

**GENERAC®**  
POWER SYSTEMS, INC.

# PRODUCT CATALOG

Residential and Commercial Generators



# America Prefers Generac 5 to 1

## HIGHEST QUALITY—SUPERIOR PERFORMANCE—BEST VALUE

No wonder Generac Power Systems sells five times more automatic home standby generators than our closest competitor. By setting the industry standard, we also sell more than all of our competitors combined.



### *True Industrial Grade Power*

Generac developed our OHVI® (Overhead Valve INDUSTRIAL) engines specifically for use in our home standby generators. Every OHVI® engine has full pressure lubrication with more than 30 psi of oil pressure to every bearing surface for outstanding reliability and long life.

### *2 Year / 200 Hour Service Intervals*

Our new **plateau honing** process reduces the height of the oil-bearing ridges in cylinder walls—something that normally occurs as an engine “breaks in” during the first few hours of operation under load. The result is an engine that is fully broken in right out of the box. Both oil consumption and contamination from metal fragments are significantly reduced, allowing us to extend service intervals to a full 2 years or 200 hours on Generac OHVI engines.

**The use of additional high-end automotive technology enhances the performance and durability of our engines even more. Some examples include:**

- Plasma Molly piston rings, like those used in high performance race car engines, for superior seal and longer life
- Graphite coated pistons for reduced friction
- Automotive-type air cleaner for enhanced performance and longer life

### *Critical Circuits vs. Whole-House Protection*

Generac makes it easy for homeowners to select the generator they need to back up critical circuits. With our pre-wired system, installation is fast, easy and economical. For those choosing whole-house coverage, our 100, 200 and 400 Amp service entrance rated automatic transfer switches eliminate the need and the expense of a separate service disconnect.

### *The 13 kW*

We're the only manufacturer to offer a 13 KW generator that produces a full 13 kilowatts on both natural gas and LPV.

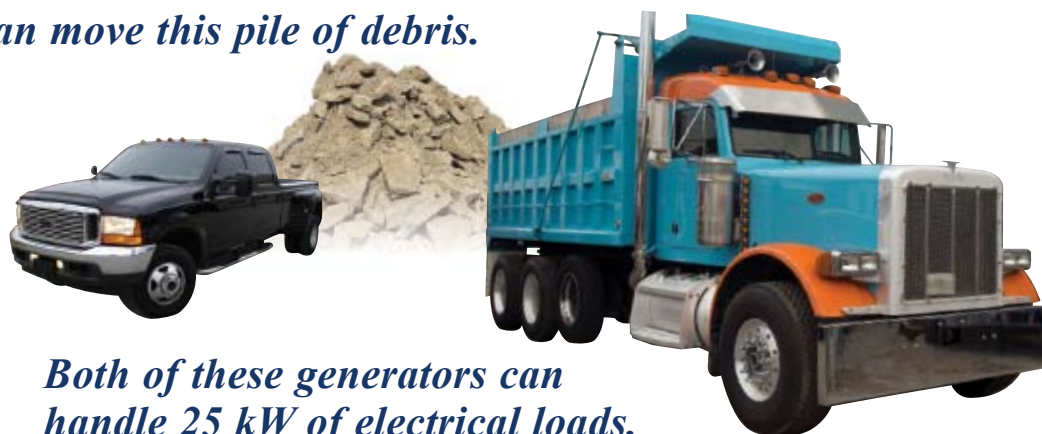
### *Premium Power*

Our 16 and 18 kW models are the only air-cooled generators with Generac's exclusive Quiet-Test™ low-speed exercise feature. With Quiet-Test, these generators are as quiet as a car idling in your driveway during the weekly self-test. An aluminum enclosure is standard on the 18 kW and optional on the 16 kW, making them ideally suited for coastal areas and highly corrosive environments.

# Superior Solutions, Superior Value

*Both of these trucks can move this pile of debris.*

**But only one can  
move it all at once!**



*Both of these generators can  
handle 25 kW of electrical loads.*



**But only the Generac 25 kW can power everything at once!**

The fact is that one kilowatt (kW) always equals 1,000 watts of power – no more, no less. That means their 15 kW generator can never provide power for more than 15 kW of electrical loads at any one time. That's 10,000 watts less than the Generac 25 kW.

So how can they claim to back up all of the circuits in a home with 25 kW of electrical loads? They simply turn off and lock out 40% of the load at any given time. Otherwise, they run the risk of overloading the generator.

COMMON SIGNIFICANT ELECTRICAL LOADS (2000 ft <sup>2</sup> home)			
Description	kW	Description	kW
4 Ton (48,000 BTU) Central AC*	4	Well Pump	1
Electric Dryer	5.5	Microwave	1
Electric Range (Oven)	5	Refrigerator	.5
Electric Stovetop Burners (4)	6	Freezer	.75
Water Heater	4.5	Washer	.75
Lighting & Outlets	3.5	Garage Door Opener	.5
Dishwasher	1.5	Heat Pump Elements	14

\*kW required to start AC is typically about 3 times AC capacity in tons.

## The Right Power for the Job

### POWER TO SPARE\*

Generac Model	Air Conditioning	Additional Watts Available
10 kW	3-ton AC	4,500
13 kW	4-ton AC	10,000
	4-ton plus 3-ton AC	5,000
16 kW	4-ton AC	11,000
	4-ton plus 3-ton AC	6,000
	5-ton AC	10,000
	5-ton plus 3-ton AC	5,000

\* The power required to start air conditioning units varies widely. Always check the LRA on the AC data plate and the surge capability of the selected generator before purchasing.

### WHAT CAN YOU DO WITH THOSE ADDITIONAL WATTS?\*

5,000 Watts**	7,000 Watts**	10,000 Watts**
Refrigerator	Refrigerator	Refrigerator
Freezer	Freezer	Freezer
10 - 75 Watt Lights	10 - 75 Watt Lights	10 - 75 Watt Lights
Garage Door (1/3 hp)	Garage Door (1/3 hp)	Garage Door (1/3 hp)
Security System	Security System	Security System
Washing Machine	Washing Machine	Washing Machine
Gas Dryer	Gas Dryer	Gas Dryer
Dishwasher	Dishwasher	Dishwasher
TV	2 - TV's	2 - TV's
Gas Water Heater	Gas Water Heater	Gas Water Heater
Computer & Printer	Computer & Printer	Computer & Printer
Well Pump	Well Pump	Well Pump
Furnace Fan	Furnace Fan	Furnace Fan
	Electric Range	Electric Range
	Sump Pump (1/3 hp)	Sump Pump (1/3 hp)
		Hair Dryer
		Vacuum Cleaner

\*\* Estimated averages. Power requirements vary widely by appliance brand, model, size and other factors.



