

# Light Commercial Generators



A SOUND BUSINESS DECISION

**GENERAC**<sup>®</sup>





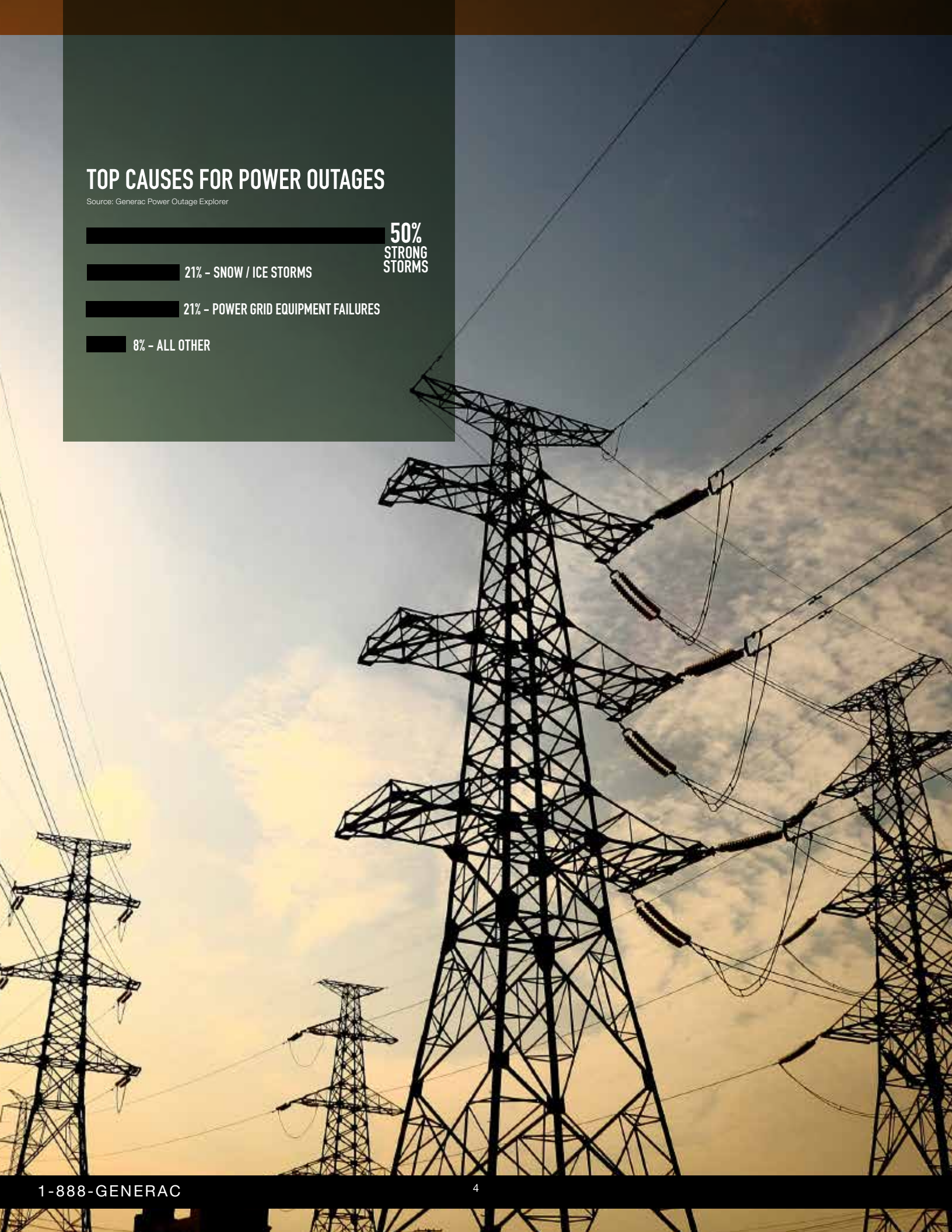
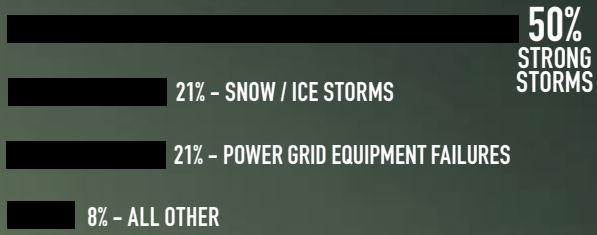
Yes we're **open.**

- Restaurant
- Gas station
- Supermarket
- Drug store
- Hotel
- Office building
- Pharmacy retail store
- Schools
- Television & Radio stations
- Warehouse
- Medical clinic
- Assisted living complex
- Fire and Police stations

**GENERAC**<sup>®</sup>

# TOP CAUSES FOR POWER OUTAGES

Source: Generac Power Outage Explorer



# No power. No customers. **No revenue.**

Every year, more than two million U.S. businesses experience a power outage lasting eight hours or more. Because this statistic is so powerful, it pays to understand how much a power outage will cost your business.

The U.S. Department of Energy estimates that on average, power outages cost \$80 billion per year, and that 98 percent of those losses come from the business sector.

Financially speaking, power outages can cause substantial losses for the company affected. For example, according to the US Department of Energy, when a power failure disrupts IT systems...

