



18kW-20kW

SENECA SENTRY V



Standard Features

- Durable, compact design
- Easy operation
- 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,

Dimensions / Weights

Unit Weight (lbs)	772
Gross Weight (lbs)	849
Unit Size (in)	54.17×31.89×37.8
Packing size (in)	57.87×35.4×43.3
Packing	Carton+Metal Crate
20/40 Container Loading	14/30

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

Commercial Stand-by Generator
Liquid Cooled - NG / LPG
3 Year Limited Warranty

Controller Features

- Automatic and manual mode
- Integrated engine speed control
- Oil Pressure, engine temperature, battery charging, speed, and voltage related fault monitoring
- Crank status monitoring and overcrank 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 Apple Store

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

*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

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Generator Specifications

Rated Power (NG/LPG)	Single	18kW/20KW
	Three	22.5KVA/25KVA
Max Power (NG/LPG)	Single	19.8KW/22KW
	Three	24.7KVA/27.5KVA
Power Factor	Single	1.0
	Three	0.8
Rated Frequency (Hz)		60
Rated Speed (RPM)		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 Cylinder Inline, 4 Stoke cycle	Air Intake System	Naturally Aspired
Displacement	0.998 Liters (60.9 in) ³	Starter motor voltage	DC 12V/0.8KW Electric start
Bore	65.5 mm(2.52 in)	Battery Charge Alternator	DC 14V/70A
Stroke	74 mm(2.91 in)	Oil Capacity	4.0 liters(244.1 in) ³
Compression Ratio	9.5:1	Air Cleaner Type	Dry
Ignition System	ECM	Cold cranking amps: (CCA) rating for -18°C (0°F)	550
Cooling system	Closed Liquid Cooled	Coolant Temp	-40°C ~ 106°C
Coolant Capacity	5L	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 Stat	± 0.5% @ 60 Hz
Sound - Genset in exercise mode*	64 dB(A) at 23 ft (7 m)
Sound - Genset in normal mode*	72 dB(A) at 23 ft (7 m)

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 3/4pipe
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@ 100%(LPG)	147ft ³ /h

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

Available Accessories

Battery Heater	Cold Weather Kit
Battery	Automatic Transfer Switch