# The Quiet Standard in Commercial Standby Power

**Generac's QT Series generators have redefined backup power for small and medium-sized businesses. Using the knowledge, experience and engineering expertise that made Generac the world's number one manufacturer of home standby systems, we identified and eliminated cost, environmental and installation barriers that had prevented small and mid-sized businesses from purchasing backup power.**

## Sound Investment

Generac QT Series generators are the quietest in the industry during the unit's weekly self-testing period. During these tests, Quiet-Test™ allows the engine to run at lower speeds, reducing sound levels to only 54-66 dBA @ 7 meters. That's comparable to conversational speech. Even at normal load, the QT is still quieter than most washing machines.

QT models also feature:

- Specially designed internal components to maximize cooling and significantly reduce fan noise
- A proprietary sound attenuated enclosure
- Internal high-tech material lining for increased sound absorption

## The Generac Promise

All QT Series models are UL 2200 Listed and production tested. That's your assurance they meet the most stringent performance, endurance and safety standards.

With outputs ranging from 7 to 150 kilowatts, our home standby and QT Series generators offer:

- Matching automatic transfer switches rated from 100 to 800 Amps
- Industry-leading computer controls
- Simplified installation
- Reduced noise and rodent-proof enclosures
- Waterproof electrical connections
- Built-in circuit breakers



## The Natural Solution

For standby power systems, gaseous fuels (natural gas or LP vapor) are vastly superior to diesel fuel. All Generac QT Series products are available in natural gas or LP vapor configurations.

ADVANTAGES OF GASEOUS FUEL	DISADVANTAGES OF DIESEL FUEL
Natural gas is delivered reliably and continuously underground.	Diesel products require refueling and on-site fuel storage in expensive double-walled tanks. During major emergencies, diesel fuel can be difficult to obtain.
Gaseous fueled engines emit far fewer pollutants and are environmentally friendly.	Diesel fuel emits an odor and presents an environmental risk from spillage.
Natural gas demand drops significantly during a power outage, assuring more than adequate supply.	Diesel fueled products face tight fuel storage restrictions and the fuel itself requires maintenance to prevent deterioration over time.
Spark ignited engines start more easily than diesel engines in cold climates. Spark ignited engines are also quieter in terms of noise, vibration and harshness.	Diesel engines are often harder to start in cold climates and they traditionally create more noise than spark ignited engines.

# Industry-Leading System Controls

## R-Series Digital Controller

The R-Series, with built-in governor and voltage regulator, monitors utility voltage, oversees transfer switch operation and controls the Quiet-Test™ low speed exercise feature. LED indicator lights display system status and faults such as overcrank, overspeed, high coolant temperature, low coolant level, low oil pressure and low battery voltage.



### CONTROL FUNCTIONS

- **Full system monitoring**
  - Oil pressure
  - Coolant temperature
  - Engine speed
  - Coolant level
  - Cranking time
  - Starter lockout (engagement and disengagement)
  - Utility sensing
- **Shutdowns and LED indicators**
  - Overspeed and overcrank
  - Low oil pressure
  - High coolant temperature
  - Low coolant level
  - Low fuel pressure
  - Low battery voltage
- **Quiet-Test™ control**

## PowerManager® H-100 Controller

With 32-bit processing power, the PowerManager H-100 integrates isochronous engine speed control, automatic voltage regulation, over-voltage protection and variable voltage/frequency settings. Multiple LCD displays keep the operator well informed of alternator frequency, kW, kVA, power factor and three-phase voltage.

This innovative digital controller comes equipped with Ethernet, RS232 and RS485 communication ports and provides remote monitoring with our GenLink® communication software. Additional features include built-in user-defined PLC functions, data logging, trending and automatic service reminders.

### CONTROL FUNCTIONS

- **All of the R-Series control functions, *plus***
- **Full range standby operation**
- **Full system status**
  - 3 phase AC volts and current
  - Alternator frequency
  - kW, kVA, power factor
  - Fuel pressure
  - Alarms and warnings
  - Transfer switch status
  - Operating hours
  - Service reminders
  - Trending
  - Utility sensing
- **Fault protection for generator windings**
- **3 phase sensing voltage regulator**
- **Isochronous speed regulation**



### SYSTEM FEATURES

- **Two 4-line x 20-character LCD displays**
- **Integrated engine governor and voltage regulator**
- **Remote communication via GenLink generator monitoring software (optional)**
- **Remote ports**
  - RS232 (For optional modem)
  - RS485
- **Waterproof electrical connections**
- **Audible alarm**
- **Hermetically sealed circuit board in a die-cast aluminum enclosure**
- **Service-friendly diagnostics**
- **Built in PLC for user I/Os**
- **Integrated automatic transfer switch controller for Generac HTS transfer switches**
- **Advanced engine sensors that eliminate false signals and interference**
- **Quiet-Test™ control**
- **Industry standard 2-wire start**

# 15 / 17.5 kW



## Portable Generators

Generac 15 and 17.5 kW portable generators offer the best value in the business. Both feature Generac OHVI® air-cooled engines with plateau honed cylinders and graphite-coated pistons for long life, impressive power and smooth, quiet operation. Our 15 kW unit is ideal for power on the job site. The 17.5 kW comes pre-packaged with our 100 Amp, 16-circuit manual transfer switch, making it a great emergency source of electricity at home or in commercial applications such as gas stations.

## Manual Transfer Switch

Our manual transfer switch makes it easy to use a Generac portable generator to supply power to the home during an outage. With up to 16 selected circuits already pre-wired to the transfer switch, all that's required is to start the generator and plug it in. By flipping a single switch, the utility is locked out and the load is transferred to the generator.

### GENERATOR SPECIFICATIONS

	Generator only	Generator with manual transfer switch
Model	04582	05308
Rated Power (watts)	15,000	17,500
Surge Watts	22,500	26,250
Rated Amps @ 60 Hz 120/240, 1Ø, 1.0 pf	62.5	73.0
Engine	GT990	GT990
Engine RPM	3600	3600
Engine Cooling	Air	Air
Fuel Capacity (gasoline) gallons	16	16
Dimensions (L" x W" x H") including frame	49 x 31 x 39	49 x 31 x 39
Unit Weight (lbs.)	450	475



### GENERATOR FEATURES

Full Pressure Lubrication ..... Standard  
 Single Point Lifting ..... Standard  
 Spin-on Oil Filter ..... Standard  
 Automatic Idle Control..... Standard  
 Low Oil Pressure Shutdown ..... Standard  
 Solid State Voltage Regulator..... Standard  
 GFI Protection ..... Standard  
 Anti-vibration System..... Standard

Circuit Breakers ..... Standard  
 Battery Charge Cables..... Standard  
 Maintenance Free Battery ..... Standard  
 Full 1.25" Tubular Frame ..... Standard  
 Pneumatic Wheel Kit..... Standard  
 Electronic Governor..... Standard  
 Tune-up Kit ..... Standard

16 & 18 kW -  
the ONLY home  
standby generators with  
**QUIET TEST™**



UL 2200 Listing is your assurance of local building code approval, safety and certified kW power ratings.