- 33% of companies lose \$20,000–\$500,000
- 20% lose \$500,000 to \$2 million
- 15% lose more than \$2 million

## A STANDBY GENERATOR OFTEN PAYS FOR ITSELF IN ONE OUTAGE

Business	Lost sales per hour*	Typical kW	Approx. generator cost installed	Payback hours
Convenience store/gas station	\$556	50	\$26,828	48
High-volume restaurant	\$881	150	\$37,000	42
Pharmacy	\$1,750	150	\$37,000	21
Supermarket	\$4388	300	\$80,779	18

\* Does not include the costs of damage or inventory losses.



## Are you at risk?

Lost revenue is only part of the story. Consider direct costs, intangible losses and how essential your products and services are during a power outage.

- Security systems become disabled, increasing the risk of theft
- Refrigerated goods spoil
- Employees are idled
- Interrupting manufacturing processes can cause long-term damage to equipment and product
- Computer systems go down and vital data is lost



## Keep the lights on and the doors



Many businesses have a lot to offer customers during power outages. In addition to making revenue loss less likely, keeping the doors open can provide important customer benefits.

**Convenience store / Gas station** — Power lights, cash register, security system, refrigeration and fuel pumps to serve emergency workers, motorists evacuating the area and local clean-up efforts.

**High-volume restaurant** — Power lights, cash register, refrigeration, a full kitchen and remain open during an outage, serving people who need to eat out during the power failure.

**Office environment** — Power lights, computers, telephone and elevators. Keep sales coming in and customer service available.

**Pharmacy** — Power lights, refrigeration, computers/data systems, security system, cash register, and telephone to ensure customers can get medication and medical supplies during an emergency.



## Generac. A sound business decision.

All the conveniences of modern living—heat, central air, refrigeration, communication—are nothing without power. When the power supply is disrupted, our lives and businesses can come to a sudden halt. An automatic standby generator protects you from power failures, restoring power within seconds of an outage, so you can have peace of mind and the power you need.

### Raising the Bar for Diesel Generators

Generac's new Protector™ Series diesel generators raise the bar for residential and light commercial diesel generators. Building and zoning codes can vary wildly from one region to another. In the past, the only answer was to order expensive, custom-configured solutions.

Until now. Generac's diesel-powered Protector Series features Code Ready, a set of popular preconfigured options and a range of code-driven accessories, so you can feel confident that your generator will be able to conform to the required local codes. The Protector Series is versatile, adaptable, meets UL requirements, and is an affordable optional standby diesel generator for your backup power needs.

A great option for areas where natural gas or propane aren't always available.



### Protector Series Diesel – 15, 20, 30, 48/50 kW

Generac's Protector Series diesel units raise the bar for residential and light commercial diesel generators. Building and zoning codes can vary greatly from one region to another. In the past, the only answer was to order expensive, custom-configured solutions. Until now.

To address the variances in code, Generac's diesel-powered Protector Series is the only automatic standby generator to feature Code Ready, a set of common options that are preconfigured to ensure that the generator will be adaptable to a variety of municipal codes. A wide range of code-driven accessories are available to address any further code conformance requirements.

- External vent and fill
- UL 142 / ULC SG01-listed, double-walled base tank
- UL/CUL 2200-listed generator
- Aluminum, weather-resistant enclosures



### Protector Series – Gaseous 25, 30, 36, 45 and 60 kW

The higher kW nodes of Generac's Protector Series are ideal for larger homes and small-to-medium-size businesses such as convenience stores, restaurants and offices.

- Continuous fuel choices in LP and natural gas offer cleaner-burning fuel solutions than traditional diesel engines
- True Power Technology delivers best-in-class power quality with less than 5% total harmonic distortion for clean, smooth operation of sensitive electronics and appliances



### Protector Series QuietSource (QS) – Gaseous 22, 27, 38 and 48 kW

Premium features are standard on the ultimate residential standby generator. For homeowners with larger residences, these units are powered by a low-speed engine for extra-quiet operation and come standard with an aluminum enclosure. QuietSource generators also include all the features of the Protector Series 25-60 kW.

- The 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 the alternator a longer life
- Ideal for homes requiring higher kW backup for amenities such as additional living areas, garages, and air conditioners, pools, greenhouses, guest homes, mother-in-law suites, medical needs and more



#### Ideal Industries/Applications:

GROCERY STORES & GAS STATIONS  
SMALL OUT PATIENT CLINICS  
SCHOOL OFFICE & DISTRICT BUILDINGS  
BANKS & FINANCIAL INSTITUTIONS  
MANUFACTURING INDUSTRIES & DISTRIBUTORS  
FARMS

RESTAURANTS & BARS  
GARAGES & AIR CONDITIONERS  
GUEST HOMES  
GREEN HOUSES  
GENERAL CONTRACTOR FACILITIES

# Tough. Reliable. Purpose-Built.

Generators are often required to run for hours, days or even weeks at a time. Continuous use can cause a lot of strain on engines not specifically engineered to withstand extended run times. We have developed robust engine solutions to ensure our generators provide the reliability necessary to power through even the most demanding situations.



## Quiet Operation

Our patented Quiet-Test mode allows your generator to run weekly self-tests at a lower rpm, is quieter, and consumes less fuel.



## Intelligent and Affordable

DPM™ Technology intelligently manages household loads for a more affordable standby solution.



## Remote Monitoring

Mobile Link™ compatible, for wireless remote monitoring of your generator via your computer, tablet or smartphone.



