3R
400	RTSD400A3	Load management transfer switch with service disconnect	NEMA 3R
RTS Swi	ches		
100	RTSE100A3CSA	CSA approved service rated	NEMA 3R
200	RTSE200A3CSA	CSA approved service rated	NEMA 3R



IX SERIES: 800 - 2000 WATTS

Inverter technology takes the raw power produced by the generator and passes it through a special electronic microprocessor to provide clean and stable power, safe for computers and other sensitive electronic devices

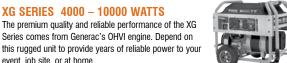


- FlexPower[™] varies the engine speed to save fuel and reduce noise
- Electronic overload protection circuit breaker protected outlets
- 12 Volt battery charging capability (excluding 800 Watts)
- · LED lights indicate unit status at-a-glance
- . Low-oil shutdown

GP SFRIFS 1800 - 17500 WATTS

With a range of power options, the GP Series has an affordable, reliable portable generator for your application.

- Large steel fuel tank with easy-to-read fuel gauge
- Covered outlets provide added protection from the environment
- Hardened steel tube cradle for added durability and strength
- Low-oil shutdown to prevent potential engine damage



Series comes from Generac's OHVI engine. Depend on this rugged unit to provide years of reliable power to your event, job site, or at home.

- · Illuminated control panel for improved visibility
- . PowerBar™ displays available power
- Covered outlets for more protection from the environment
- GFCI circuit breaker for added protection
- · Engine controls conveniently located on outlet panel

XP SERIES 4000 – 10000 WATTS

The undisputed workhorse of the portable market, professional grade XP portable generators are engineered specifically with contractors and construction sites in mind.

- . Generac OHVI® engine on all models
- True Power[™] technology for utility quality electrical output
- · Full panel GFCI protection for OSHA job sites
- · Integrated lifting eye for easy transport and security
- · Idle control to conserve fuel and reduce noise
- 120/240V selector switch for full 120V power (4 6.5 kW only)
- · Easy access maintenance points



iX Series	iX800	iX1400	iX1600	iX2000
49-State / cETL Model	5791	NA	5792	5793
49-State / CARB Model	5791	5842	NA	NA
Running Watts	800	1400	1600	2000
Starting Watts	850	1450	1650	2200
Engine Size & Type	38cc 4-stroke OHV	79.9cc 4-stroke OHV	99cc 4-stroke OHV	126cc 4-stroke OHV
Starting Method	Manual	Manual	Manual	Manual
Low Oil Shutdown	Yes	Yes	Yes	Yes
Fuel Tank	0.5 Gal.	0.73	0.8 Gal.	1.0 Gal.
Run Time at 50% Load	3.6 Hours	5.0	4.9 Hours	4.7 Hours
DC Charging Cables	NA	Yes	Yes	Yes
Dimensions (L" x W" x H")	18 x 10 x 15	21 x 11 x 18	21 x 11 x 18	22 x 12 x 18
Product Weight (Lbs.)	29	46	43.5	49.6
Warranty - Residential	2 Year Ltd	2 Year Ltd	2 Year Ltd	2 Year Ltd
Warranty - Commercial	6 Months Ltd.	6 Months Ltd.	6 Months Ltd.	6 Months Ltd.

XP Series	XP4000	XP6500E	XP8000E	XP10000E
49-State / CSA Model	5929	5930	5931	5932
CARB Model	5933	5934	5935	N/A
Running Watts	3600	6500	8000	10000
Starting Watts	4500	8125	10000	12000
Engine Size & Type	220cc Generac OHVI	410cc Generac OHVI	410cc Generac OHVI	530cc Generac OHVI
Starting Method	Manual	Electric/Manual	Electric/Manual	Electric
Battery Included	NA	Yes	Yes	Yes
Low Oil Shutdown	Yes	Yes	Yes	Yes
Fuel Tank	Steel, 4.7 Gal.	Steel, 9.0 Gal.	Steel, 9.0 Gal.	Steel, 9.2 Gal.
Run Time at 50% Load	9.5 Hours	11 Hours	10 Hours	9 Hours
GFCI Protected Outlets	(4) 5-20R 120V (1) L5-30R 120V Twist-Lock (1) L14-30R 120/240V Twist-Lock	(4) 5-20R 120V (1) L5-30R 120V Twist-Lock (1) L14-30R 120/240V Twist-Lock	(4) 5-20R 120V (1) L5-30R 120V Twist-Lock (1) L14-30R 120/240V Twist-Lock	(4) 5-20R 120V (1) L5-30R 120V Twist-Lock (1) L14-30R 120/240V Twist-Lock (1) 14-50R 120/240V
Dimensions (L" x W" x H")	30.5 x 18.5 x 23.5	34.5 x 29 x 27.5	34.5 x 29 x 27.5	34.5 x 29 x 34
Product Weight (Lbs.)	139	241	251	281
Warranty - Residential	3 Year Ltd.	3 Year Ltd.	3 Year Ltd.	3 Year Ltd.
Warranty - Commercial	3 Year Ltd.	3 Year Ltd.	3 Year Ltd.	3 Year Ltd.