Model	05251	05252	05253	05254*	05418
Rated Power (kW – 60 Hz)	<u>NG</u> <u>LPV</u> 6 7	<u>NG</u> <u>LPV</u> 9 10	<u>NG</u> <u>LPV</u> 13 13	<u>NG</u> <u>LPV</u> 15 16	<u>NG</u> <u>LPV</u> 16 18
Rated Amps @ 60 Hz 120/240, 1ø, 1.0 pf	<u>NG</u> <u>LPV</u> 25.0 29.2	<u>NG</u> <u>LPV</u> 37.5 41.6	<u>NG</u> <u>LPV</u> 54.0 54.0	<u>NG</u> <u>LPV</u> 62.5 66.7	<u>NG</u> <u>LPV</u> 66.7 75
Engine	GT410	GT530	GT990	GT990	GT990
Engine RPM @ Full Load	3600	3600	3600	3600	3600
@ Exercise	NA	NA	NA	2400	2400
Engine Cooling	Air	Air	Air	Air	Air
Enclosure	Steel	Steel	Steel	Steel	Aluminum
Compatible Automatic Transfer Switches	RTS	RTS	RTS	RTS	RTS
Fuel Consumption (@ 100% rated power)					
NG–ft³/hr.	119	156	220	245	262
LPV–gal./hr. (ft³/hr.)	1.47 (54)	1.93 (70)	2.18 (80)	2.51 (92)	2.85 (103.5)
Sound Emissions Performance (dBA @ 7 meters)					
Sound level @ normal operating load	62	63	66	66	66
Sound level @ exercise	62	63	66	60	60
Dimensions (L" x W" x H")	48 x 24 x 28.25	48 x 24 x 28.25	48 x 24 x 28.25	48 x 24 x 28.25	48 x 24 x 28.25
Unit Weight (lbs.)	336	375	425	445	451

\* Available with aluminum enclosure – Order as Model # 05255

## CONTROLLER

6 LED Indicator Lights.....	Standard	Safety Fuse.....	Standard
High Temperature Shutdown .....	Standard	Starter Lockout.....	Starter cannot re-engage until 5 sec. after engine has stopped.
Low Oil Pressure Shutdown .....	Standard	Trickle Battery Charger.....	Standard
Overspeed Shutdown .....	Standard	Engine Warm-up .....	10 - 15 seconds
Overcrank Shutdown.....	Standard	Engine Cool-down.....	1 minute
Low Battery Voltage Indicator.....	Standard	Mode Switch	
Automatic Voltage Regulator with Over-voltage Protection.....	Standard	• Auto Position:.....	Utility failure / 7 day exerciser
• Voltage Regulation (at steady state from no load to 100% load).....	$\pm 2.0\%$	• Off Position: .....	Stops unit. Power is removed. Control and charger still operate.
• Frequency Regulation (for constant load from no load to 100% load) .....	$\pm 5.0\%$	• Manual/Test Position:.....	Start with starter control, unit stays on. If utility fails, transfer to load takes place.
Engine Start Sequence .....	Cyclic Cranking: Initially 15 sec. on, then 7 sec. rest, 7 sec. on. 90 sec. maximum duration.	Automatic Weekly Exerciser .....	Standard
		• Quiet-Test Exercise .....	Standard on 16 and 18 kW models



# 18 / 20 / 25 kW



Generac offers liquid-cooled, low displacement models with outputs of 18, 20 and 25 kW. These are popular and proven designs that run on natural gas or propane vapor (LPV), and like all QT Series models, feature integrated circuit breakers. They're ideal for most homes and many small businesses.

## GENERATOR SPECIFICATIONS

Model	QT018	QT020	QT025	QT025
Related Power (kW - 60 Hz)				
LP Vapor	18	20	25	25
Natural Gas	18	20	24	24
Rated Amps @ 60 Hz				
120/240, 1Ø, 1.0 pf	75	83	104/100	104/100
120/208, 3Ø, 0.8 pf	62	69	87/84	87/84
120/240, 3Ø, 0.8 pf	54	60	75/72	75/72
Engine	1.6L, 4 Cylinder	1.6L, 4 Cylinder	1.6L, 4 Cylinder	2.4L, 4 Cylinder
Engine RPM	1800	3600	3600	1800
Enclosure	Aluminum	Steel	Steel	Aluminum
Compatible Automatic Transfer Switches	RTS	RTS	RTS	RTS
Fuel Consumption (@ 100% rated power)				
NG—ft <sup>3</sup> /hr.	278	315	437	375
LPV—gal./hr. (ft <sup>3</sup> /hr.)	3.04 (110)	3.44 (125)	4.81 (175)	3.91 (142)
Sound Emissions Performance (dBA @ 7 meters)				
Sound level @ normal operating load	68	74	74	60
Sound level @ exercise	63	62	62	54
Dimensions (L" x W" x H")	62 x 29 x 34	62 x 29 x 34	62 x 29 x 34	77 x 34 x 45
Unit Weights (lbs.)	845	875	875	1255



**All units are UL 2200 Listed**

UL 2200 Listing is your assurance of local building code approval, safety and certified kW power ratings.

## R-SERIES DIGITAL CONTROLLER

7 LED Indicator Lights.....	Standard
High Temperature Shutdown .....	Standard
Low Coolant Level Shutdown .....	Standard
Low Oil Pressure Shutdown .....	Standard
Overspeed Shutdown .....	Standard
Automatic Voltage Regulator with Over-voltage Protection.....	Standard
• Voltage Regulation (at steady state from no load to 100% load).....	± 1.0%
• Frequency Regulation (for constant load from no load to 100% load) .....	± 0.5%
Engine Start Sequence.....	Cyclic Cranking: Initially 15 sec. on, then 7 sec. rest, 7 sec. on. 90 sec. maximum duration.
Safety Fuse .....	Standard



Generac's 30 to 60 kW systems are ideal for many commercial applications. They are light weight, making them appropriate for roof-mounting and perfect for small office buildings, churches, municipal buildings, retail centers, police stations, schools, farms, convenience stores and restaurants. As with all of our QT Series models, these units take advantage of existing natural gas lines for a continuous, hassle-free fuel supply.



