

Generator features

Natural gas/liquid propane fuel setup

The 8 - 48 kW units ship from the factory ready for use with natural gas. The conversion to propane is as simple as flipping a switch on 10, 14, 17, and 20kW units. Remove the air filter cover and pull out the rod to convert to propane. 8kw and 22-48kW models require a few additional conversion steps referenced in the owners manual.

Natural Gas - pin in



Liquid Propane - pin out



Exhaust enclosure

Verify spacing with local code and inspector, prior to installation. Typically, the generator must be placed away from any opening in the house due to exhaust regulations from NFPA guidelines.

Wind resistant housing

150 MPH wind resistant design on both steel and aluminum units, ASCE 7 Standards. Electrostatically applied textured epoxy paint for added durability.

Composite base

Air cooled units are provided with composite mounting pad. Liquid cooled units require a concrete slab.

Oil dipstick, low oil switch, high temperature switch, oil filter, oil drain hose

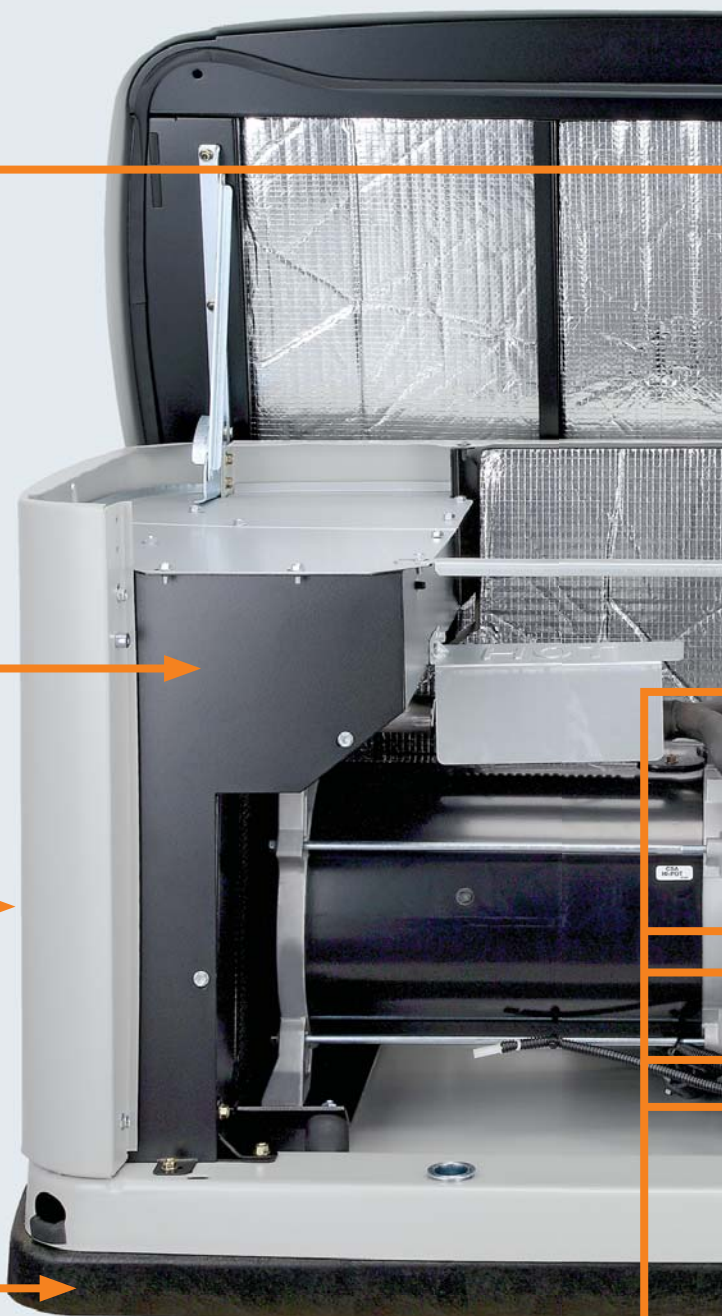
Break in periods are not required on Siemens standby generators to initiate the warranty, but are recommended.

Snap-in cover plate

Easy access for remote wireless monitor. Refer to page 22 for monitor offering.

