

208-600 Volt

NG265-01 60 Hz / 1800 RPM

265 kWe Standby

Ratings

	240V	208V	240V	480V	600V
Phase	1	3	3	3	3
PF	1.0	0.8	0.8	0.8	0.8
Hz	60	60	60	60	60
Generator Model	572RSL6427	432CSL6210	432CSL6210	432CSL6210	432PSL6246
Connection	12 LEAD ZIG-ZAG	12 LEAD WYE	12 LEAD DELTA	12 LEAD WYE	4 LEAD WYE
Standby					
kWe Nat (LP)	265 (200)	265 (200)	265 (200)	265 (200)	265 (200)
AMPS Nat (LP)	1104 (833)	921 (695)	798 (602)	399 (301)	319 (241)
Temp Rise	130°C / 27°C	130°C / 27°C	130°C / 27°C	130°C / 27°C	130°C / 27°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

Listing Certifications

- ▶ UL 2200 Listed
- ▶ cUL Listed
- ▶ CSA Certified
- ▶ Seismic Certified to IBC 2018
- ▶ NFPA 110 Compliant

Generator

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

Additional

- ▶ Single Source Supplier
- ▶ 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)
- ▶ 2YR / 2000HR Standby Warranty
- ▶ Standard Colors White / Gray

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265 kWe



Application Data

Engine			
Manufacturer:	Power Solutions International	Displacement - Cu. In. (lit):	891 (14.6)
Model:	14.6L	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:	Turbocharged, CAC	Rated RPM:	1800
Cylinder Arrangement:	8 Cylinder Vee	Max HP Stby (kWm):	456 (340)

Exhaust System		Standby	
Gas Temp. (Stack): °F (°C)		1,005 (541)	
Gas Volume at Stack Temp: CFM (m³/min)		1,807 (51.1)	
Maximum Allowable Exhaust Restriction (Post Catalyst): in. H ₂ O (kPa)		11.5 (2.88)	
Cooling System			
Ambient Capacity of Radiator: °F (°C)		122 (50.0)	
Maximum Allowable Static Pressure on Rad. Exhaust: in. H ₂ O (kPa)		0.50 (0.12)	
Water Pump Flow Rate: GPM (lit/min)		139 (526)	
Heat Rejection to Coolant: BTUM (kW)		16,099 (282)	
Heat Rejection to CAC: BTUM (kW)		2,006 (35.1)	
Heat Radiated to Ambient: BTUM (kW) 2,22			
Air Requirements			
Aspirating: CFM (m³/min)		547 (15.5)	
Air Flow Required for Rad. Cooled Unit: CFM (m³/min)		29,970(848)	
Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)	Consult Factory For Remo	te Cooled Applications	
	Standby		
Fuel Consumption	Natural Gas	LP	
At 100% of Power Rating: ft3/hr (m3/hr)	2,899 (82.0)	933 (26.4)	
At 75% of Power Rating: ft3/hr (m3/hr)	2,280 (64.5)	745 (21.1)	
At 50% of Power Rating: ft3/hr (m3/hr)	1,665 (47.1)	554 (15.7)	
Fuel Inlet Size: NPT		3.00"	
Fuel Pressure Required: in. H ₂ O (kPa)		11.0 (2.75)	
Fluids Capacity			
Total Oil System: gal (lit)		8.19 (31.0)	
Engine Jacket Water Capacity: gal (lit)		9.50 (36.0)	

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 1000ft Over 1200ft

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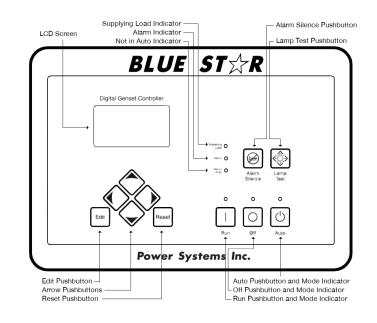
265 kWe



DGC-2020 Control Panel

Standard Features

- ▶ Digital Metering
- ▶ Engine Parameters
- ▶ Generator Protection Functions
- ▶ Engine Protection
- ► CAN Bus (J1939) ECU Communications
- ▶ Windows-Based Software
- ▶ Multilingual Capability
- ▶ Remote Communications to RDP-110 Remote Annunciator
- ▶ 16 Programmable Contact Inputs
- ▶ 15 Contact Outputs
- ▶ RS485 Communicator Interface
- ▶ UL Recognized, CSA Certified, CE Approved
- ▶ Event Recording
- ▶ IP 54 Front Panel Rating with Integrated Gasket
- ▶ NFPA 110 Level 1 Compatible



51.06 — 35.62

19.70

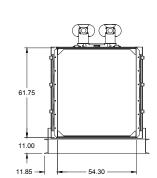
APPROX. BREAKER LOCATION

Weights / Dimensions / Sound Data

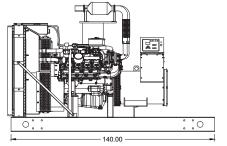
	LxWxH	Weight lbs			
OPU	140 x 78 x 90 in	8,725			
Level 1	140 x 78 x 96 in	10,100			
Level 2	140 x 78 x 96 in	10,200			
Level 3	200 x 78 x 96 in	11,150			

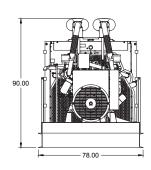
Please allow 6-12 inches for height of exhaust stack.

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	No Load	Full Load			
OPU	82 dBA	85 dBA			
Level 1	80 dBA	82 dBA			
Level 2	75 dBA	77 dBA			
Level 3	70 dBA	72 dBA			





Drawings based on standard open power 480 volt standby generator. Lengths may vary with other voltages. Subject to change without notice. Sound data as measured at 23 feet (7 meters) in accordance with ISO 8528-10 at standby rating.

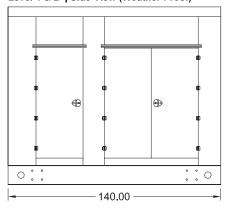
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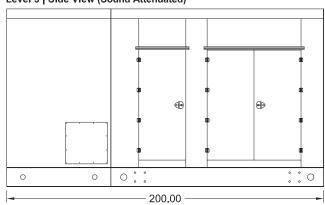


Enclosures

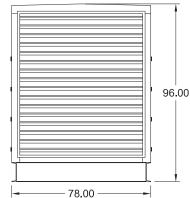
Level 1 & 2 | Side View (Weather Proof)



Level 3 | Side View (Sound Attenuated)



Level 1, 2 & 3 | Intake View



All enclosure models are 200 MPH wind rating certified in accordance with IBC2018 and ASCE/SEI 7-16 standards.

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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