## GENERATOR SPECIFICATIONS

Model	QT030	QT035	QT045	QT045	QT060*
Related Power (kW - 60 Hz)					
LP Vapor	30	35	45	45	60
Natural Gas	29	35	45	42	60
Rated Amps @ 60 Hz (LPV/NG)					
120/240, 1 $\phi$ , 1.0 pf	125/121	145	188	188/175	250
120/208, 3 $\phi$ , 0.8 pf	104/101	121	156	156/145	208
120/240, 3 $\phi$ , 0.8 pf	90/87	105	135	135/126	180
277/480, 3 $\phi$ , 0.8 pf	45/44	53	68	68/63	90
Engine	1.6L, 4 Cylinder	4.2L, V-6	2.4L, 4 Cylinder	4.2L, V-6	3.0L, V-6
Engine RPM	3600	1800	3600	1800	3600
Enclosure	Steel	Aluminum	Steel	Aluminum	Steel
Compatible Automatic Transfer Switches	RTS	RTS	RTS	RTS	RTS
Fuel Consumption (@ 100% rated power)					
NG-ft <sup>3</sup> /hr.	525	530	720	685	960
LPV-gal./hr. (ft <sup>3</sup> /hr.)	5.7 (209)	5.8 (211.1)	7.9 (286)	7.5 (272.9)	10.5 (322.7)
Sound Emissions Performance (dBA @ 7 meters)					
Sound level @ normal operating load	75	65	73	65	71
Sound level @ exercise	62	60	61	60	63
Dimensions (L" x W" x H")	62 x 29 x 34	77 x 34 x 45	77 x 34 x 46	77 x 34 x 45	89 x 34 x 48**
Unit Weights (lbs.)	935	1685	1414	1703	1650

\* Available with aluminum enclosure \*\*Height does not include measurement of exhaust stack(s).

Starter Lockout..... Starter cannot re-engage until  
5 sec. after engine has stopped.

2 Amp Automatic Battery Charger ..... Standard

Engine Warm-up ..... 10 - 15 seconds

Engine Cool-down..... 1 minute

Mode Switch

- Auto Position:..... Utility failure / 7 day exerciser
- Off Position: .....Stops unit. Power is removed.  
Control and charger still operate.
- Manual/Test Position:..... Start with starter control,  
unit stays on. If utility fails,  
transfer to load takes place.

Automatic Weekly Exerciser ..... Standard

- Quiet-Test Exercise ..... Standard



**All units are UL 2200 Listed**

UL 2200 Listing is your assurance of local building code approval, safety and certified kW power ratings.

# 70 / 80 kW



For applications that require more sophisticated monitoring and diagnostic capabilities, Generac's QT070 and QT080 provide a superior solution. A modem and our GenLink® software are available as an option on these units as well as our larger models. They use natural gas for cost-effective, environmentally friendly operation and are good choices for medical and dental offices, fitness centers, automobile dealerships and automotive repair shops.

## GENERATOR SPECIFICATIONS

Model	QT070*	QT080*
Related Power (kW - 60 Hz)		
LP Vapor	70	80
Natural Gas	68	80
Rated Amps @ 60 Hz		
120/240, 1ø, 1.0 pf	292	333
120/208, 3ø, 0.8 pf	243	278
120/240, 3ø, 0.8 pf	210	240
277/480, 3ø, 0.8 pf	105	120
Engine	6.8L, V10	4.6L, V-8
Engine RPM	1800	3600
Enclosure	Steel	Steel
Compatible Automatic Transfer Switches	HTS	HTS
Fuel Consumption (@ 100% rated power)		
NG—ft³/hr.	1020	1154
LPV—gal./hr. (ft³/hr.)	11.3 (411)	12.8 (465)
Sound Emissions Performance (dBA @ 7 meters)		
Sound level @ normal operating load	65	74
Sound level @ exercise	61	64
Dimensions (L" x W" x H")	97 x 37 x 48	116 x 37 x 55**
Unit Weights (lbs.)	2185	2010

\* Available with aluminum enclosure

\*\*Height does not include measurement of exhaust stack(s).



### All units are UL 2200 Listed

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## POWERMANAGER® H-100 CONTROLLER

32-Bit Microprocessor ..... Single point of control for engine, generator and transfer switch functions.

Automatic Voltage Regulator with Over-voltage Protection ..... Standard

- Variable Voltage Frequency Settings ..... Allows matching V/F to load for more consistent output; prevents excessive engine lugging under load to protect motors and improve motor starting.

- Voltage Regulation (at steady state from no load to 100% load) ..... ± 0.25%

- Frequency Regulation (for constant load from no load to 100% load) ..... Isochronous

Sealed Casing ..... Protects against vibration, dust, heat, moisture, corrosion, radio interference, electromagnetic interference and static discharge.

Low Coolant, High Temperature and Low Oil Pressure Automatic Shutdown ..... Standard

Digital Readout of AC kW, kVA, Power Factor and All Engine Functions ..... Standard

Isochronous Governor Control ..... Standard

Generac's QT100, QT130 and QT150 are excellent choices for larger applications requiring up to 150 kW of standby power. The QT100 (6.8 liter) and QT130 feature our proven gear drive system for maximum output and years of dependable performance. Senior living centers, supermarkets, movie theaters, pumping stations and strip malls are just a few examples of applications that are perfect for these models.



## GENERATOR SPECIFICATIONS

Model	QT100*	QT100*	QT130*	QT150*
Related Power (kW - 60 Hz)				
LP Vapor	100	100	130	150
Natural Gas	100	97	130	150
Rated Amps @ 60 Hz				
120/240, 1Ø, 1.0 pf	417	417	542	625
120/208, 3Ø, 0.8 pf	347	347	451	520
120/240, 3Ø, 0.8 pf	—	301	391	451
277/480, 3Ø, 0.8 pf	150	150	195	226
Engine	5.4L, V-8	6.8L, V-10	6.8L, V-10	6.8L, V-10
Engine RPM	3600	2300	3000	3600
Enclosure	Steel	Steel	Steel	Steel
Compatible Automatic Transfer Switches	HTS	HTS	HTS	HTS
Fuel Consumption (@ 100% rated power)				
NG—ft <sup>3</sup> /hr.	1374	1260	1786	2061
LPV—gal./hr. (ft <sup>3</sup> /hr.)	15.05 (553.8)	13.8 (507.8)	19.56 (719.8)	22.57 (830.6)
Sound Emissions Performance (dBA @ 7 meters)				
Sound level @ normal operating load	74	72	75	79
Sound level @ exercise	64	61	65	66
Dimensions (L" x W" x H")	116 x 37 x 55**	116 x 37 x 55**	116 x 37 x 55**	116 x 37 x 55**
Unit Weights (lbs.)	2311	2705	2873	2666

\* Available with aluminum enclosure \*\*Height does not include measurement of exhaust stack(s).