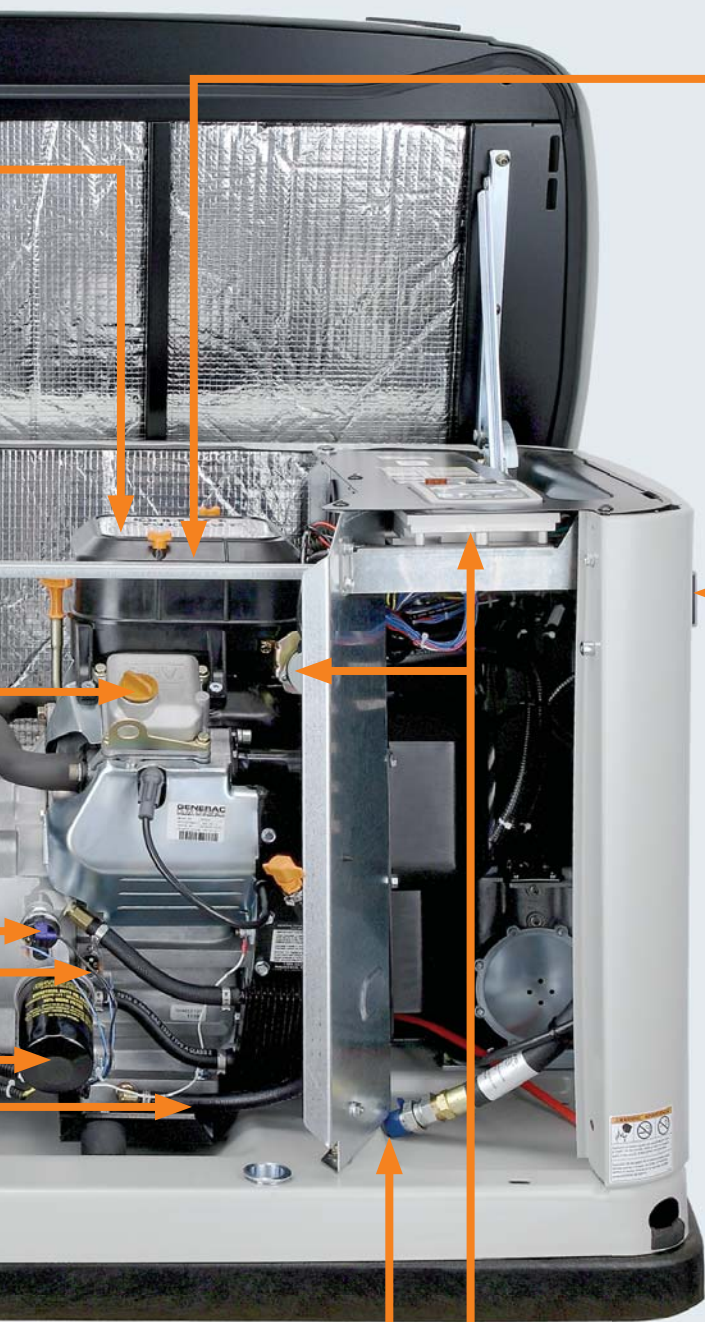
Fuel line connection

A section of UL or AGA approved flexible fuel line is required to protect the rigid fuel line connections against generator vibration. 1' flexible fuel line connector is included.



Generator back view





Air filter

Prolong the life of your engine through routine maintenance and ensure warranty requirements are met.

Maintenance is recommended annually or every 200 hours.

Refer to page 21 for maintenance kit offerings.



External breaker connections

180° swing door capability and prop rod allows full range of motion for ease of access during installation as well as servicing on 80-20 kW units.

External mainline circuit breaker

Power shutdown eliminates the need to open the enclosure. Meets fire marshal code.



Three LED indicator lights included on all models

- Green = Generator OK
- Yellow = Maintenance needed
- Red = Contact dealer

Control panel

Nexus controller functions include monitoring utility power, triggering the automatic transfer switch, starting and stopping the generator, exercising the generator, and monitoring the generator for any system faults. Combines the voltage regulator, engine control board and battery charger into one single item - Brings more functionality to the generator control for a smarter power solution

Product Activation is required on all Nexus Controlled Models 8-150kW to engage automatic transfer mode. Generator will operate in manual mode until activation code is entered. Easy, one-time activation process can be completed in shop or on-site.

Data label is located inside the generator. Serial number is required for generator activation.



Battery compartment

Batteries are not included with 8-60kW units and must be purchased separately. The recommended battery for 8-45kW and 60kW models is a 26 frame battery capable of 525-550cca. Refer to page 23 for 26R battery. The recommended battery for a 48kW model is a Group 24F 525cca, 12V battery.