## Evolution™ Controller

The next generation of intuitive controllers featuring a multilingual, two-line LCD text display with color-coded, backlit buttons. (diesel only)





## Durable, Tough Enclosures

### PowerArmor TECHNOLOGY

Sturdy, all-weather enclosures made from corrosion-resistant aluminum modeled to withstand winds up to 150 mph, and with a fire rating, 3rd-party-certified to NFPA standards, that allows for installations as close as 18" to the home or structure.



### TruePower™ Technology

Delivers best-in-class power quality with less than 5% total harmonic distortion for clean, smooth operation of sensitive electronics and appliances.



### OHVI® Engine

Purpose-built for the rigors of generator use, and requires significantly fewer scheduled maintenance checkups than competitive engines.  
(22- 60 kW only)



### 5-Year Limited Warranty

Generac provides a 5-Year Limited Warranty for automatic standby generators.



### 24/7 • 365 Customer Support Team

They're standing by all day, every day from our headquarters in Wisconsin to answer any questions you might have.





# Transfer switches

Because Generac understands the transfer switch is the core of the generator system, we offer more options than any other manufacturer to ensure coverage requirements are met. All switches are UL listed.

## Power Just the Basics



Some homeowners prefer a simple, economical approach. Essential coverage protects only your most important circuits — such as lights, furnace, water heater, refrigerator/freezer and sump pump.

Finding the generator that's right for you depends on your needs and your budget — not just your square footage. Generac offers the broadest line of home standby generators in the industry. So we can help you find the perfect match to protect your home.

### **Pre-wired, Limited Circuit Switches**

Generac's Pre-Wired Switch is an automatic transfer switch and distributed load center that backs up selected circuits for essential circuit coverage. Pre-wired for the easiest and least expensive installation on the market, they are an excellent value when whole house coverage is unnecessary.

### **GenReady**

Generac's 200 amp GenReady Panel serves as a replacement to your home's main panel, as well as the transfer switch needed for automatic operation. This solution features a 40-circuit capacity when tandem breakers are properly utilized. Ideal for new home construction, or electrical service upgrades, this switch is a space saver, and can be used with systems up to 30kW in size.

### **100 Amp, NEMA 3R, 16 Circuit Switch**

Generac's limited circuit automatic transfer switches are a great option for homes where the electrical panel is located outside. These switches are compatible with breakers manufactured by Eaton, Siemens or Squared D; with the use of tandem breakers, these switches can be expanded to 24 circuits.

### **100-800 Amp, Non-service Rated, NEMA 3R Switches**

If your personal application and backup power needs require a custom-built sub panel, Generac's non-service rated automatic transfer switches provide an option for both indoor and outdoor installation. When a limited circuit switch, and/or the combination of breakers on an alternative switch are insufficient, utilize these models.

## Power Where You Need it



Whole-house coverage may not fit every budget. With a power management system, your generator can work smarter. It protects all your home's circuits by cycling power on and off as needed for different appliances. And you decide what gets priority.

A Generac power management system protects all the circuits in your home — without the higher cost of whole-house coverage.

Chances are you won't need to turn on every appliance at the same time during an outage. (Most people don't.) Generac power management systems monitor power needs throughout your house — automatically cycling power on and off where it's needed.

The way it works is simple. You decide which circuits are most essential to your home. Whenever the generator approaches its power limit, the system turns off non-essential circuits to prevent an overload. Once essential circuits are satisfied, it cycles non-essential circuits back on.

## Power it All, All The Time



Most homeowners want the peace of mind that comes with whole-house coverage. Whenever there's an outage, you don't have to worry — because the power stays on at all times throughout your entire home.

A Generac whole-house power system backs up every electrical circuit in your home whenever the power goes out.

There's no waiting for an appliance to take its turn being powered — everything comes on and stays on. So you don't have to decide which circuits are most important. They'll all be available, automatically, around the clock.

The full line of Generac whole-house power systems includes larger generators and transfer switches capable of covering every circuit in any size home. It's a comprehensive approach for complete peace of mind.

### 100-400 Amp Service-Rated

Generac's service rated automatic transfer switches offer whole-house coverage for your back-up power needs. Featuring a NEMA 3R enclosure, these particular switches can be installed either indoors or outdoors.

### 100-800 Amp Non-Service Rated

Generac's non-service rated automatic transfer switches enable full-circuit coverage, when an additional main disconnect is properly installed in the field. Featuring a NEMA 3R enclosure, these particular switches can be installed either indoors or outdoors.

### 100-200 Amp CSA Service-Rated

CSA models are approved for use in Canada. Featuring a NEMA 3R enclosure, these particular switches can be installed either indoors or outdoors.

### 100-200 Amp GenReady™ Whole House Service Equipment Rated Transfer Switch

This panel integrates a main breaker, transfer switch, and load center. Comes in 24 space, 40 Circuit and 42 space, 60 Circuit options.

### 200 Amp Service Rated with Integrated Load Center

The 200 amp open transition switch is a single phase service entrance rated configuration with 8 Circuit Load Center.

## Smart Management Module

Meet the brains that make smart power possible. These modules are essential to a Generac power management system. They work with your transfer switch, monitoring each selected circuit and automatically supplying power where it's needed so you can get the most from your generator.



A Generac power management system can use up to eight individual Smart Management Modules, depending on your needs. Just as important, you can set the load priority for each — putting you in control of which circuits matter most.



# Controllers

Digital controls bring increased functionality to the generator system and oversee the transfer switch and its operation. Easily tracks functions, including oil pressure, coolant levels and voltage. Generac designs its own digital controls for superior reliability and system integration.

