



## Gaseous Product Line

**208-600 Volt**

**NG200-01 / NG200-01P**

**60 Hz / 1800 RPM**

**190 - 200 kWe / 175 kWe**

**Standby UL 2200 / Non-UL 2200 / Prime UL 2200**

### Ratings

	240V	208V	240V	480V	600V
<b>Phase</b>	1	3	3	3	3
<b>PF</b>	1.0	0.8	0.8	0.8	0.8
<b>Hz</b>	60	60	60	60	60
<b>Generator Model</b>	432CSL6210	431CSL6206	431CSL6206	431CSL6206	431PSL6243
<b>Connection</b>	12 LEAD ZIG-ZAG	12 LEAD WYE	12 LEAD DELTA	12 LEAD WYE	4 LEAD WYE
<b>Standby UL 2200</b>					
<b>kWe Nat (LP)</b>	190 (130)	190 (130)	190 (130)	190 (130)	190 (130)
<b>AMPS Nat (LP)</b>	792 (542)	660 (452)	572 (391)	286 (196)	229 (157)
<b>Temp Rise</b>	130°C / 27°C	130°C / 27°C	130°C / 27°C	130°C / 27°C	130°C / 27°C
<b>Standby Non-UL 2200 [This rating not available with UL 2200 Listing or CSA Certification]</b>					
<b>kWe Nat (LP)</b>	200 (130)	200 (130)	200 (130)	200 (130)	200 (130)
<b>AMPS Nat (LP)</b>	833 (542)	695 (452)	602 (391)	301 (196)	241 (157)
<b>Temp Rise</b>	130°C / 27°C	130°C / 27°C	130°C / 27°C	130°C / 27°C	130°C / 27°C
<b>Prime</b>					
<b>kWe Nat (LP)</b>	175 (NA)	175 (NA)	175 (NA)	175 (NA)	175 (NA)
<b>AMPS Nat (LP)</b>	729 (NA)	608 (NA)	527 (NA)	263 (NA)	211 (NA)
<b>Temp Rise</b>	105°C / 40°C	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
- ▶ ± 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 - Formed Steel
- ▶ Main Line Circuit Breaker Mounted & Wired
- ▶ Catalyst / Silencer Mounted
- ▶ Battery Charger 24V 5 Amp
- ▶ Jacket Water Heater -20°F 3000W 240V w/Isolation Valves
- ▶ Vibration Isolation Mounts
- ▶ Radiator Duct Flange (OPU Only)
- ▶ Single Source Supplier
- ▶ 2YR / 2000HR Standby Warranty
- ▶ 1YR / 1500HR Prime Warranty
- ▶ Standard Colors - White / Tan / Gray

# Gaseous Product Line

190 - 200 kWe / 175 kWe



**POWERDAK**  
POWER PRODUCTS, LLC

## Application Data

Engine				
Manufacturer:	Power Solutions International	Displacement - Cu. In. (lit):	673 (11.1)	
Model:	D111TIC	Bore - in. (cm) x Stroke - in. (cm):	4.84 (12.3) x 6.1 (15.5)	
Type:	4-Cycle	Compression Ratio:	10.5 : 1	
Aspiration:	Turbo Charged, CAC	Rated RPM:	1800	
Cylinder Arrangement:	6 Cylinder Inline	Max HP Stby (kWm):	302 (225)	

  

Exhaust System	Standby	Prime
Gas Temp. (Stack): °F (°C)	1,350 (732)	1,350 (732)
Gas Volume at Stack Temp: CFM (m³/min)	1,247 (35.3)	1,247 (35.3)
Maximum Allowable Exhaust Restriction: in. H <sub>2</sub> O (kPa)	40.8 (10.2)	40.8 (10.2)

  

Cooling System	Standby	Prime
Ambient Capacity of Radiator: °F (°C)	122 (50.0)	122 (50.0)
Maximum Allowable Static Pressure on Rad. Exhaust: in. H <sub>2</sub> O (kPa)	0.50 (0.12)	0.50 (0.12)
Water Pump Flow Rate: GPM (lit/min)	81.9 (310)	81.9 (310)
Heat Rejection to Coolant: BTUM (kW)	9,687 (170)	9,687 (170)
Heat Rejection to CAC: BTUM (kW)	1,278 (22.4)	1,278 (22.4)
Heat Radiated to Ambient: BTUM (kW)	1,893 (33.1)	1,893 (33.1)

  

Air Requirements	Standby	Prime
Aspirating: CFM (m³/min)	392 (11.1)	392 (11.1)
Air Flow Required for Rad. Cooled Unit: CFM (m³/min)	18,000 (509)	18,000 (509)
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: ft <sup>3</sup> /hr (m <sup>3</sup> /hr)	2,115 (59.9)	704 (19.9)	1,851 (52.4)	N/A
At 75% of Power Rating: ft <sup>3</sup> /hr (m <sup>3</sup> /hr)	1,648 (46.7)	549 (15.5)	1,442 (40.8)	N/A
At 50% of Power Rating: ft <sup>3</sup> /hr (m <sup>3</sup> /hr)	1,157 (32.8)	463 (13.1)	1,012 (28.7)	N/A
Fuel Inlet Size: NPT	2.00"		2.00"	
Fuel Pressure Required: in. H <sub>2</sub> 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)	6.60 (25.0)
Engine Jacket Water Capacity: gal (lit)	6.60 (25.0)
System Coolant Capacity: gal (lit)	27.7 (105)

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