Catalog Logic

Easy order selection guide

Standby power generators		kW ratings ^①	Voltage R = 120/240V, 1Ø C = 120/208V, 3Ø J = 120/240V, 3Ø I = 277/480V, 3Ø	Fuel G = Natural Gas P = Liquid propane vapor B = Accepts both	Enclosure S = Steel A = Aluminum	Speed Blank = 3600 RPM L = 1800 RPM T = Turbo Charge ^②	Emissions E = Catalyst ^③
Air cooled	ASGN	8	R	B	S		
		10	R	B	S		
		14	R	B	S		
		17	R	B	S, A		
		20	R	B	A		
Liquid cooled	SGN	22	R, C, J	B	A	L	
		25	R, C, J	B	S		
		27	R, C, J	B	A	L	
		30	R, C, J	B	S		
		36	R, C, J, I	B	A	L	
		45	R, C, J, I	B	S		E
		48	R, C, J, I	B	A	L	E
		60	R, C, J, I	G, P	S, A	T	
		70	R, C, J, I	G, P	A	L	E
		80	R, C, J, I	G, P	A		
		100	R, C, J, I	G, P	A	L ^④	E
		130	R, C, J, I	G, P	A		E
150	R, C, J, I	G, P	A		E		
Transfer Switches ST = Indoor Branch Circuit SL = Outdoor LoadShedding		Amperage	Voltage R = 120/240V, 1Ø C = 120/208V, 3Ø J = 120/240V, 3Ø I = 277/480V, 3Ø	Service disconnect Blank = No D = Yes	Branch circuits		
ST		100	R		10C, 12C, 14C, 16C		
SL		100, 150, 200, 400, 600, 800	R, C, J, I	Blank, D ^⑤			

① 2300 RPM

② 3600 RPM

③ Catalyst option on 45, 48, and 70kW models. Catalyst factory installed on 100-130kW models.

Catalyst meets CARB/EPA requirements for CA and MA. 36, 60, and 80kW models do not meet CARB/EPA requirements for CA and MA.

④ Disconnect only available on 100, 150, 200, and 400A SL single phase transfer switches.

⑤ Battery not included with 8-60kW. Refer to page 23 for 26R battery. The recommended battery for a 48kW model is a Group 24F 525cca, 12V battery.

Liquid cooled standby generators

1800, 2300, and 3600 RPM, 120/240V 1-phase



Standard features

- UL 2200 Listed
- Meets EPA Emission Regulations
- Operate on either natural gas or propane vapor^①
- Automatic high temperature, low coolant, low oil pressure, and over speed shutdown
- Automatic voltage regulator with over voltage protection
- Isochronous Electronic Governor
- Safety fuse included
- Smart Battery Charger
- Quiet run weekly self test
- Provided with Type "N" Nexus controller

Catalog no.	kW rating ^②	Fuel	Enclosure	Engine size	Speed	Weight (lbs.)	Dimensions (in.)
SGN022RBAL	22	Both ^①	Aluminum	2.4 L	1800 RPM	843	62.2 x 29 x 33.5
SGN025RBS	25	Both ^①	Steel	1.6 L	3600 RPM	875	62.2 x 29 x 33.5
SGN027RBAL	27	Both ^①	Aluminum	2.4 L	1800 RPM	891	62.2 x 29 x 33.5
SGN030RBS	30	Both ^①	Steel	1.6 L	3600 RPM	935	62.2 x 29 x 33.5
SGN036RBAL	36	Both ^①	Aluminum	2.4 L	1800 RPM	1271	76.8 x 33.5 x 45.1
SGN045RBS	45	Both ^①	Steel	2.4 L	3600 RPM	1414	76.8 x 33.5 x 45.1
SGN045RBSE ^③							
SGN048RBAL	48	Both ^①	Aluminum	4.2 L	1800 RPM	1360	76.8 x 33.5 x 45.1
SGN048RBALE ^③							
SGN060RGST	60	Natural gas	Steel	2.4 L	3600 RPM	1441	89 x 34 x 48
SGN060RPST		Liquid propane					
SGN060RGAT		Natural gas	Aluminum	3.0 L	3600 RPM	1324	
SGN060RPAT		Liquid propane					
SGN070RGAL	70	Natural gas	Aluminum	6.8 L	1800 RPM	2040	97 x 37 x 47
SGN070RPAL		Liquid propane					
SGN070RGALE ^③		Natural gas					
SGN070RPALE ^③		Liquid propane					

① Product ships ready for natural gas. Minor adjustments required for liquid propane vapor use. See owners manual.

② Catalyst factory installed to meet CARB/EPA requirements for California and Massachusetts.

③ Battery not included on liquid cooled models 22-60kW. Refer to page 23 for 26R battery.