



POWERDAK

POWER PRODUCTS, LLC

Gaseous Product Line

208-600 Volt

BSNG350KWSP

60 Hz / 1800 RPM

350 kWe / 300 kWe

Standby / Prime

Ratings

	208V	240V	480V	600V
Phase	3	3	3	3
PF	0.8	0.8	0.8	0.8
Hz	60	60	60	60
Generator Model	433CSL6216	433CSL6216	433CSL6216	433PSL6248
Connection	12 LEAD WYE	12 LEAD DELTA	12 LEAD WYE	4 LEAD WYE
Standby				
kWe Nat (LP)	350 (225)	350 (225)	350 (225)	350 (225)
AMPS Nat (LP)	1216 (782)	1054 (677)	527 (339)	421 (271)
Temp Rise	130°C / 27°C	130°C / 27°C	130°C / 27°C	130°C / 27°C
Prime				
kWe Nat (LP)	300 (NA)	300 (NA)	300 (NA)	300 (NA)
AMPS Nat (LP)	1042 (NA)	903 (NA)	452 (NA)	361 (NA)
Temp Rise	105°C / 40°C	105°C / 40°C	105°C / 40°C	105°C / 40°C

Standard Equipment

Engine

- ▶ Radiator Cooled Unit Mounted (50°C)
- ▶ Blower Fan & Fan Drive
- ▶ Starter & Alternator
- ▶ Oil Pump & Filter
- ▶ Oil Drain Extension w/Valve
- ▶ Governor - Electronic Isochronous
- ▶ 24V Battery System & Cables
- ▶ Air Cleaner (Dry Single Stage)
- ▶ Flexible Fuel Connector
- ▶ EPA Certified
- ▶ MasterTrak Remote Monitoring System

Listing Certifications

- ▶ UL 2200 Listed
- ▶ cUL Listed
- ▶ CSA Certified
- ▶ Seismic Certified to IBC 2012

Generator

- ▶ Brushless Single Bearing
- ▶ Automatic Voltage Regulator
- ▶ $\pm 1\%$ Voltage Regulation
- ▶ 4 Pole, Rotating Field
- ▶ 130°C Standby Temperature Rise
- ▶ 105°C Prime Temperature Rise
- ▶ 100% of Rated Load - One Step
- ▶ 5% Maximum Harmonic Content
- ▶ NEMA MG 1, IEEE and ANSI Standards Compliance for Temperature Rise

Additional

- ▶ Microprocessor Based Digital Control
- ▶ Interface Connection Box
- ▶ Control Panel Mounted in NEMA 12 Enclosure
- ▶ Base - Structural Steel
- ▶ Main Line Circuit Breaker Mounted & Wired
- ▶ Catalyst / Silencer Mounted
- ▶ Battery Charger 24V 5 Amp
- ▶ Jacket Water Heater -20°F 4000W 240V w/Isolation Valves
- ▶ Vibration Isolation Mounts (Pad Type)
- ▶ Radiator Duct Flange (OPU Only)
- ▶ Single Source Supplier
- ▶ 2YR / 2000HR Standby Warranty
- ▶ 1YR / 1500HR Prime Warranty
- ▶ Standard Colors - White / Tan / Gray

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Application Data

Engine

Manufacturer:	Power Solutions International	Displacement - Cu. In. (lit):	1115 (18.3)
Model:	D183TIC	Bore - in. (cm) x Stroke - in. (cm):	5.04 (12.8) x 5.59 (14.2)
Type:	4-Cycle	Compression Ratio:	10.5 : 1
Aspiration:	Turbo Charged, CAC	Rated RPM:	1800
Cylinder Arrangement:	10 Cylinder Vee	Max HP Stby (kWm):	536 (400)

Exhaust System

	Standby	Prime
Gas Temp. (Stack): °F (°C)	1,350 (732)	1,350 (732)
Gas Volume at Stack Temp: CFM (m³/min)	2,366 (67.0)	2,028 (57.4)
Maximum Allowable Exhaust Restriction: in. H ₂ O (kPa)	40.8 (10.2)	40.8 (10.2)

