BLUE STAR
Power Systems Inc.

Gaseous Product Line

208-600 Volt

NG350-01 / NG350-01P

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
- ± 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

Gaseous Product Line

350 kWe / 300 kWe

BLUE STAR Power Systems Inc.

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 (m^3/min)	2,366 (67.0)	2,028 (57.4)
Maximum Allowable Exhaust Restriction: in. H_2O (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_2O (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 (m^3/min)	788 (22.0)	675 (19.1)
Air Flow Required for Rad. Cooled Unit: CFM (m^3/min)	36,000 (1,019)	36,000 (1,019)
Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m^3/min)	Consult Factory For Remote Cooled Applications	

	Standby		Prime	
Fuel Consumption	**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. H20 (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)

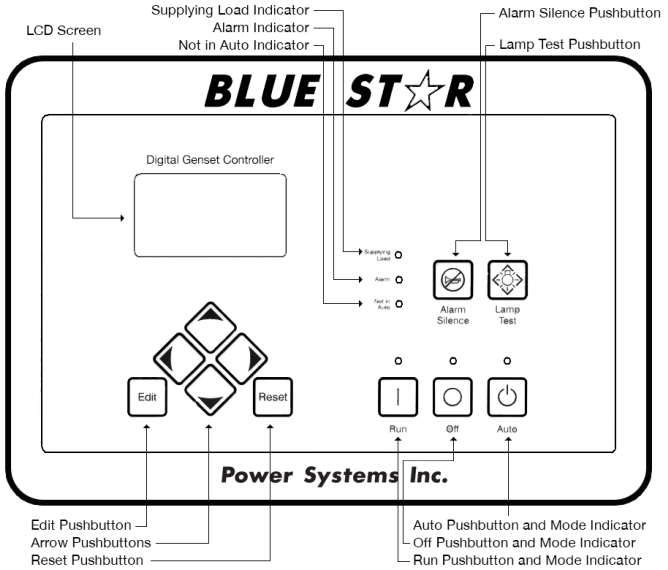
All calculations based on natural gas fuel.

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

DGC-2020 Control Panel

Standard Features

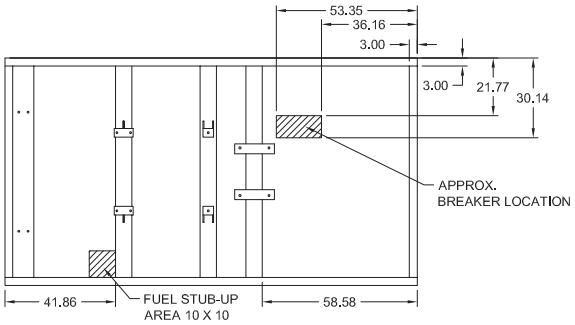
- ▸ Digital Metering
- ▸ Engine Parameters
- ▸ Generator Protection Functions
- ▸ Engine Protection
- ▸ CAN Bus ECU Communications
- ▸ Windows-Based Software
- ▸ Multilingual Capability
- ▸ Remote Communications to RDP-110 Remote Annunciator
- ▸ 16 Programmable Contact Inputs
- ▸ Up to 15 Contact Outputs (7 standard)
- ▸ UL Recognized, CSA Certified, CE Approved
- ▸ Event Recording
- ▸ IP 54 Front Panel Rating with Integrated Gasket
- ▸ NFPA 110 Level 1 Compatible

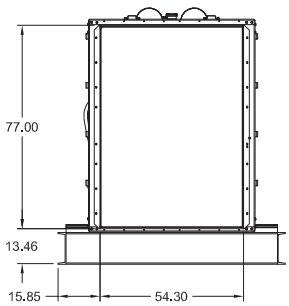


Weights / Dimensions / Sound Data

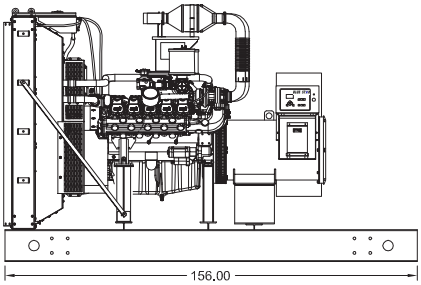
	L x W x H	Weight lbs
OPU	156 x 86 x 98 in	9,925
Level 1	156 x 86 x 110 in	11,600
Level 2	156 x 86 x 110 in	11,700
Level 3	228 x 86 x 110 in	12,425

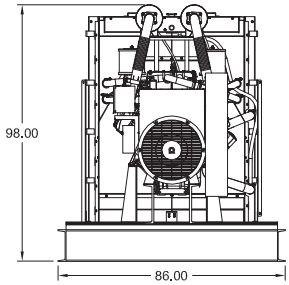
Please allow 6-12 inches for height of exhaust stack.





	No Load	Full Load
OPU	83 dBA	86 dBA
Level 1	81 dBA	84 dBA
Level 2	76 dBA	79 dBA
Level 3	71 dBA	74 dBA

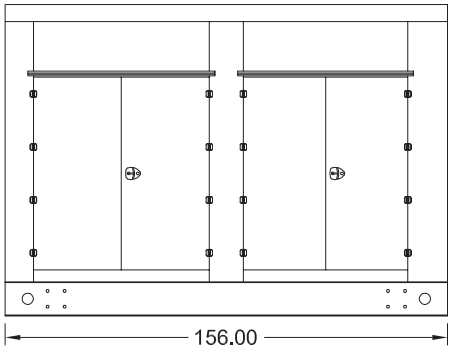




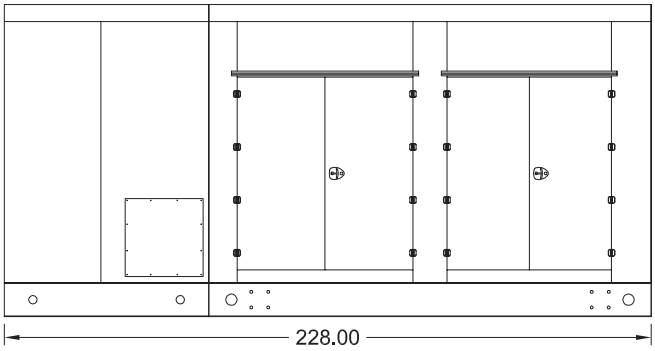
Drawings based on standard open power 480 volt standby generator. Lengths may vary with other voltages. Subject to change without notice.
Sound data as measured at 23 feet (7 meters) in accordance with ISO 8528-10 at standby rating.

Enclosures

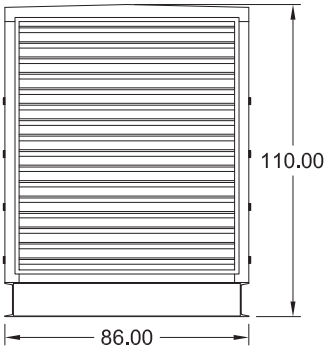
Level 1 & 2 | SIde VIew (Weather Proof)



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

Distributed By:

Blue Star Power Systems, Inc.
52146 Ember Road
Lake Crystal, Minnesota 56055
Phone + 1 507 726 2508
bluestarps.com
quote.bluestarps.com
sales@bluestarps.com