

SENECA SENTRY V

Distributed by **G** Genrep

18KW-20KW

Residential Standby Generator
Liquid Cooled - NG/LPG
6 Year Limited Warranty



Standard Features

- Durable, compact design
- Easy operation
- 200 AMP outdoor automatic transfer Switch
- Automatic battery charger
- Factory tested (environmental/reliability)
- Sound abated enclosure
- Removable side panels for easy access
- Oversized oil pump & extra capacity pan
- Large-capacity radiator for superior performance
- EPA certified / UL2200 / cETL certified
- Comes with a cold weather kit

Dimensions/Weights

Unit weights (lbs)	772
Gross Weights (lbs)	849
Unit Size (in)	54.17 x 31.89 x 37.8
Packing Size (in)	57.87 x 35.4 x 43.4
Packing (in)	Carton+Metal Crate
20/40 Container Loading	14/30

NOTE: Dimensions are provided for reference only and should not be used for planning installation.

Controller Features

- Automatic & manual mode
- Integrated engine speed control
- Oil pressure, engine temperature , battery charging, speed, and voltage related fault monitoring
- Crank status monitoring and over crank protection



Wi-fi Connectivity

- Remote monitoring and control from a connected device
- Expandable modules
- Maintenance history and maintenance
- Monitor your generator status as you conduct routine maintenance and start-ups
- Smartgencloud app available on either Google Play or App Store

Model	Phase	Voltage (V)	Frequency (HZ)	Rated Amps* (NG.LPG Fuel)	Circuit Breaker (Amps)
Sentry20-1	1	120/240	60	75.0/83.3	84
Sentry20-3	3	120/208	60	62.5/69.5	70

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De-rating guidelines: Engine power available up to 1005m (3300ft) at ambient temperatures up to 40°C (104°F). Above these evaluations de-rate at 4% per 305m (1000 ft.) and 2% per 10 above 40°C(104°F)

Specifications

Generator Specifications

Rated Power (NG/LPG)	Single	18KW / 20 KW
	Three	22.5KVA/25KVA
Max Power (NG/LPG)	Single	19.8KW/22KW
	Three	24.7KVA/27.5KVA
Power Factor	Single	1
	Three	0.8
Rate Frequency		60
Rated Speed		3600

Alternator Specifications

Rated Power	20KW
Alternator Type	Synchronous. Revolving field
Pole	2 Pole
Rotor/Stator Insulation Class	F
Protection Level	IP23
Winding Material	Copper
Sea Level	≤3280ft
Coupling	Direct Coupling

Engine Specifications

Engine Type	4 Cyclinder Inline, 4 Stroke Cycle
Displacement	0.998 Liters (60.9 in)3
Bore	65.5mm (2.52 in)
Stroke	74 mm (2.91 in)
Compression Ration	9.5:1
Ignition System	ECM
Cooling System	Closed Liquid Cooled
Coolant Capacity	5L

Air Intake System	Naturally Aspired
Starter Motor Voltage	DC 12V/0.8KW Electric Start
Battery Charge Alternator	DC 14V/70A
Oil Capacity	4/0 Liters
Air cLearner Type	Dry
(CCA) rating for -18°C (0°F)	550
Coolant Temp	-40°C~106°C
Radiator Fan	7 BladeΦ380

Generator Performance

Governor Regulation Class	ISO 8528 Part 1 Class G2
Governor Type	ECM
Voltage Regulation	±1.0%
Random Voltage Variations	±1.0%
Frequency Regulation	Isochronous
Frequency, Steady State	±0.5%@60Hz
Sound - Genset in Exercise Mode*	64 dB(A) at 23 ft (7m)
Sound- Genset in Normal Mode*	72 dB(A) at 23 ft (7m)

Fuel System

Fuel Type	Natural Gas or LPG
Fuel Supply Pressure, kPa (in,H2O):	NG: 1.2 - 3.5 (5-14). LPG: 1.7-3.5(7-14)
Fuel Pipe Size	G 3/4 Pipe
Fuel Pipe Length	<33ft
Fuel consumption @50% (NG)	178ft ^{3/h}
Fuel consumption @ 100% (NG)	286ft ^{3/h}
Fuel consumption @ 50% (LPG)	92.6ft ^{3/h}
Fuel Consumption @ 50%(LPG)	147ft ^{3/h}

Available Accessories

Battery Heater	Cold Weather Kit
Battery	Automatic Transfer Switch

Nominal fuel rating: Natural gas: 37 MJ/m³ (1000 Btu/ft³)
 LPG: 93 MJ/m³ (2500 Btu/ft³)
 LPG conversion factors: 8.58 ft³= 1 lb
 0.535 m³ = 1 kg 36.39 ft³ = 1 gal

Contact Information:

Address:

Phone:

Email:

Website:

Please contact your local dealer for parts, warranty, maintenance, and service.

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