GP Series	GP1800	GP3250	GP5000	GP5500	GP6500
49- State Model	5981	5982	5938	5939	5940
CSA/CARB Model	5981	5982 / 5983	5974 / 5944	5975 / 5945	5976 / 5946
Running Watts	1800	3250	5000	5500	6500
Starting Watts	2050	3750	6250	6875	8000
Engine	168cc	208cc	389cc	389cc	389cc
Engine Type	OHV	OHV	OHV	OHV	OHV
Starting Method	Manual	Manual	Manual	Manual	Manual
Battery	NA	NA	NA	NA	NA
Low Oil Shutdown	Yes	Yes	Yes	Yes	Yes
Fuel Tank	Steel, 3.5 Gal.	Steel, 3.5 Gal.	Steel, 7.2 Gal.	Steel, 7.2 Gal.	Steel, 7.2 Gal.
Run Time at 50% Load	10.5 Hours	9.7 Hours	10 Hours	10 Hours	10 Hours
Hour Meter	No	No	Yes	Yes	Yes
Outlets	(2) 5-20R 120V (15 Amp)	(2) 5-20R 120V (14 Amp) (1) L14-20R (14 Amp) Twist-Lock 120/240V	(4) 5-20R 120V (1) L14-30R Twist-Lock 120/240V	(4) 5-20R 120V (1) L14-30R Twist-Lock 120/240V	(4) 5-20R 120V (1) L14-30R Twist-Lock 120/240V
Covered Outlets	No	No	Yes	Yes	Yes
Handle Style	NA	Folding	Folding/ Locking	Folding/ Locking	Folding/ Locking
Wheel type	N/A	8" Solid Wheels	9.5" Solid Wheels	9.5" Solid Wheels	9.5" Solid Wheels
Dimensions (L" x W" x H")	23.5 x 18 x 18	23 x 22.5 x 21	28.75 x 26.75 x 25	28.75 x 26.75 x 25	28.75 x 26.75 x 25
Product Weight lbs.	86	115	178	180	184
Warranty Residential	2 Year Ltd.	2 Year Ltd.	2 Year Ltd.	2 Year Ltd.	2 Year Ltd.
Warranty Commercial	1 Year	1 Year	1 Year	1 Year	1 Year

GP6500E	GP7500	GP7500E	GP15000E	GP17500E
5941	5942	5943	5734	5735
NA	5977 / NA	5978 / NA	NA	NA
6500	7500	7500	15000	17500
8000	9375	9375	22500	26250
389cc	420cc	420cc	990cc	990cc
OHV	OHV	OHV	Generac OHVI	Generac OHVI
Electric/Manual	Manual	Electric/Manual	Electric	Electric
Included	NA	Included	Included	Included
Yes	Yes	Yes	Yes	Yes
Steel, 7.2 Gal.	Steel, 8 Gal.	Steel, 8 Gal.	Resin, 16 Gal.	Resin, 16 Gal.
10 Hours	12 Hours	12 Hours	10 Hours	10 Hours
Yes	Yes	Yes	Yes	Yes
(4) 5-20R 120V (1) L14-30R Twist-Lock 120/240V	(4) 5-20R 120V (1) L14-30R Twist-Lock 120/240V	(4) 5-20R 120V (1) L14-30R Twist-Lock 120/240V	(2) 5-20R 120V (2) 5-20R GFCI (2) L5-30R 120V Twist-Lock (1) L14-30R 120/240V Twist-Lock (1) 14X50R 120/240V (1) 12VDC,10 Amp	(2) 5-20R 120V (2) 5-20R GFCI (2) L5-30R 120V Twist-Lock (1) L14-30R 120/240V Twist-Lock (1) 14X50R 120/240V (1) 12VDC,10 Amp
Yes	Yes	Yes	Yes	Yes
Folding/ Locking	Folding/ Locking	Folding/ Locking	Fixed	Fixed
9.5" Solid Wheels	9.5" Solid Wheels	9.5" Solid Wheels	12.3" Pneumatic Wheels	12.3" Pneumatic Wheels
28.75 x 26.75 x 25	28.75 x 26.75 x 26	28.75 x 26.75 x 26	48.5 x 31 x 39.5	48.5 x 31 x 39.5
195	190	201	363	390
2 Year Ltd.	2 Year Ltd.	2 Year Ltd.	2 Year Ltd.	2 Year Ltd.
1 Year	1 Year	1 Year	1 Year	1 Year