Predictive Maintenance Reminders .....	Standard
3 Phase Sensing .....	Protects motor by monitoring voltage across all 3 phases.
2 Amp Automatic Battery Charger .....	Standard
Fault Protection (I <sup>2</sup> T Function) .....	Provides total generator winding protection under all fault conditions.
Start/Stop Control .....	Programmable auto-crank feature.
Starter Lockout .....	Standard
Automatic Weekly Exerciser with Selectable Low Speed Exercise .....	Standard
Overspeed/Over-voltage Protection .....	Standard
Overcrank Protection .....	Standard
Emergency Stop .....	Standard
RS485 Remote 2-way Communication .....	Standard
with HTS Transfer Switch	
RS232 & RS485 Outputs .....	Computer connections for remote monitoring and remote adjustments (with optional modem and GenLink <sup>®</sup> software)



**All units are UL 2200 Listed**

UL 2200 Listing is your assurance of local building code approval, safety and certified kW power ratings.

# 100 – 1500 kW



## *More Power, Less Cost*

Generac pioneered integrated paralleling technology, in which the paralleling capabilities and circuit breakers are built in. There's no need to buy expensive switchgear or other costly equipment.

## *Natural Gas: The Affordable Solution*

Generac's MPS solution also brings the advantages of natural gas to a broader range of facilities at a much lower price. Coupled with the added benefits of redundancy, scalability, and flexibility, Generac MQT generators bring a new dimension to larger commercial and light industrial applications.



**All units are UL 2200 Listed**

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## *Modular Power Systems*

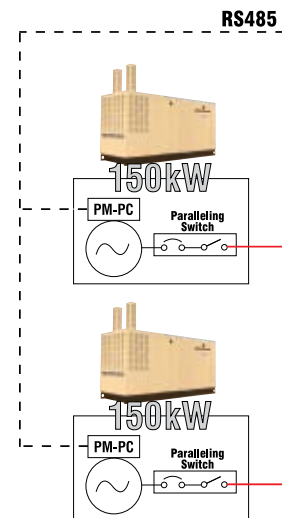
For applications requiring greater amounts of standby power, the MQT100 and MQT150 models are ideal. Equipped with a PowerManager® G-200 Controller, the output of these gensets can be combined to form a Generac Modular Power System (MPS). MQT Series Modular Power Systems are like building blocks that can be linked to combine the power output of two or more units of the same size. With the ability to parallel up to ten 100 kW or ten 150 kW units, these generators can satisfy higher end requirements ranging from 100 to 1500 kW.

## **POWER MANAGER® G-200 DIGITAL CONTROLLER**

Generac's PowerManager G-200 is the most technologically advanced controller on the market. This exceptional controller features:

- **All of the PowerManager H-100 features, *plus***
- 6-inch LCD touch screen adjustable display
- Integrated paralleling technology
- Synchronization, load shedding, load sharing and relay protection
- Warm up and cool down modes
- **Quiet-Test™** control for exercise

# *How MPS Works*





## Redundancy

As with any Generac Modular Power System, each MQT generator within the system backs up the others. Critical loads receive extra protection and building managers enjoy greater peace of mind.

## Serviceability

MQT generators use modified high volume truck or industrial engines that can be serviced using readily available, cost-effective parts. And since each generator backs up the others, servicing can be accomplished without losing backup power to the critical load.

## Lower Cost

The MPS solution can often result in savings of 30, 40 or even 50% over comparable single engine natural gas gensets. Generac's integrated paralleling technology simplifies start-up, and the lower weight eliminates the need for heavy-duty cranes and material handlers.

## Scalability

A Generac Modular Power System can be expanded as facilities grow. There is no need to replace the system if future power requirements exceed projections and no need to over-spend on a larger system that might never be fully utilized.

## Flexibility

MPS modules provide unmatched flexibility because they can be placed in any configuration — side by side, end to end, together or apart. In addition, they are light enough for most rooftop applications.

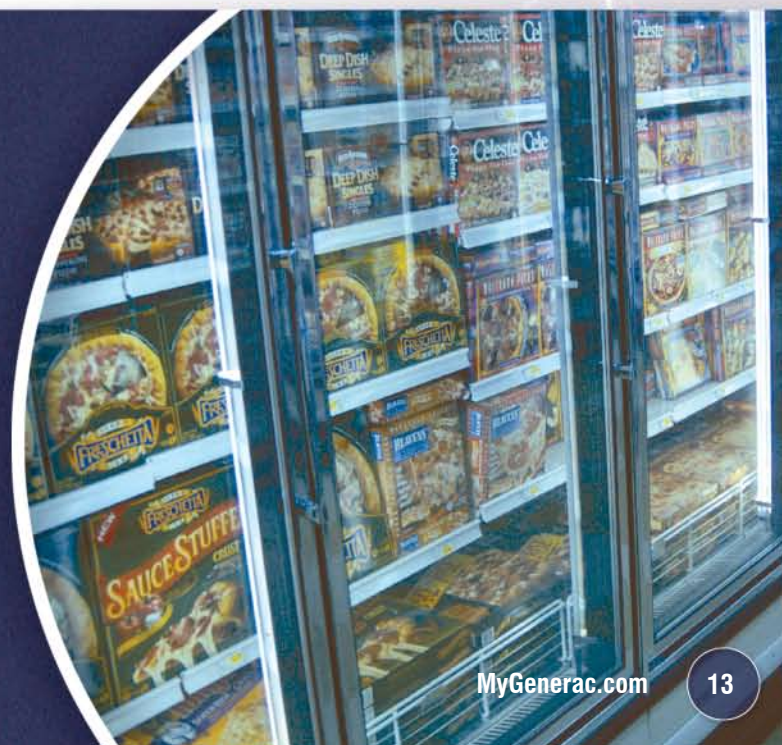
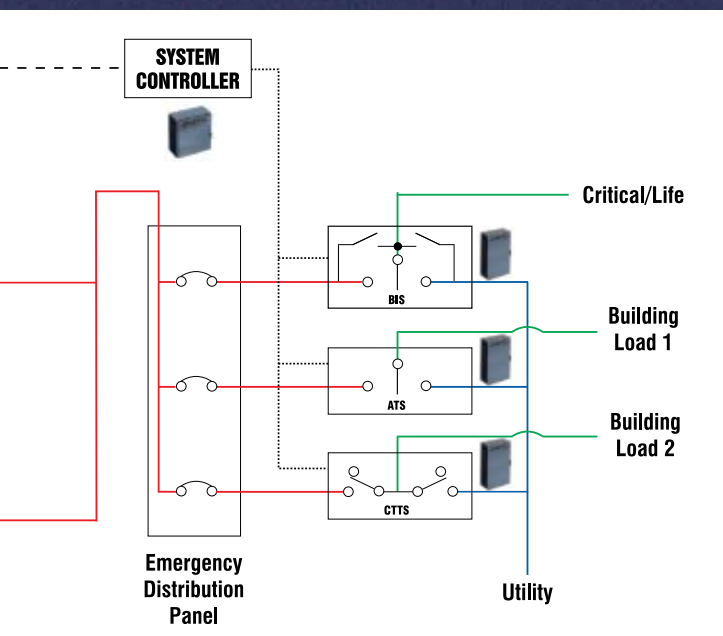
## *MQT100 and MQT150 Models Available Through Generac Industrial Dealers*

Installation, start-up and servicing of Modular Power Systems require specialized knowledge and expertise. Generac Industrial Dealers have factory-trained personnel to ensure that your customers get the best possible solution, fast delivery and professional installation and start-up.

