

## Features

### Briggs & Stratton Vanguard Engine

Premium-grade Vanguard engines are application-engineered to power equipment that works for a living.

### Sure Flow Cooling System

The three cooling intakes provide exceptional air flow and reduced heatsoak.

### DSE 3110 Digital Controller

Provides detailed operating and diagnostic information through its digital display.

### Prime Power Ready

This unit is appropriate for either Emergency Standby or Prime Power applications like powering remote water pumps.

### Battery Charger

A Guest 3-Stage battery charger included.

### 100% Load Tested

No statistical sampling here. We load test every generator before it leaves our facility.

### Galvanealed Steel Weather Enclosure

Industrial galvanealed steel housing with powder-coat paint to withstand the elements.

## PACKAGED STANDBY SYSTEMS

**8,400 Running Watts-LP**

**7,600 Running Watts-NG**



Shown with optional solar panel and receptacles.

## Optional Accessories

### Engine Oil Heater

Keeps oil warm in frigid climates for easier starts and minimizes engine wear.

### Battery Heater

Keeps battery warm for maximum power output at start-up and reduces condensation.

### ASCO Automatic Transfer Switch

Safely restore power to critical circuit breakers.

### Vapor Fuel Strainer

Keep the fuel line free from debris that could cause damage to your engine.

### Battery

We offer a group 26 500 CCA battery.

### Solar Panel Charger & External Receptacles

12V Solar panel charger with L-14-20 20 Amp and 5-20 20 Amp duplex receptacles externally mounted in weather-proof enclosures for off grid applications.

### Maintenance Kit

Keep the engine at its peak performance.

## GENERATOR SET

OUTPUT	LP GAS <sup>(1)</sup>			NATURAL GAS <sup>(1)</sup>			CIRCUIT BREAKER
	WATTS	KVA	AMPS <sup>(2)</sup>	WATTS	KVA	AMPS <sup>(2)</sup>	AMPS
120/240V 1-PH	8,400	8.4	35	7,600	7.6	32	35

Notes: (1) Review 'Derating Factors' while sizing this generator for your specific application. The solar panel option has a 25 Amp circuit breaker. (2) Unity (1.0) power factor.

## GENERATOR

VOLTAGE REGULATION	+/-5%
TOTAL HARMONIC DISTORTION	<5%
TEMPERATURE RISE	125°/40° C
PHASE	SINGLE
TYPE	2 POLE ROTATING FIELD
BRUSHLESS	YES
GENERATOR SPEED	3600 RPM
VOLTAGE CONTROL	CAPACITOR
ROTOR	2/3 PITCH
WINDINGS	100% COPPER
LOAD ACCEPTANCE	100% RATING/SINGLE STEP
SEALED BALL BEARINGS	1
WAVE DISTORTION	<1.5%
TELEPHONE INTERFERENCE	<2%
INSULATION	CLASS H

GENERATOR WARRANTY<sup>(1)</sup> 2 YRS

NOTES: (1) Generator warranty good for emergency and prime uses. For generator warranty information contact your local WINCO dealer.

## GENSET

MOTOR STARTING (CODE G) <sup>(1)</sup>	3 HP
PRIME APPLICATIONS	YES
STRUCTURAL CLEARANCE <sup>(2)</sup>	18 INCHES
CARB/EPA APPROVED	YES
CSA APPROVED	YES
UL2200 LISTED	YES
WINCO WARRANTY <sup>(3)</sup>	1 YR/1000 HRS

NOTES: (1) Gode G capacitor motor. (2) Ensure exhaust of unit is facing away from structures and any flammable products. (3) Unit warranty good for emergency and prime uses. For generator warranty information contact your local WINCO dealer.

## DERATING FACTORS

TEMPERATURE > 104°F	3% PER 10°F
ALTITUDE	3% PER 1000 FT
PRIME POWER	20%
MAX OPERATING TEMP	122°F/50°C

## ENGINE

BRAND	BRIGGS & STRATTON
MODEL	VANGUARD
SPEED	3600 RPM
DISPLACEMENT	570 CC/OHV
CYLINDERS	V-TWIN
LUBRICATION	FORCED W/ SPIN-ON FILTER
IGNITION	ELECTRIC
GOVERNOR	MECHANICAL
REGULATION	+/- 1.8 HZ STEADY STATE
EXHAUST	CRITICAL GRADE, GLASS-PACK
LOW OIL PROTECTION	STANDARD
HIGH OIL TEMP PROTECTION	STANDARD
RECOMMENDED OIL <sup>(1)</sup>	10W-30
OIL CAPACITY	1.5 QTS
ENGINE WARRANTY <sup>(2)</sup>	3 YRS

NOTES: (1) This oil is recommended for most applications. See Operator's Manual for more details on the appropriate oil type for your needs. (2) Contact your local Briggs & Stratton service center for engine warranty assistance.