Generac has incorporated a sealed connection point philosophy resulting in durability and long-life protection:

- No corrosion
- No vibration
- No moisture
- No EMI & RFI
- No dust
- No static discharge

## Digital Controllers

Expanded features have created a controller for liquid-cooled models with an improved user interface for easier monitoring and management of the generator functions. Now includes many features and alarms previously available only on larger models.

Features	Benefit
LCD display and keypad	Improved user interface. Provides accurate, real time readings to both owner and service contractor.
Wireless ready	Provides expandable interface capabilities consistent with trends in future communication capabilities.
Time & date	Assures speed and accuracy in maintaining key aspects of user interface such as scheduled maintenance and exercise cycles.
Alarm log	Provides accurate means of tracking both scheduled and unscheduled run time events that could effect maintenance, service and product life.
Run log	Maintains readings of run time in exercise cycles and use related to outages for improved accuracy in scheduling maintenance and determining product life.
Set exercise via display	Simple, easy-to-use control set-up provides the owner the option of at will setting/ changing exercise rather than total reliance of Service Contractor.
Engine hours display	Provides accurate run times to help assure proper maintenance intervals are maintained.
RPM and frequency displays	Hastens service diagnosis and provides immediate operation data at installation.
Hours under load	Provides insight into the consistency/quality of grid power input essential for adjusting maintenance intervals to actual hours rather than a time period.
Low fuel pressure	Helps to assure correct installation of fuel source at start-up
Dry contacts	A dry set of contacts allow for additional alert capability during shutdowns

# Accessories

Generac offers more accessory options than any other generator manufacturer to ensure coverage requirements are met.

## Mobile Link™ Remote Monitoring *(Sold Separately)*

This affordable remote monitoring system gives customers peace of mind by allowing them to know the status of their generator anywhere, anytime, using their computer, tablet or smart phone.

### Generator Status Updates

Mobile Link provides you with notifications on the status of your home standby generator. Link multiple email addresses and phone numbers to receive email and text message alerts or push notifications if you're using the Mobile Link app. You can even have information sent directly to your authorized service provider so they can proactively offer professional support.

- View current generator status and status of scheduled self-test
- Receive system notifications regarding needed maintenance, including battery status or any faulty conditions, by email, text or push notifications
- Local weather updates
- Compatible air-cooled standby generators with an LCD display or generators equipped with a Nexus or an Evolution controller, as well as PowerPact, Synergy and Protector Series
- Free mobile app for iOS® and Android™ devices available on iTunes® App Store, GooglePlay™, and Amazon AppStore

Log onto [MobileLinkGen.com](http://MobileLinkGen.com) to learn more.

\*Mobile Link LC adapter required for 15 Kw to 150 kW.







### Remote Monitor

No need to go outside during inclement weather to check your generator's status. Completely wireless and battery powered, Generac's Wireless Monitor provides you with instant status information without ever leaving the house. Basic features include:

- Red, yellow and green status indicator lights with buzzer function to alert owners when the generator needs attention
  - Audible alert when battery is low
  - Compact sleek design and magnetic backed for refrigerator mounting
  - 600-foot line of sight communication
- \*Remote monitor adapter required for 22 kW to 150 kW.*



### Cold Weather Kit

If the temperature falls below 0° F, install a cold weather kit to maintain optimal battery and engine oil temperature. Kit contains a thermostat-controlled battery pad and engine-block warmer.



### Scheduled Maintenance Kits

A scheduled maintenance program ensures the generator system is always in top operating condition and warranty requirements are being met. Generac's scheduled maintenance kits provide all the hardware necessary to perform complete routine maintenance on a Generac automatic standby generator. Oil must be purchased separately based upon manufacturer recommendations listed below. Maintenance is recommended at every 200 hours or 2 years.

Kit contents may vary by model. Kits Include:

- Air Filter
- Oil Filter
- Spark Plugs
- Oil Funnel
- Chamois
- Reminder Sticker



### Extended Warranty

Up to five years extended warranty coverage available through Generac Industrial and Residential/Commercial Dealers, on generators ranging from 9 to 150 kW (7 and 10 year options available).