Cooling System

Ambient Capacity of Radiator: °F (°C)	122 (50.0)	122 (50.0)
Maximum Allowable Static Pressure on Rad. Exhaust: in. H ₂ O (kPa)	0.50 (0.12)	0.50 (0.12)
Water Pump Flow Rate: GPM (lit/min)	174 (659)	174 (659)
Heat Rejection to Coolant: BTUM (kW)	20,784 (364)	17,815 (312)
Heat Rejection to CAC: BTUM (kW)	4,120 (72.1)	3,531 (61.8)
Heat Radiated to Ambient: BTUM (kW)	3,486 (61.0)	2,988 (52.3)

Air Requirements

Aspirating: CFM (m³/min)	788 (22.0)	675 (19.1)
Air Flow Required for Rad. Cooled Unit: CFM (m³/min)	36,000 (1,019)	36,000 (1,019)
Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)	Consult Factory For Remote Cooled Applications	

Fuel Consumption	Standby		Prime	
	Natural Gas	LP	Natural Gas	LP
At 100% of Power Rating: ft³/hr (m³/hr)	3,499 (99.0)	1,400 (39.6)	2,999 (84.9)	N/A
At 75% of Power Rating: ft³/hr (m³/hr)	2,727 (77.2)	1091 (30.7)	2,337 (66.1)	N/A
At 50% of Power Rating: ft³/hr (m³/hr)	1,914 (54.2)	766 (21.7)	1,640 (46.4)	N/A
Fuel Inlet Size: NPT	3.00"		3.00"	
Fuel Pressure Required: in. H ₂ O (kPa)	7.00 - 11.0 (1.75 - 2.75)		7.00 - 11.0 (1.75 - 2.75)	

Fluids Capacity

Total Oil System: gal (lit)	9.25 (35.0)
Engine Jacket Water Capacity: gal (lit)	13.2 (50.0)
System Coolant Capacity: gal (lit)	56.0 (212)

All calculations based on natural gas fuel.

Deration Factors: Temperature: Derate 1.5% Per 10°F Over 77°F Air Inlet Temperature | Altitude: Derate 2.5% Per 1,000 ft Over 1,200 ft



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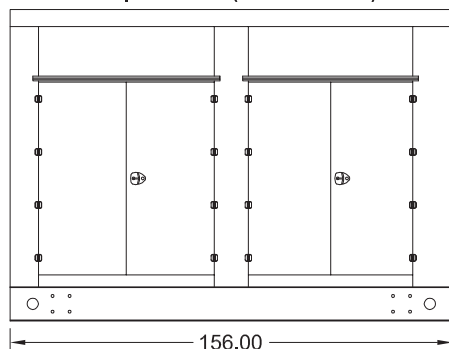
BSNG350KWSP
350 kWe / 300 kWe



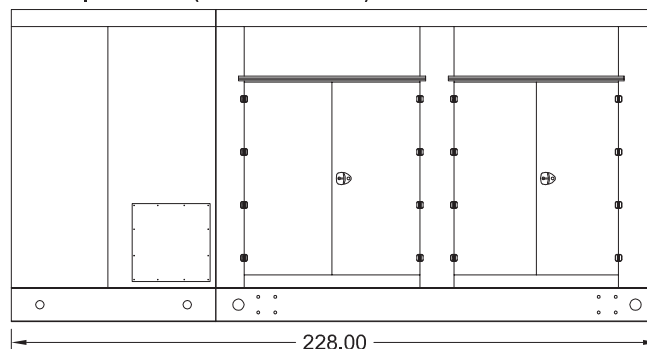
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Enclosures

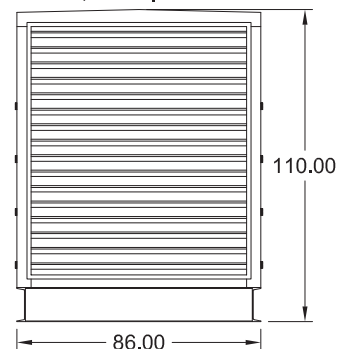
Level 1 & 2 | Side View (Weather Proof)



Level 3 | Side View (Sound Attenuated)



Level 1, 2 & 3 | Intake View



All enclosures are 150 MPH Wind Rated.

Level 2 & 3 enclosures include sound attenuation foam.

Level 3 enclosure includes frontal sound & exhaust hood.

*Enclosure height does not include exhaust stack.

All specification sheet dimensions are represented in inches. Materials and specifications subject to change without notice.

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American Made