XG Series	XG4000	XG6500	XG7000
49-State Model	5778	5796	5797
CSA / CARB Model	5843 / 5844	NA	NA
Running Watts	3600	6500	7000
Starting Watts	4500	8125	8750
Engine Displacement	220cc	410cc	410cc
Engine Type	OHVI	OHVI	OHVI
Pressure Lube with Filter	Yes	Yes	Yes
Starting Method	Manual	Manual	Manual
Battery Included	NA	NA	NA
Low Oil Pressure Shutdown	Yes	Yes	Yes
Fuel Tank	Steel, 4.5 Gal	Steel, 9 Gal.	Steel, 9 Gal.
Run Time at 50% Load	13 Hours	13 Hours	12 Hours
PowerBar™ Wattage Utilization Meter	Yes	Yes	Yes
Control Panel LED Lights	Yes	Yes	Yes
Hour Meter with Maintenance Reset	Yes	Yes	Yes
Covered Outlets	Yes	Yes	Yes
Outlets	(4) 5-20R GFCI 120V (1) L14-20R 120/240V Twist-Lock	(4) 5-20R GFCI 120V (1) L14-30R 120/240V Twist-Lock	(4) 5-20R GFCI 120V (1) L14-30R 120/240V Twist-Lock
Handle Style	Folding/Locking	Folding/Locking	Folding/Locking
Wheel Type	9.5" Semi-Solid	9.5" Semi-Solid	9.5" Semi-Solid
Dimensions (L" x W" X H")	27.5 x 22 x 24.5	31.5 x 25.5 x 28	31.5 x 25.5 x 28
Product Weight (Lbs.)	140	225	235
Warranty Residential	2 Year Ltd	2 Year Ltd	2 Year Ltd
Warranty Commercial	1 Year Ltd.	1 Year Ltd.	1 Year Ltd.

XG7000E	XG8000	XG8000E	XG10000E
5798	5800	5747	5802
5845 / NA	NA	5847 / 5846	NA
7000	8000	8000	10000
8750	10000	10000	12500
410cc	410cc	410cc	530cc
OHVI	OHVI	OHVI	OHVI
Yes	Yes	Yes	Yes
Electric/Manual	Manual	Electric/Manual	Electric
Yes	NA	Yes	Yes
Yes	Yes	Yes	Yes
Steel, 9 Gal.	Steel, 9 Gal.	Steel, 9 Gal.	Steel, 10 Gal.
12 Hours	10 Hours	10 Hours	10 Hours
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
(4) 5-20R GFCI 120V (1) L14-30R 120/240V Twist- Lock	(4) 5-20R GFCI 120V (1) L14-30R 120/240V Twist- Lock	(4) 5-20R GFCI 120V (1) L14-30R 120/240V Twist-Lock	(4) 5-20R GFCI 120 (1) L14-30R 120/240V Twist-Loc (1) L5-30R 120V Twist-Lock (1) 14-50R 120/240
Folding/Locking	Folding/Locking	Folding/Locking	Folding/Locking
9.5" Semi-Solid	9.5" Semi-Solid	9.5" Semi-Solid	10" Semi-Solid
31.5 x 25.5 x 28	31.5 x 25.5 x 28	31.5 x 25.5 x 28	32 x 29.5 x 31
245	245	250	300
2 Year Ltd	2 Year Ltd	2 Year Ltd	2 Year Ltd
1 Year Ltd.	1 Year Ltd.	1 Year Ltd.	1 Year Ltd.



Who is Generac?

Since 1959, Generac has been designing and manufacturing backup power generators for residential, commercial and industrial applications. We have grown to be the world's largest provider of residential standby generators, selling seven times as many generators as all of our competitors combined. Generac's broad product line ranges in output from 800 watts to 9 megawatts, and are available through the industry's largest network of independent generator dealers, retailers and wholesalers. Generac is a proud supporter of the Home Safety Council and its products have earned the Good Housekeeping Seal. For more information on Generac and its extensive line of backup power products, visit www.genrerac.com.

What is an automatic standby generator?

An automatic standby generator is a back up electrical system that operates whether you are home or away. Within seconds of an outage, it automatically supplies power directly to the home's electrical circuit breaker box. After utility power returns, the generator shuts itself off and waits for the next outage. It operates on natural gas or liquid propane gas and sits outside just like a central air conditioning unit.

Why should consumers buy an automatic standby generator instead of a portable generator?