# Specifications

## Automatic Standby Generators - Air-Cooled

Pre-packaged models	6998 / 6999	7030	7032	7036	N/A	N/A	7040	N/A
Non pre-packaged models	N/A	7029	7031	7035	7038	7042	N/A	7034
Rated Power (LPG/NG)	7.5 / 6 kW	9 / 8 kW	11 / 10 kW	16 / 16 kW	20 / 18	22/19.5	20/18kW	15 / 15KW
Voltage (Single Phase)	240V	240V	240V	240V	240V	240V	240V	240V
Amps @ 240V LPG	31.25	33.3	45.8	66.6	83.3	91.6	83.3	62.5
Amps @ 240V NG	25.0	29.2	41.7	66.6	75	781.25	75	62.5
Engine/Alternator RPM	3600 / 3600	3600 / 3600	3600 / 3600	3600 / 3600	3600 / 3600	3600 / 3600	2700-3600	2700-3600
Engine	OHV / 420cc	G-Force / 426c	G-Force / 530cc	G-Force / 999cc	G-Force / 999cc	G-Force / 999cc	G-Force / 999cc	G-Force / 999cc
Fuel Consumption @ full load LPG cu. ft/hr (gal. hr)	51.6 (1.42)	51.6 (1.42)	70 (1.92)	130 (3.57)	140 (3.85)	133 (3.68)	116 (3.19)	116 (3.19)
Fuel Consumption @ Full Load NG cu. ft/hr (gal. hr)	117	120	159	309	301	310	312	312 (8.83)
Quiet-Test Mode	No	No	No	Yes	Yes	Yes	Yes	No
db(A) at Exercise	69	62	63	60	60	58	57	63
db(A) at Normal Operating Load	67	62	63	66	66	67	63	63
Automatic Transfer Switch	50 Amp	100 Amp	100 Amp	100 Amp	NA	NA	200 Amp	NA
Circuits Included	8	16	16	16	16	16	16	16
Enclosure	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Enclosure Color	Bisque	Bisque	Bisque	Bisque	Bisque	Bisque	Bisque	Bisque
Warranty	3 Year Limited	5 Year Limited	5 Year Limited	5 Year Limited	5 Year Limited	5 Year Limited	5-Year Limited	3-Year 2000 Hour Limited
Dimensions (L" x W" x H")	36 x 27 x 25	48 x 25 x 29	48 x 25 x 29	48 x 25 x 29	48 x 25 x 29	48 x 25 x 29	48 x 25 x 29	48 x 25 x 29
Generator Weight (lbs.)	280	360	407	471	451	476	471	526
CARB Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transfer Switch Weight (lbs.)	N/A	53.5	57 / 39	68	39	39	39	NA

\* Rating definitions - Standby: Applicable for supplying emergency power for the duration of the charging period. No overload capability is available for this rating. (All ratings in accordance with BS5514, ISO3046 and DIN6271). \* Maximum wattage and current are subject to and limited by such factors as fuel Btu content, ambient temperature, altitude, engine power and condition, etc. Maximum power decreases about 3.5 percent for each 1,000 feet above sea level; and also will decrease about 1 percent for each 12° C (10° F) above 15.5° C (60°F). Not for sale in California.

## Protector Series QuietSource - Liquid Cooled

Model Number	RG022	RG025	RG027	RG030
Rated Power (LPG/NG)	22 / 22 kW	25 / 25 kW	27 / 25 kW	30 / 30 kW
Voltage (Single Phase)	240V	240V	240V	240V
Amps @ 240V, 1 Ø LP/NG	92	104	112 / 104	125 / 112
Amps @ 208V, 3 Ø LP/NG	92	87	94 / 87	104 / 94
Engine/Alternator RPM	1800/1800	3600/3600	1800/1800	3600/3600
Engine Size	2.4L	1.5L	1.5L	1.5L
Cylinder Arrangement	In-line 4-Cyl.	In-line 4-Cyl.	In-line 4-Cyl.	In-line 4-Cyl.
Fuel Consumption @ full load - LP cu. ft/hr (gal/hr)	125 (3.4)	155 (4.3)	143 (3.9)	187 (5.1)
Fuel Consumption @ full load - NG cu. ft/hr	316	390	359	470
Quiet-Test Mode	Yes	Yes	Yes	Yes
db(A) at Exercise	61	62	62	62
db(A) at Normal Operating Load	70	72	75	72
Automatic Transfer Switch	Not Included	RTS	Not Included	RTS
Enclosure	Aluminum	Aluminum	Aluminum	Aluminum
Enclosure Color	Bisque	Bisque	Bisque	Bisque
Warranty	5-Year Limited	5-Year Limited	5-Year Limited	5-Year Limited
Dimensions (L" x W" x H")	62.2 x 29 x 33.5	62.2 x 29 x 33.5	62.2 x 29 x 33.5	62.2 x 29 x 33.5
Generator Weight (lbs.)	843	875	891	935
SCAQMD Model	•		•	

## Commercial Series - Liquid Cooled

Model Number	QT070	QT080	QT100	QT130	QT150
Rated Power LP	70 kW	80 kW	100 kW	130 kW	150 kW
Rated Power NG	68 kW	80 kW	97 kW	130 kW	150 kW
Amps @ 240V, 1 Ø LP/NG	279 / 267	320	417 / 371	542	625
Amps @ 208V, 3 Ø LP/NG	243 / 232	278	347 / 326	452	521
Amps @ 240V, 3 Ø LP/NG	210 / 201	249	301 / 283	391	452
Amps @ 480V, 3 Ø LP/NG	105 / 101	120	151 / 141	196	226
Engine/Alternator RPM	1800/1800	3600/3600	2300/1800	3000/1800	3600/3600
Engine Size	6.8L	4.6L	6.8L	6.8L	6.8L
Cylinder Arrangement	V-10	V-8	V-10	V-10	V-10
Fuel Consumption LPG	411 (11.3)	465 (12.78)	507 (13.9)	719.8 (19.56)	830.6 (22.6)
Fuel Consumption NG	1020	1154	1260	1786	2061
Quiet-Test Low Speed Mode	Yes	Yes	Yes	Yes	Yes
db(A) at Exercise	61	64	61	65	66
db(A) at Normal Operating Load	65	74	72	75	79
Transfer Switch Type Needed	RTS	RTS	RTS	RTS	RTS
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Enclosure Color	Bisque	Bisque	Bisque	Bisque	Bisque
Dimensions (L" x W" x H")	96.5 x 37 x 48	116 x 37 x 55	116 x 37 x 55	116 x 37 x 55	116 x 37 x 55
Generator Weight Steel (lbs.)	N/A	N/A	N/A	N/A	N/A
Generator Weight Aluminum (lbs.)	2040	1836	2581	2749	2542

