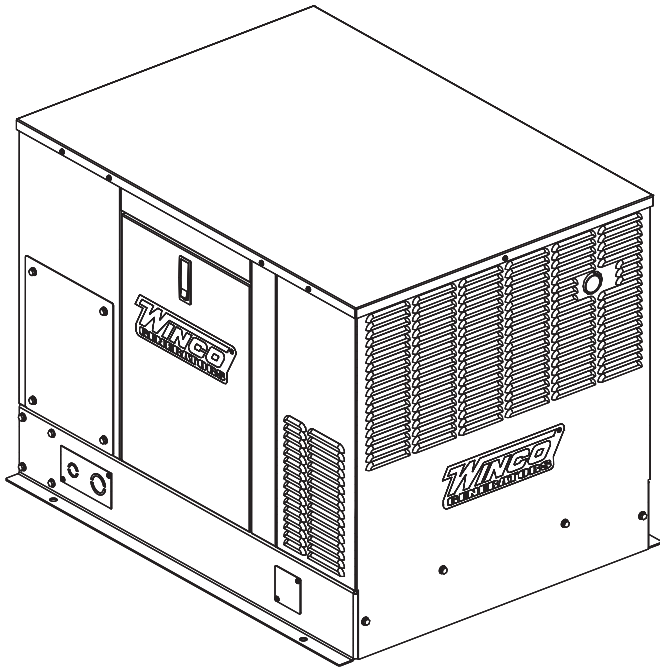


# PSS20B2W/D



Designed, engineered, and manufactured in our facility located in Le Center, Minnesota, equipped with modern engineering, fabrication and assembly capabilities.

**Briggs & Stratton Commercial Engine**  
 Premium-grade Vanguard engines are application-engineered to power equipment that works for a living.

**Full Load Tested**  
 Every generator is 100% load tested in-house.

**Rugged Design**  
 Engineered and built tough with powder coat painted galvanealed steel.

**Sure Flow Cooling**  
 Three cooling intakes provide exceptional airflow and reduce heatsoak.



VOLTS	POWER FACTOR	STANDBY					
		LP			NG		
		WATTS	KVA	AMPS	WATTS	KVA	AMPS
120/240 1-PH	1.0	17,000	17.0	71	15,000	15.0	62

MOTOR STARTING (CODE G)	5 HP
DBA @ 7 METERS	
NO LOAD	65.1
FULL LOAD	76.3
TOTAL HARMONIC DISTORTION	< 5%
MAIN CIRCUIT BREAKER	80A 240V
RECEPTACLE	5-15R DUPLEX
REQUIRED BATTERY <sup>(1)</sup>	GROUP 26 500 CCA

BATTERY CHARGER	2 AMP
ASSEMBLED IN	USA
EPA APPROVED	YES
CARB APPROVED	NO
TÜV CERTIFICATION	
CSA	YES
UL2200	YES
UNIT WARRANTY <sup>(2)</sup>	2 YEAR/2,000 HOURS

# ENGINE

ENGINE BRAND	BRIGGS & STRATTON
ENGINE MODEL	VANGUARD 613277-0120-E1
ENGINE STARTER	ELECTRIC
ENGINE SPEED	3600 RPM
ENGINE CYLINDERS	V-TWIN
ENGINE HP	35
FREQUENCY	60 HZ
LUBRICATION	FUEL-PRESSURE

BORE/STROKE	85 mm x 86 mm
DISPLACEMENT/TYPE	993 CC/OHV
EXHAUST	CRITICAL GRADE
LOW OIL PROTECTION	STANDARD
RECOMMENDED OIL <sup>(3)</sup>	5W-30 SAE
OIL CAPACITY	2.5 QT
INJECTION SYSTEM	MAGNETRON ELECTRONIC
GOVERNOR	MECHANICAL
COMPRESSION RATIO	8.2:1

# FUEL

INLET PRESSURE	4-6 OZ/7-11" WATER COLUMN
FUEL INLET SIZE	3/4"
FUEL CONSUMPTION LP	
100%	3.6 GAL/HR - 329,000 BTU/HR
75%	2.8 GAL/HR - 256,332 BTU/HR
50%	2.1 GAL/HR - 192,248 BTU/HR
25%	1.5 GAL/HR - 137,320 BTU/HR

FUEL CONSUMPTION NG	
100%	328 FT <sup>3</sup> /HR - 328,000 BTU/HR
75%	257 FT <sup>3</sup> /HR - 257,000 BTU/HR
50%	188 FT <sup>3</sup> /HR - 188,000 BTU/HR
25%	143 FT <sup>3</sup> /HR - 143,000 BTU/HR

# GENERATOR END

GENERATOR END BRAND	MECC ALTE
GENERATOR END MODEL	ECP28CL/2
PHASE	SINGLE
VOLTAGE REGULATION	AVR +/- 1%
TEMPERATURE RISE	125/40°C
BRUSHLESS	YES
SPEED	3600 RPM
ROTOR	2/3 PITCH

WINDINGS	100% COPPER
STATOR WINDING	DOUBLE LAYER CONCENTRIC
COUPLING	DIRECT/MOTOR SHAFT
BEARINGS	SINGLE (MAINTENANCE FREE)
EFFICIENCY PEAK	87.9%
INSULATION	CLASS H
INGRESS PROTECTION	IP23

# DERATES

ABOVE SEA LEVEL	
3280-9842 FT	3% EVERY 1,640 FT

MAX OPERATING TEMPERATURE	122°F
AMBIENT TEMPERATURE >104°F	3% EVERY 10°F



# DSE 3110 CONTROLLER

## ENGINE DISPLAY/PROTECTION

LOW OIL PRESSURE	YES
HIGH COOLANT TEMP	YES
LOW COOLANT	YES
OVER/UNDER SPEED	YES

## GENSET DISPLAY/PROTECTION

OVER/UNDER VOLTAGE	YES
UNDER FREQUENCY	YES

## ADDITIONAL DISPLAYS/PROTECTIONS

BATTERY OVER/UNDER VOLTAGE	YES
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## COMMUNICATIONS

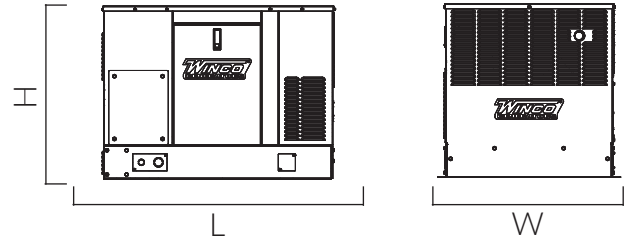
USB CONNECTABLE	YES
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## ADDITIONAL FEATURES

CONFIGURABLE INPUTS	6
CONFIGURABLE OUTPUTS	4

## SHIPPING

SHIPPING DIMENSIONS (L x W x H)	61" x 38" x 44"
SHIP WEIGHT	878 lbs
FREIGHT CLASS	70



## OPTIONAL ACCESSORIES

BATTERY	GROUP 26 500 CCA
BATTERY HEATER	300484-3
AUTOMATIC TRANSFER SWITCH	ASCO 185 ASCO 300

VAPOR FUEL STRAINER	16243-000
OIL HEATER	15809-003
MAINTENANCE KIT	16200-009

### NOTES:

- (1) Batteries not included.
- (2) For more warranty information, see operator's manual.
- (3) The recommended oil is for normal applications.  
See operator's manual for more oil recommendations.

Specifications are subject to change without notice.



Sales: 507-357-6821  
Service: 507-357-6831