## *Generac Industrial Dealer Products and Services*

Generac Industrial Dealer certified service technicians are fully trained on all QT Series generators and can provide your customers with hassle-free maintenance and service agreements.

If a customer needs a diesel-powered generator or a generator size that is beyond the scope of the QT Series line, a Generac Industrial Dealer can meet requirements up to 9,000 kW.





Model  
# 005239-0

## PowerMaster™

During an extended power outage, humidity inside the home can increase rapidly, especially in southern and coastal areas. This excessive moisture provides a perfect breeding ground for thousands of varieties of mold, many of which can cause serious respiratory problems. Once established, many of these mold colonies remain long after the home has dried out. That's why Generac made air conditioning the top priority circuit in our PowerMaster priority load management controller.

When the thermostat signals the air conditioning to start, power is automatically diverted from non-critical automatic loads so the air conditioner can start. When the air conditioner completes its cycle and shuts off, non-critical loads such as a water heater or well pump can continue operation.

The PowerMaster can control two major loads up to 30 Amps each. For applications where more than two large, non-critical loads must be controlled, up to four PowerMaster controllers can be connected to a single generator.

PowerMaster makes whole-house coverage more affordable than ever before.

## Distributed Load Center

Generac offers three models of automatic transfer switches for homeowners who choose to back up selected circuits rather than the entire house. Our distributed load center models are available with a choice of 10, 12 or 16-circuits.



## DISTRIBUTED LOAD CENTER SPECIFICATIONS

Amps	100	100	100
Voltage	120/240, 1Ø	120/240, 1Ø	120/240, 1Ø
Load Transition Type	Open	Open	Open
Total Circuit Breakers	10	12	16
Breakers	1 x 20 Amp, 2 pole 1 x 30 Amp, 2 pole 3 x 15 Amp, 1 pole 3 x 20 Amp, 1 pole —	1 x 40 Amp, 2 pole 1 x 30 Amp, 2 pole 3 x 20 Amp, 1 pole 5 x 15 Amp, 1 pole —	1 x 50 Amp, 2 pole 1 x 40 Amp, 2 pole 1 x 20 Amp, 2 pole 5 x 20 Amp, 1 pole 5 x 15 Amp, 1 pole
Enclosure Type	NEMA 1	NEMA 1	NEMA 1
Express Install Kit Included	Yes	Yes	Yes
Withstand Rating (Amps)	10,000	10,000	10,000
External Dimensions (H" x W" x D")	27 x 13 x 7	27 x 13 x 7	27 x 13 x 7

Generac makes installation easy and inexpensive. All distributed load center models include:

- 30 ft. pre-wired conduit for connecting the transfer switch to the external connection box
- 2 ft. pre-wired conduit for moving circuits from the main panel to the transfer switch
- Pre-wired external connection box with a weather-proof conduit for generator connections
- UL listed wire nuts

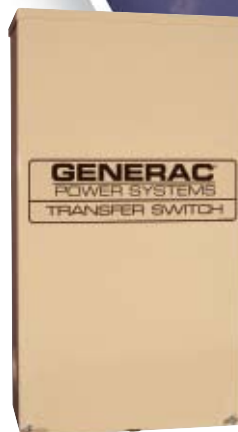
# RTS Transfer Switch

## 100 – 400 Amp

Generac RTS automatic transfer switches are designed for a wide variety of applications that require up to 400 Amps. Models include 100, 200 and 400 Amp service entrance rated switches that eliminate the need for a separate service disconnect when covering all of the loads in the building.



100 – 400 Amp



100 – 400 Amp  
Service Entrance Rated

## RTS TRANSFER SWITCH SPECIFICATIONS

Amps	100	100	200	200	400	400
Voltage	120/240, 1Ø 120/208, 3Ø 120/240, 3Ø 277/480, 3Ø	120/240, 1Ø — — —	120/240, 1Ø 120/208, 3Ø 120/240, 3Ø 277/480, 3Ø	120/240, 1Ø — — —	120/240, 1Ø 120/208, 3Ø 120/240, 3Ø —	120/240, 1Ø — — —
Load Transition Type (Automatic)	Open Transition	Open Transition Ser. Ent. Rated	Open Transition	Open Transition Ser. Ent. Rated	Open Transition	Open Transition Ser. Ent. Rated
Enclosure Type	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R
Express Install Kit Included	No	No	No	No	No	
Withstand Rating (Amps)	10000 - 1Ø 14000 - 3Ø	10000 - 1Ø —	10000 - 1Ø 25000 - 3Ø	10000 - 1Ø —	18000 - 1Ø 18000 - 3Ø	22,000
External Dimensions (H" x W" x D") 120/240, 1Ø & 120/208, 3Ø 277/480, 3Ø	24 x 20 x 7 36 x 24 x 10	24 x 13 x 7	20 x 15 x 7 48 x 30 x 12	24 x 16 x 7	36 x 24 x 10	40 x 31 x 10.5
Unit Weight (lbs.) 120/240, 1Ø 120/208, 3Ø 277/480, 3Ø	31 49 95	39 — —	31 49 105	42 — —	88 107 —	134 — —

SPECIFICATIONS

# HTS Transfer Switch



## 100 – 800 Amp

Generac HTS automatic transfer switches are carefully constructed to ensure superior performance and are designed for simple monitoring, operation and maintenance. The HTS is integrated and operates only with QT Series models equipped with the PowerMaster™ H-100 and MQT models with the PowerManager G-200 Controllers. All switch components are front adjustable and front removable for optimum serviceability.



All units  
are UL 1008  
Listed

UL 1008 Listing is your assurance that Generac transfer switches meet the most stringent safety and performance standards.