RG032	RG038	RG045	RG048	RG060
32 / 32 kW	38 / 38 kW	45 / 45 kW	48/ 48 kW	60 / 60 kW
240V	240V	240V	240V	240V
133	158	188	200	250
133	158	156	192	308
1800/1800	w1800/1800	3600/3600	1800/1800	3600/3600
		2.4L		2.4L
In-line 4-Cyl	In-line 4-Cyl.	In-line 4-Cyl.	V-8	In-line 4-Cyl.
166 (4.6)	192. (5.4)	240 (8.0)	260 (7.20)	327 (9.0)
380.6	444	730	655	862
Yes	Yes	Yes	Yes	Yes
58	58	61	60	Bisque
64	64	73	65	5 Year Limited
Not Included	Not Included	RTS	Not Included	RTS
Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bisque	Bisque	Bisque	Bisque	Bisque
5-Year Limited	5-Year Limited	5-Year Limited	5-Year Limited	5-Year Limited
77 x 33.5 x 45	77 x 33.5 x 45	77 x 33.5 x 45	77 x 33.5 x 45	77 x 33.5 x 45
1235	1235	1414	1360	1539

## Protector Series Generators - Diesel - Liquid Cooled

Model Number	RD015	RD020	RD030	RD048* / RD050
Rated Power	15 kW	20 kW	30 kW	48 / 50
Engine Alternator RPM	1800/1800	1800/1800	1800/1800	1800/1800
Engine	In-line 4-Cyl.	In-line 4-Cyl.	In-line 4-Cyl.	In-line 4-Cyl.
Fuel Type	Diesel	Diesel	Diesel	Diesel
Output Amperage 120/240 V, 1ø 1.0 pf	62	83	125	200
Output Amperage 120/208 V, 3ø 0.8 pf	52	69	104	173
Output Amperage 120/240 V, 3ø 0.8 pf	45	60	90	150
Output Amperage 277/480 V, 3ø 0.8 pf	n/a	n/a	45	75
Fuel Consumption @ 1/2 load - gal/hr (L/hr)	0.79 (2.99)	1.05 (3.97)	1.45 (5.5)	2.15 (8.14)
Fuel Consumption @ full load - gal/hr (L/hr)	1.48 (5.58)	1.98 (7.48)	2.74 (10.4)	3.98 (15.07)
Quiet-Test Mode	Yes	Yes	Yes	Yes
db (A) at exercise	65	65	65	65
db (A) at normal operating load	70	70	70	70
Enclosure	Aluminum	Aluminum	Aluminum	Aluminum
Enclosure Color	Bisque	Bisque	Bisque	Bisque
Warranty	5 Year Limited	5 Year Limited	5 Year Limited	5 Year Limited
Dimensions L"x W"x H" (in)	81 x 31 x 50	81 x 31 x 50	95 x 35 x 57	95 x 35 x 57
Weight (lbs.)	1380	1380	1927	2197

\*48 kW 60 Hz (single phase only) 50 kW 60 Hz (three phase only).

## Accessories

Model	Description
-------	-------------

### Remote Monitoring Options

6463	Mobile Link™ remote monitoring system
6478	Mobile Link™ LC adapter
5958	Remote liquid-cooled adapter

### Miscellaneous

5703	Bisque paint kit - Units mfg after 4/08
------	---

Model	Description
-------	-------------

### Liquid-Cooled Cold Weather Kits

5631	For 4.2L engines, 48 kW
5633	For 6.8L gear drive units

### Scheduled Maintenance Kits

5656	2.4L engines; 22 & 27 kW
5984	2.4L engines; 36 kW
6172	2.4L engines; 45 kW
6171	2.4L engines; 60 kW

### Liquid-Cooled Scheduled Maintenance Kits

5655	QT02516, QT03016
5656	QT02224, QT02724

Model	Description	Contents
-------	-------------	----------

### Load Management Options

5621	Auxiliary transfer switch contact kit	Contact, screws and washers
6186	Power Management Module (PMM)	50 Amp contact NEMA 3R enclosure
6199	PMM Starter Kit	24VAC transformer and one PMM

### Cold Weather Kits

6175	For 1.5L engines, 25 & 30 kW	28" Battery warmer, zip ties and thermostat
5630	For 2.4L engines, 22, 27, 36 & 60 kW	28" Battery warmer, zip ties and thermostat
5632	For 5.4L engines, 48 kW	44" Battery warmer, zip ties and thermostat

### Extreme Cold Weather Kits

5615	For 1.5L engines; 25, 30 kW	Block heater & associated mounting hardware
5616	For 2.4L engines; 22, 27, 36, 60 kW	Block heater & associated mounting hardware
5618	For 4.2L engines, 48 kW	Block heater & associated mounting hardware
5619	For 4.6L engines; 80 kW	Block heater & associated mounting hardware
5620	For 70, 100, 130 kW	Block heater & associated mounting hardware
5667	For 150 kW	Block heater & associated mounting hardware
5984	QT03624, QT06024	Block heater & associated mounting hardware
5985	QT8046	Block heater & associated mounting hardware
5660	QT7068, QT10068, QT13068, QT15068	Block heater & associated mounting hardware