## FUEL

FUEL CONSUMPTION	
LP	1.6 GAL/HR - 158,760 BTU/HR
NG	132 FT <sup>3</sup> /HR - 132,000 BTU/HR

### FUEL TANK SIZING

60° F (16°C)	150 GAL
32° F (0° C)	150 GAL
0° F (-18° C)	250 GAL
-20° F (-29° C)	500 GAL

### LINE SIZING<sup>(1)</sup>

UP TO 25'	3/4" PIPE
25'-100'	1" PIPE
OVER 100'	USE A 2 REGULATOR SYSTEM

INLET PRESSURE 4-6 OZ / 7"-11" WATER COLUMN

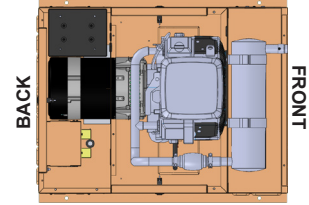
Notes: (1) Add 3' for each elbow. Do NOT use 'street ells'.

**SOUND DATA** <sup>(1)(2)</sup>

NO LOAD				FULL LOAD			
LEFT	RIGHT	FRONT	BACK	LEFT	RIGHT	FRONT	BACK
63.2	64.4	66.4	63.8	64.9	65.3	68.5	65.3

Notes: (1) All measurements are in db(a). (2) Tested at 7 meters (23 ft.).

Top View  
LEFT



RIGHT

**BATTERY**

DC SYSTEM VOLTAGE	12V
DC ALTERNATOR	ENGINE MOUNTED
BATTER RACK/CABLE	INCLUDED
BATTERY CHARGER	3 STAGE INCLUDED
REQUIRED BATTERY <sup>(1)</sup>	GROUP 26 500 CCA

Notes: (1) Battery not included

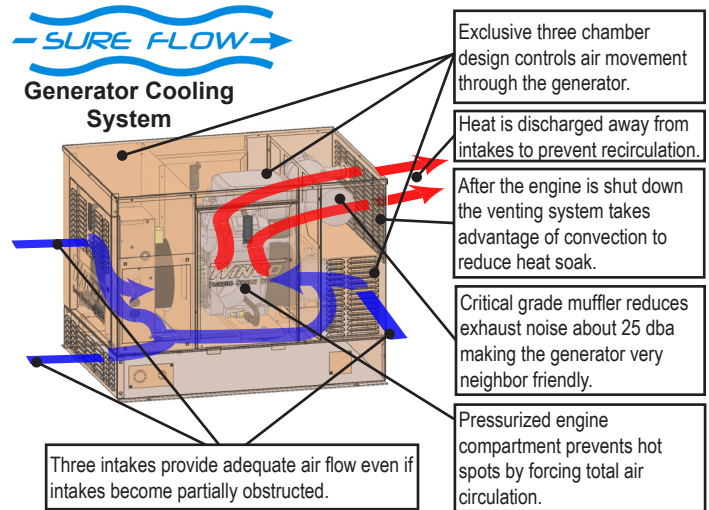
**DIMENSIONS**

DIMENSIONS (LxWxH)	36" x 29.75" x 27.375"
NET WEIGHT	388 LBS
SHIPPING DIMENSIONS	45" x 31" x 32"
SHIP WEIGHT	400 LBS
FREIGHT CLASS	70

**2-WIRE CONTROL FEATURES**

FAIL TO START	YES
FAIL TO STOP	YES
LOW OIL PRESSURE	YES
HIGH ENGINE OIL TEMP	YES
UNDER FREQUENCY/SPEED	YES
OVER FREQUENCY/SPEED	YES
LOW VOLTAGE	YES
HIGH VOLTAGE	YES
BATTERY OVER/UNDER VOLTAGE	YES
DIGITAL DISPLAY	YES

Notes: Control displays generic fault codes.



Specifications are subject to change without notice.