### HTS TRANSFER SWITCH SPECIFICATIONS

Amps	100	150	200	300
Poles	2/3	2/3	2/3	2/3
Voltage	120/240, 1Ø 120/208, 3Ø 120/240, 3Ø 277/480, 3Ø	120/240, 1Ø 120/208, 3Ø 120/240, 3Ø 277/480, 3Ø	120/240, 1Ø 120/208, 3Ø 120/240, 3Ø 277/480, 3Ø	120/240, 1Ø 120/208, 3Ø 120/240, 3Ø 277/480, 3Ø
Load Transition Type (Automatic)	Open Transition	Open Transition	Open Transition	Open Transition
Enclosure Type — standard optional	NEMA 1 NEMA 3R/NEMA 12	NEMA 1 NEMA 3R/NEMA 12	NEMA 1 NEMA 3R/NEMA 12	NEMA 1 NEMA 3R/NEMA 12
Withstand Rating (Amps - LV/HV)	14000	10000/25000	10000/25000	18000/35000
Exerciser	7-day Programmable	7-day Programmable	7-day Programmable	7-day Programmable
External Dimensions (H" x W" x D")				
Low Voltage	36 x 24 x 10	36 x 24 x 10	36 x 24 x 10	36 x 24 x 10
High Voltage	36 x 24 x 10	48 x 30 x 12	48 x 30 x 12	48 x 30 x 12
Unit Weight (lbs. - LV/HV)	105/120	110/145	110/145	130/165

Amps	400	600	800
Poles	2/3	2/3	2/3
Voltage	120/240, 1Ø 120/208, 3Ø 120/240, 3Ø 277/480, 3Ø	120/240, 1Ø 120/208, 3Ø 120/240, 3Ø 277/480, 3Ø	120/240, 1Ø 120/208, 3Ø 120/240, 3Ø 277/480, 3Ø
Load Transition Type (Automatic)	Open Transition	Open Transition	Open Transition
Enclosure Type — standard optional	NEMA 1 NEMA 3R/NEMA 12	NEMA 12 NEMA 3R	NEMA 12 NEMA 3R
Withstand Rating (Amps - LV/HV)	18000/35000	42000	65000
Exerciser	7-day Programmable	7-day Programmable	7-day Programmable
External Dimensions (H" x W" x D")			
Low Voltage	36 x 24 x 10	66 x 36 x 20	66 x 36 x 20
High Voltage	48 x 30 x 12	66 x 36 x 20	66 x 36 x 20
Unit Weight (lbs. - LV/HV)	130/165	650	680



# Generator Sizing Reference

## MOTOR LOAD REFERENCE — AC AND HEAT PUMPS\*

Capacity	HP	Running kW	Running Load (Amps)				Starting kW	Starting Load (LR Amps)			
			240V 1Ø	208V 3Ø	240V 3Ø	480V 3Ø		240V 1Ø	208V 3Ø	240V 3Ø	480V 3Ø
1 Ton (12,000 BTU)	1	1	5	3	3	1	2.5	33	22	19	10
2 Ton (24,000 BTU)	2	2	10	7	6	3	5	67	44	38	19
3 Ton (36,000 BTU)	3	3	15	10	8	4	7.5	100	67	58	29
4 Ton (48,000 BTU)	4	4	20	13	11	6	10	133	89	77	38
5 Ton (60,000 BTU)	5	5	25	16	14	7	12.5	167	111	96	48
7.5 Ton (85,000 BTU)	7.5	7.5	37	24	21	11	17	219	146	126	63
10 Ton (120,000 BTU)	10	10	49	33	28	14	20	250	167	144	72

\*Guidelines only. Check data plates for actual requirements.

## MOTOR LOAD REFERENCE — GENERAL RESIDENTIAL\*

Description	HP	Running kW	Running Load (Amps)		Starting kW	Starting Load (LR Amps)	
			120V 1Ø	240V 1Ø		120V 1Ø	240V 1Ø
Refrigerator, sump pump, furnace, garage door opener	0.5	0.5	4.9	2.5	1.5	25	13
Freezer, washer, septic grinder	0.75	0.75	7.4	3.7	2.3	38	19
General 1 hp	1	1	9.8	4.9	3	50	25
Well pump, septic lift pump	2	2	19.6	9.8	6	100	50

\*Guidelines only. Check data plates for actual requirements.

## NON-MOTOR LOAD REFERENCE — GENERAL RESIDENTIAL\*

Description	kW	Running Load (Amps)	
		120V 1Ø	240V 1Ø
Electric Heat (per 1000 ft²)	12	NA	50
Heat Pump Elements (per 1000 ft²)	7	NA	29
Electric Dryer	5.5	NA	23
Hot Tub	10	NA	50
Electric Range (Oven)	5	NA	21
Stovetop Burners (each)	1.5	NA	6

Description	kW	Running Load (Amps)	
		120V 1Ø	240V 1Ø
General Receptacles (per 1000 ft²)	1	8.3	NA
General Lighting (per 1000 ft²)	0.75	6.3	NA
Blow Dryer	1.25	10.4	NA
Dishwasher	1.5	12.5	NA
Microwave	1	8.3	NA
Toaster	1	8.3	NA

\*Guidelines only. Check data plates for actual requirements.

## POWER CONVERSION TABLE

Rated Amps (60 Hz @ specified power factor)				
kW	1Ø, 120/240 V - 1.0 pf	3Ø, 120/208 V - 0.8 pf	3Ø, 120/240 V - 0.8 pf	3Ø, 277/480 V - 0.8 pf
7	29	NA	NA	NA
10	42	NA	NA	NA
13	54	NA	NA	NA
16	67	NA	NA	NA
18	75	62	54	NA
20	83	69	60	NA
25	104	87	75	NA
30	125	104	90	45
35	145	121	105	53
45	188	156	135	68
60	250	208	180	90
70	292	243	210	105
80	333	278	240	120
100	417	347	301	150
130	542	451	391	195
150	625	520	451	226

# Product Selection Guide

## QT SERIES GENERATORS

kW Rating	Engine	Description
18	1.6 L	1800 RPM
20	1.6L	3600 RPM
25	1.6L	3600 RPM
25	2.4L	1800 RPM
30	1.6L	3600 RPM
35	4.2L	1800 RPM
45	2.4L	3600 RPM
45	4.2L	1800 RPM
60	3.0L	3600 RPM
70	6.8L	1800 RPM
80	4.6L	3600 RPM
100	5.4L	3600 RPM
100	6.8L	2300 RPM
130	6.8L	3000 RPM
150	6.8L	3600 RPM

Voltage
A 120/240, 1ø
G 120/208, 3ø
J 120/240, 3ø**
K 277/480, 3ø

Fuel*
N Natural Gas
V Liquid Propane Vapor

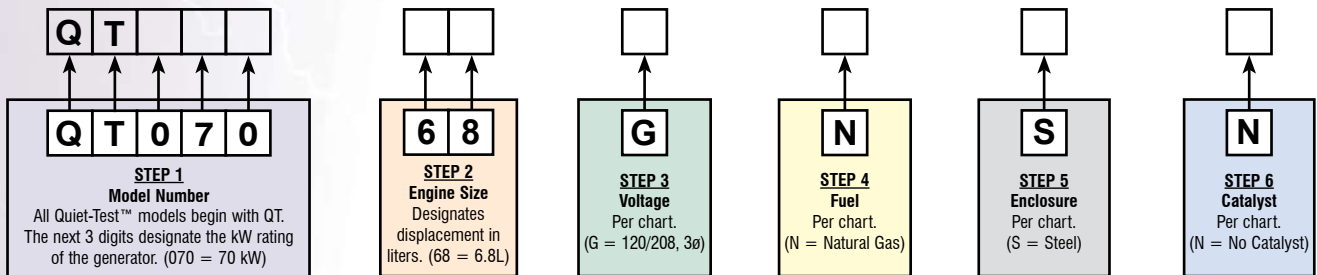
Enclosure
S Steel (Standard)
A Corrosion Resistant Aluminum

Emissions Compliant Catalytic Converter
N No Catalyst
Y Catalyst & A/F Ratio

\* The QT045 and smaller models are configured for natural gas at the factory and can be easily field converted for LP operation.