## Transfer Switches

AMPS	MODEL	240V, 2-POLE PHASE / DESCRIPTION	RATING
<b>Smart Switches</b>			
100	RTSC100A3	Non-service rated transfer switch	UL / CUL
100	RTSW100A3	Service rated transfer switch	UL
150	RTSW150A3	Service rated transfer switch	UL
200	RTSC200A3	Non-service rated transfer switch	UL / CUL
200	RTSW200A3	Service rated transfer switch	UL
200	RTSW200A3F	200 amp service rated with integrated load center	UL
300	RTSW300A3	Service rated transfer switch	UL
400	RTSC400A3	Non-service rated transfer switch	UL / CUL
400	RTSW400A3	Service rated transfer switch	UL
600	RTSC600A3	Non-service rated transfer switch	UL / CUL
800	RTSC800A3	Non-service rated transfer switch	UL / CUL
<b>CSA Switch</b>			
100	RTSE100A3CSA	CSA approved service-rated	CSA
200	RTSE200A3CSA	CSA approved service-rated	CSA
<b>Limited Circuit</b>			
50	RTG10EZA1	10 circuit load center, includes all wire, circuit breakers, and conduit for installation, NEMA 1 rated	UL / CUL
100	RTG16EZA1	16 circuit load center, includes all wire, circuit breakers, and conduit for installation, NEMA 1 rated	UL / CUL
100	RTG16EZA3	16 circuit load center, expandable to 24 with use of tandem breakers, NEMA 3 rated	UL / CUL
<b>GenReady</b>			
100 / 200	RTG24SHA1 / RTG42SHA1 Whole House SER Transfer Switch and Load Center	100 Amp NEMA 1 with 24 space, 40 Circuit / 200 Amp NEMA 1 with 42 space, 60 Circuit	UL
N/A	5447 GenReady EZ Transfer Operator	EZ Operator install into 5448 to give automatic switch functionality	UL
200 / 125	5449 GenReady with EZ Transfer Operator	200 Amp, 40 circuit combination electrical panel / transfer switch with the EZ Operator already installed	UL
200 / 125	5454 GenReady with EZ Operator NEMA 3R	200 Amp, 40 circuit combination electrical panel / transfer switch with the EZ Operator already installed	UL
200 / 125	5453 GenReady with EZ Operator NEMA 3R	200 Amp, 40 circuit combination electrical panel / transfer switch with the EZ Operator already installed	UL

# EASY ORDER SELECTION GUIDE – Generac Natural Gas Product



To determine the correct product codes for a Commercial liquid-cooled generator and transfer switch follow the steps below. A product code is required to order. To place an order, e-mail or fax the product codes to your inside sales representative or place your order online. If you have questions, call 1-888-Generac. Freight is FOB factory. Charges will be determined at the time of order.

	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	
<b>ALL PRODUCT CODES BEGIN WITH RG = 22-60 kW</b>	<b>kW Ratings</b> e.g. (60 kW = 060)	<b>Engine</b> e.g. (2.4L = 24)	<b>Voltage</b> 120/240 1Ø = A 120/208 3Ø = G 120/240 3Ø = J 277/480 3Ø = K	<b>Fuel</b> Natural Gas = N Propane Vapor = V Field Convertible to LP = *	<b>Enclosure</b> Aluminum = A	<b>Emission/Catalytic Converter</b> No Catalyst = X Catalyst & A/F Ratio = C <sup>2</sup>	
	22 <sup>1</sup>	2.4L @ 1800 RPM	A, G, J	N*	A	X	
	25 <sup>1</sup>	1.5L @ 3600 RPM	A, G, J	N*	A	X	
	27 <sup>1</sup>	2.4L @ 1800 RPM	A, G, J	N*	A	X	
	30 <sup>1</sup>	1.5L @ 3600 RPM	A, G, J	N*	A	X	
	32 <sup>3</sup>	2.4L @ 1800 RPM	A, G, J, K	N*	A	X	
	36 <sup>3</sup>	2.4L @ 3600 RPM	A, G, J, K	N*	A	X	
	38 <sup>3</sup>	2.4L @ 1800 RPM	A, G, J, K	N*	A	X	
	45	2.4L @ 3600 RPM	A, G, J, K	N*	A	X, C	
	48	5.4L @ 1800 RPM	A, G, J, K	N*	A	X, C	
	60 <sup>3</sup>	2.4L @ 3600 RPM	A, G, J, K	N, V	A	X	
	70	6.8L @ 1800 RPM	A, G, J, K	N, V	A	X, C	
	80 <sup>3</sup>	5.4L @ 3600 RPM	A, G, J, K	N, V	A	X	
	100	6.8L @ 2300 RPM Gear Drive	A, G, J, K	N, V	A	C	
	130	6.8L @ 3000 RPM Gear Drive	A, G, J, K	N, V	A	C	
	150	6.8L @ 3600 RPM	A, G, J, K	N, V	A	C	
<b>SAMPLE</b>							
	R G	0 6 0	2 4	G	N	A	X

PRODUCT CODE (Enter on Order Form)

R G [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

- 1 = 22 - 30 kW - CARB emission compliant in State of California and City of Los Angeles and do not require a catalyst. Emission compliant in State of Massachusetts.
- 2 = Catalyst & A/F Ratio may not be available for all models required for California and Massachusetts. Contact your Generac representative for details on these emission requirements.
- 3 = Not available with catalyst. Units are not CARB Compliant and may not be sold in state of California, City of Los Angeles, and state of Massachusetts.
- \* = Units are field convertible through 48 kW and are shipped for use with Natural Gas.

