



Gaseous Product Line

208-600 Volt

NG425-01

60 Hz / 1800 RPM

425 kWe

Standby

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	572RSL4025	572RSL4025	572RSL4025	572RSS4270
Connection	12 LEAD WYE	12 LEAD DELTA	12 LEAD WYE	4 LEAD WYE
Standby				
kWe Nat (LP)	425 (300)	425 (300)	425 (300)	425 (300)
AMPS Nat (LP)	1476 (1042)	1280 (903)	639 (451)	512 (361)
Temp Rise	105°C / 40°C	105°C / 40°C	105°C / 40°C	105°C / 40°C

Standard Equipment

- | | | |
|---|--|---|
| <p>Engine</p> <ul style="list-style-type: none"> ▶ 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 <p>Listing Certifications</p> <ul style="list-style-type: none"> ▶ UL 2200 Listed ▶ cUL Listed ▶ CSA Certified ▶ Seismic Certified to IBC 2012 | <p>Generator</p> <ul style="list-style-type: none"> ▶ Brushless Single Bearing ▶ Automatic Voltage Regulator ▶ ± .25% Voltage Regulation ▶ 4 Pole, Rotating Field ▶ 105°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 | <p>Additional</p> <ul style="list-style-type: none"> ▶ 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 5000W 240V w/Isolation Valves ▶ Vibration Isolation Mounts (Pad Type) ▶ Radiator Duct Flange (OPU Only) ▶ Single Source Supplier ▶ 2YR / 2000HR Standby Warranty ▶ Standard Colors - White / Tan / Gray |
|---|--|---|

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POWERDAK
POWER PRODUCTS, LLC

Application Data

Engine	
Manufacturer:	Power Solutions International
Model:	D219TICHO
Type:	4-Cycle
Aspiration:	Turbo Charged, CAC
Cylinder Arrangement:	12 Cylinder Vee
Displacement - Cu. In. (lit):	1,338 (21.9)
Bore - in. (cm) x Stroke - in. (cm):	5.04 (12.8) x 5.59 (14.2)
Compression Ratio:	10.5 : 1
Rated RPM:	1800
Max HP Stby (kWm):	649 (484)

Exhaust System	Standby
Gas Temp. (Stack): °F (°C)	1,350 (732)
Gas Volume at Stack Temp: CFM (m³/min)	3,179 (89.8)
Maximum Allowable Exhaust Restriction: in. H ₂ O (kPa)	40.8 (10.2)

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)	174 (659)
Heat Rejection to Coolant: BTUM (kW)	27,342 (479)
Heat Rejection to CAC: BTUM (kW)	6,454 (113)
Heat Radiated to Ambient: BTUM (kW)	3,629 (63.5)

Air Requirements	
Aspirating: CFM (m³/min)	1027 (29.1)
Air Flow Required for Rad. Cooled Unit: CFM (m³/min)	40,000 (1,132)
Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)	Consult Factory For Remote Cooled Applications

Fuel Consumption	Natural Gas	LP
At 100% of Power Rating: ft ³ /hr (m ³ /hr)	4,490 (127)	1,408 (39.8)
At 75% of Power Rating: ft ³ /hr (m ³ /hr)	3,500 (99.0)	1,098 (31.1)
At 50% of Power Rating: ft ³ /hr (m ³ /hr)	2,456 (69.54)	770 (21.8)
Fuel Inlet Size: NPT		3.00"
Fuel Pressure Required: in. H ₂ O (kPa)		7.00 - 11.0 (1.75 - 2.70)

Fluids Capacity	
Total Oil System: gal (lit)	10.6 (40.0)
Engine Jacket Water Capacity: gal (lit)	13.8 (52.3)
System Coolant Capacity: gal (lit)	60.2 (228)

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

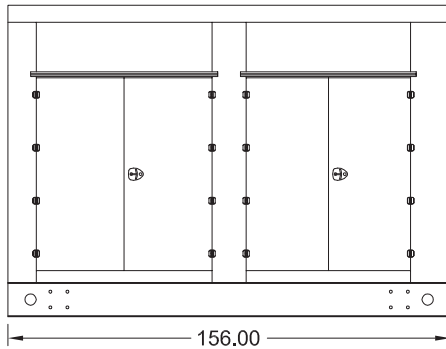
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425 kWe

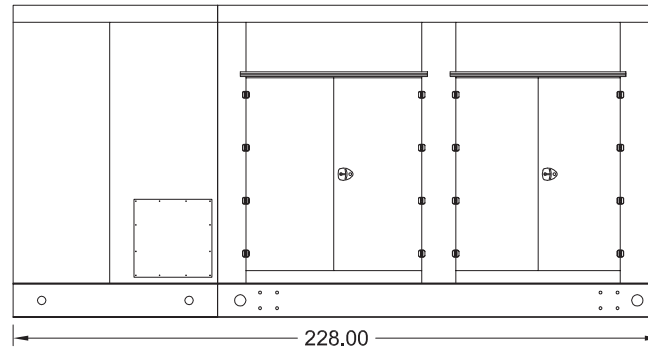


Enclosures

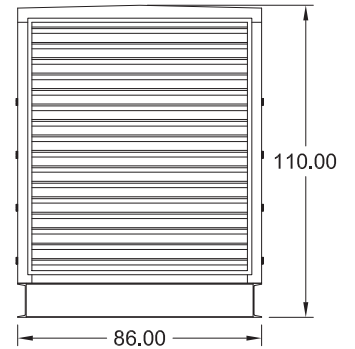
Level 1 & 2 | Side View (Weather Proof)



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.

American Owned



American Made

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