\*\* Consult factory for availability.

## Product Number (Enter on Order Form)



Consult factory for optional modem, and GenLink® software for 70 kW and larger models.

## Portable and Air-cooled Generators and PowerMaster™: Enter the model number on Order Form

## TRANSFER SWITCHES

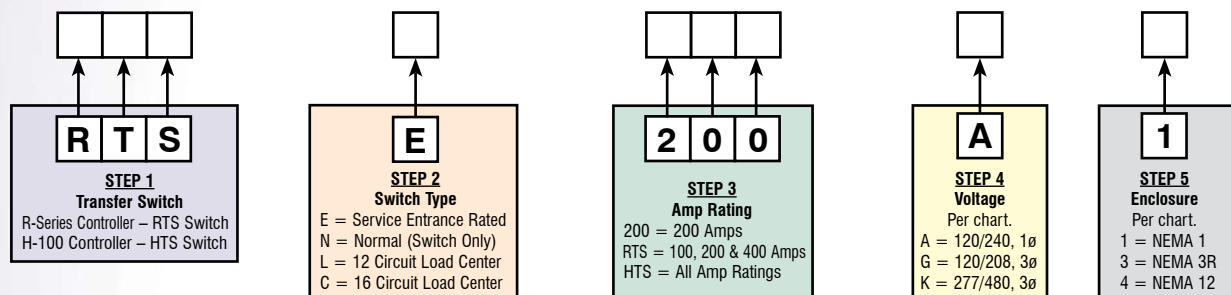
Selection Criteria	Transfer Switch	Type	Type N Amp Rating	Voltage	Enclosure Type
With Main Service Entrance Breaker – 100, 200 & 400 Amp	RTS <sup>1, 2</sup>	E	100	A 120/240, 1ø	1 NEMA 1
With 10 Circuit Load Center – 100 Amp	RTS <sup>1, 2</sup>	T	150	G 120/208, 3ø	3 NEMA 3R
With 12 Circuit Load Center – 100 Amp	RTS <sup>1, 2</sup>	L	200	J 120/240, 3ø	4 NEMA 12
With 16 Circuit Load Center – 100 Amp	RTS <sup>1, 2</sup>	C	300	K 277/480, 3ø	
Standard transfer switch, all voltages, 100–400 Amps, for models with the R-Series Controller	RTS <sup>3</sup>	N	400		
All switches for models with H-100 Controller, all voltages, 100–800 Amps	HTS <sup>4, 5</sup>	N	600		
			800		

NOTE: Generators with:  
• R-Series Controllers need RTS switches  
• H-100 Controllers need HTS switches

<sup>1</sup> Single-phase only  
<sup>2</sup> NEMA 1 enclosure only  
<sup>3</sup> NEMA 3R enclosure only

<sup>4</sup> Up to 400 Amps available in NEMA 1, NEMA 3R and NEMA 12  
<sup>5</sup> 600 and 800 Amp switches available in NEMA 12 and NEMA 3R

## Product Number (Enter on Order Form)



## ACCOUNT

Purchase order number: \_\_\_\_\_

P.O. contact phone number: \_\_\_\_\_

Freight Terms:\* ☒ Prepaid ☐ Collect ☐ Third-party

QTY	PRODUCT (QT NUMBER) MODEL NUMBER	DESCRIPTION	REQUESTED SHIP DATE**	PRICE EACH	PRICE EXTENDED
TOTAL PRICE					

**SPECIAL INSTRUCTIONS:**

\*\* Requested ship dates *BEFORE* standard lead times may incur expediting fees.



## WAUKESHA, WISCONSIN

**305,000 ft<sup>2</sup>**

Water-cooled gensets,  
transfer switches and  
control panels

## EAGLE, WISCONSIN

**255,000 ft<sup>2</sup>**

Water-cooled gensets,  
metal fabrication  
and electrostatic  
powder paint



## WHITEWATER, WISCONSIN

**500,000 ft<sup>2</sup>**

Home standby  
systems, OHVI®  
air-cooled engines,  
Guardian® products  
and RV generators



## MAQUOKETA, IOWA

**145,000 ft<sup>2</sup>**

High output Modular  
Power Systems



## *A Tradition of Quality — and Innovation*

For over 45 years, Generac Power Systems has led the industry with innovative design and superior manufacturing. When it comes to developing products that are both durable and reliable, we stand head and shoulders above our competition. That's because our sole focus has been, and continues to be, standby power. The result of our efforts can be seen in every inch of our product offerings.

Our vertical integration allows us to control the quality, availability and flow of materials throughout the manufacturing process. We design and build our own air-cooled engines, alternators, control systems, automatic transfer switches, enclosures and base tanks (for diesel and Bi-Fuel™ models). Our products are fully integrated as complete power systems and each genset is factory tested prior to shipment.

Because of our ongoing commitment to quality and innovation, Generac is the name that home and business owners have come to trust.

## *Commitment to Service*

Generac is committed to providing our customers with unsurpassed after-the-sale service support. We have the largest certified generator service organization and our nationwide dealer network maintains large inventories of Generac parts, components and accessories.

Our two corporate training centers in Whitewater and Eagle, Wisconsin operate year-round to ensure that Generac service technicians are always up to date on new product innovations and improvements. In our "Three Phase" service course, technicians receive comprehensive technical training and extensive hands-on experience in the installation, repair and maintenance of Generac products.

Generac's commitment to service includes scheduled maintenance programs, warranty assistance and emergency service to ensure that Generac customers are never left in the dark.

## *Warranty Protection*

Generac air-cooled generators are covered by a three-year limited warranty. Our liquid-cooled models and transfer switches come with a two-year limited warranty, giving you the assurance of full factory support for your entire power system.

**GENERAC®**  
POWER SYSTEMS, INC.

Generac Power Systems, Inc.  
Highway 59 & Hillside Road  
P.O. BOX 8

Waukesha, WI 53187  
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