## TRANSFER SWITCHES

	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
<b>SELECTION CRITERIA</b>	<b>Transfer Switch Used With Generator Controller</b>  Nexus Controller = <b>RTS or RXS</b> or Evolution Controller	<b>Switch Type</b> Non-Service Rated = C Service Entrance Rated = W 16 Circuit Load Shedding = J <sup>2</sup> All 3Ø non-service rated = N	<b>Amp Rating</b> e.g. (200 Amp = 200)	<b>Voltage</b> 120/240 1Ø = A 120/208 3Ø = G 120/240 3Ø = J 277/480 3Ø = K <sup>3</sup>	<b>Enclosure Type</b> NEMA 3R = 3
For Standby Generators 22 - 150 kW	<b>RTS or RXS</b>	<b>C, W, J, N</b>	<b>100, 150<sup>4</sup>, 200, 300<sup>4</sup>, 400, 600, 800</b>	<b>A, G, J, K</b>	<b>3</b>
<b>SAMPLE</b>					
	R X S	W	2 0 0	A	3

PRODUCT NUMBER (Enter on Order Form)

[ ] [ ]

- 1 = 120/240 1Ø, 100 - 800 Amp NEMA 3R non-service rated only
- 2 = 120/240 1Ø, 200 Amp service entrance rated NEMA 3R
- 3 = 277/480 3Ø phase only for 32-160 kW
- 4 = 150 & 300 Amp only available in RTSW150A3 and RTSW300A3 configuration

**NOTE: THERE ARE NO RETURNS, CHANGES OR CANCELLATIONS ON GENERAC COMMERCIAL SERIES ORDERS. THIS EQUIPMENT IS BUILT-TO-ORDER ONCE PAYMENT IS RECEIVED.**

0182310SBY 07-2017  
©2017 Generac Power Systems, Inc.

## EASY ORDER SELECTION GUIDE – Generac Diesel Product - U.S. & Canada

To determine the correct product codes for a diesel generator and transfer switch follow the steps below. A product code is required to order. To place an order, e-mail or fax the product codes to your inside sales representative or place your order online. If you have questions, call 1-888-Generac. Freight is FOB factory. Charges will be determined at the time of order.

	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	
	<b>kW Ratings</b> e.g. (15 kW = 015)	<b>Engine</b> e.g. (2.3L = 23)	<b>Voltage</b> 120/240 1ø = A 120/208 3ø = G 120/240 3ø = J 277/480 3ø = K	<b>Fuel</b> Diesel = D	<b>Enclosure</b> Aluminum = A	<b>Tank</b> Extended Tank = E	
ALL DIESEL PRODUCT CODES BEGIN WITH RD	015	2.5L @ 1800 RPM	A, G, J	D	A	E	
	020	2.5L @ 1800 RPM	A, G, J	D	A	E	
	030	2.2L @ 1800 RPM	A, G, J, K	D	A	E	
	048*	3.3L @ 1800 RPM	A*, G, J, K	D	A	E	
	050*	3.3L @ 1800 RPM	A*, G, J, K	D	A	E	
SAMPLE							
	R D	0 4 8	3 3	A	D	A	E
	R D						

PRODUCT CODE (Enter on Order Form)

\* = 48kW in single phase configuration only. 50kW in three phase configuration only.

## TRANSFER SWITCHES

	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
<b>SELECTION CRITERIA</b>	<b>Transfer Switch Used With Generator Controller</b>  Evolution Controller = <b>RTS or RXS</b>	<b>Switch Type</b> PMM Load Shedding = C Service Entrance Rated PMM Load Shedding = W 16 Circuit Load Shedding = J <sup>2</sup> All 3ø non-service rated = N	<b>Amp Rating</b> e.g. (200 Amp = 200)	<b>Voltage</b> 120/240 1ø = A 120/208 3ø = G 120/240 3ø = J 277/480 3ø = K <sup>3</sup>	<b>Enclosure Type</b> NEMA 3R = 3
For Standby Generators 22 - 150 kW	<b>RTS or RXS</b>	<b>C, W, J, N</b>	<b>100, 150<sup>4</sup>, 200, 300<sup>4</sup>, 400, 600, 800</b>	<b>A, G, J, K</b>	<b>3</b>
SAMPLE					
	R T S	C	2 0 0	A	3

PRODUCT NUMBER (Enter on Order Form)

- 1 = 120/240 1ø, 100 - 800 Amp NEMA 3R non-service rated only
- 2 = 120/240 1ø, 200 Amp service entrance rated NEMA 3R
- 3 = 277/480 3ø phase only for 30-50 kW
- 4 = 150 & 300 Amp only available in RTSW150A3 and RTSW300A3 configuration

**NOTE: THERE ARE NO RETURNS, CHANGES OR CANCELLATIONS ON GENERAC DIESEL ORDERS. THIS EQUIPMENT IS BUILT-TO-ORDER ONCE PAYMENT IS RECEIVED.**

.....

Contact your local dealer or  
distributor for more information  
or visit [www.generac.com](http://www.generac.com)

.....

Generac Power Systems, Inc.  
S45 W29290 Hwy. 59, Waukesha, WI 53189  
1-888-GENERAC (1-888-436-3722)

0201810 07/2017 ©2017 Generac Power Systems, Inc.  
All rights reserved. Specifications are subject to change without notice.



[generac.com](http://generac.com)