During a utility power outage, an automatic standby generator provides numerous advantages over a portable generator:

- The American Red Cross recommends permanently installed standby generators as a safer way to provide backup power to a home than a portable generator.
- With an automatic standby generator properly installed outside, your home is protected from deadly carbon monoxide poisoning that is a much greater risk with portable generators.
- Running on the home's natural gas or LP fuel supply, it is less expensive to run than gasoline and does not need to be refilled.
- They start automatically within seconds of a power outage, and eliminate the need to haul a portable generator outside or run extension cords throughout your home.
- They provide protection 24/7, whether you're home or away, and they turn themselves off when utility power returns, so there is no need to monitor the unit during an outage.

What is the difference between an automatic air-cooled generator and an automatic liquid-cooled generator?

The engines! Air-cooled generators come with engines that use fans to force air across the engine for cooling, while liquid-cooled generators use enclosed radiator systems for cooling, similar to an automobile. Generally, liquid-cooled engines are used on larger kW generators due to the larger engines required for the higher power output.

How does the Generac OHVI® engine compare to air cooled engines used in other brands of standby generators?

Unlike many engines, Generac OHVI engines are made specifically for generators. They are engineered to run for the long periods of time required during a severe power outage or on a job site, utilizing the same type of pressurized oil lubrication used to give automobile engines long and troublefree lives. Generac OHVI engines have a significantly longer life than many competitive engines, making them the best investment on the market.

What's the advantage of an aluminum enclosure?

In addition to its sturdy galvanneal steel enclosure with RhinoCoat™, Generac is one of the few companies to offer premium aluminum enclosures for its residential standby generators. Aluminum enclosures are naturally rust and corrosion resistant. For salt air or high humidity conditions, aluminum is highly recommended to ensure decades of worry free service.

Can an automatic standby generator replace utility service?

No...the generator fuel costs would be much more expensive than buying power from the utility company since their cost to produce electricity is divided among thousands of customers.



How do I help customers correctly size a generator for their home?

The most logical way to determine their needs is to have them envision their home without power! Some outages may be short in duration, while others could last for days or weeks. What would they like their living conditions to be? Generac takes the guesswork out of sizing by supplying the Guardian Series air-cooled generators with predetermined numbers of circuits based on the generator's kW power rating. For example, 10 circuits are supplied for the 8 kW generator and as many as 16 circuits are supplied for the 17 kW generator. Each circuit is directly connected to a matched circuit on the home's main circuit breaker panel, providing electricity to that specific appliance or area of the home. In a typical installation with an 8 kW, 10 circuit generator, you could connect (1) lights and TV in the family room, (2) microwave and lights in the kitchen, (3) refrigerator. (4) power to the bathroom. (5) computer and home office. (6) garage door opener, (7) air conditioner, and (8) furnace. Generac also offers generators and transfer switches that can power the entire circuit breaker panel box... for these situations, we recommend consulting with an authorized Generac dealer or a qualified electrician.

Can customers install the generator by themselves?

Generac Guardian Series air cooled generator systems are prepackaged, and pre-wired and come with comprehensive installation instructions. Customers could perform the simpler site preparation steps and have a professional make the electrical panel and fuel connections, or they could complete the entire installation themselves. However, for safety reasons and to ensure adherence to all local, state and national electrical codes, particularly for non pre-wired or larger systems, Generac recommends use of an authorized Generac dealer or licensed contractor.

Do they have to be maintained?

Yes, simple maintenance is required. 8 - 20 kW Generac Guardian Series standby generators are powered by Generac's Overhead Valve Industrial (OHVI) engine. These engines were designed specifically for running long hours in harsh conditions and have maintenance intervals that are twice as long as leading competitors'. All generators require periodic oil and filter changes to ensure maximum performance for years of reliable service. Preventative maintenance kits are available and many Generac dealers offer annual maintenance contracts for a worry-free ownership experience. Refer to the owner's manual for routine maintenance procedures and schedules.

What type of oil should be used?

An SAE rated high detergent oil that meets API Service Class SF requirements for gasoline engines, similar to your car. Refer to their owner's manual for details.

What happens if the generator gets overloaded?

Generac generators are equipped with overload protection. In the rare event of an overload, the generator's circuit breaker will trip, disconnecting the unit from the load. Simply correct the overload and reset the breaker in the generator.

A customer no longer has his or her Owner's Manual, how can I get another copy?

Owner's manuals and other technical / repair information can be downloaded from generac.com or by calling 1-888-GENERAC.

If customers experience a problem with their generator where do they go for service help?

To find an authorized Generac Service Center for parts or service, refer to the Dealer Locator at generac.com or call the Automated Dealer Locator at 1-888-GENERAC.

For additional information visit generac.com.

For store support call (866) 202-9786. Available Monday - Friday, 8 a.m. - 5 p.m. CST.

For consumer support call 888-GENERAC (888-436-3722).



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