

# Diesel Product Line

## 208-600 Volt

Standby

## 60 Hz / 1800 RPM

## 250 kWe

PD250-01

## 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	S4L1D-G41	S4L1D-D41	S4L1D-D41	S4L1D-C41	S4L1S-C4
Connection	12 LEAD DD	12 LEAD WYE	12 LEAD DELTA	12 LEAD WYE	4 LEAD WYE
kWe	250	250	250	250	250
AMPS	1042	868	753	376	301
Temp Rise	125°C / 40°C	125°C / 40°C	125°C / 40°C	125°C / 40°C	125°C / 40°C

# Standard Equipment

### Engine

- Radiator Cooled Unit Mounted (50°C)
- Radiator Duct Flange (OPU Only)
- 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)
- Critical Grade Silencer Mounted
- Flexible Fuel Connector
- EPA Certified Tier 3

### Generator

- Brushless Single Bearing
- Automatic Voltage Regulator
- $\pm$  0.50% Voltage Regulation
- 4 Pole, Rotating Field
- 125°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
- UL 2200 & cUL Listed
- CSA Certified
- Seismic Certified to IBC 2021
- NFPA 110 / CSA C282 Compliant
- Microprocessor Based Digital Control Panel Mounted in NEMA 12 Enclosure
- Base Formed Steel
- Main Line Circuit Breaker Mounted & Wired
- Battery Charger 24V 5 Amp
- Jacket Water Heater -20°F 2500W 240V w/Isolation Valves
- Vibration Isolation Mounts
- 2 Year / 2000 Hour Standby Warranty
- Standard Colors White / Gray

250 kWe



# Application Data

Menulacturer:         Perkins         Displacement - Cu. In. III):         567 (9.29)           Model:         1706D-EB3TAG1         Bore - in. (cm): X Stroke - in. (cm):         4.53 (11.5) x 5.67 (14.9)           Type:         4 - Cycla         Compression Ratio:         16.51           Aspiration:         Turbo Charged, CAC         Rated PPM:         1600           Oylinder Arrangement:         8 Cylinder Inline         Max HP Sitby (Wm):         394 (294)           Exhaust System         Standby         394 (294)         394 (294)           Kasimura Mlowable Exhaust Restriction:         New IP Sitby (Wm):         394 (294)           Maximura Mlowable Exhaust Restriction:         Ne O(RP PM)         2,219 (22.0)           Maximura Mlowable Exhaust Restriction:         Ne O (RP PM)         2,219 (22.0)           Maximura Mlowable Exhaust Restriction:         Ne O (RP PM)         2,219 (22.0)           Maximura Mlowable Exhaust Restriction:         NE O (RP PM)         37.2 (330)           Maximura Mlowable Static Pressure on Flad. Exhaust:         NE O (RP PM)         6,866 (117)           Heat Rejection to Coclant: BTUM (WM)         6,866 (117)         6,868 (117)           Heat Reguirements         Standbard         5,104 (89.3)           Air Requirements         17,032 (482)         5,104 (89.3) <th>Engine</th> <th></th> <th></th> <th></th>	Engine				
Type:         4-Cycle         Compression Relico:         16.51           Aspiration:         Turbo Charged, CAC         Rated RPM:         1500           Cylinder Arrangement:         6 Cylinder Inline         Max HP Stby (KWm):         394 (294)           Exhaust System         Standby           Gas Temp. (Stack): "F (°C)         925 (496)           Gas Volume at Stack Temp: CPM (mº/min)         2,219 (82.8)           Maximum Allowable Exhaust: Restriction: in. HaO (kPa)         40.0 (10.0)           Cooling System         122 (50.0)           Maximum Allowable Static Pressure on Rad. Exhaust: in. HaO (kPa)         0.50 (12)           Water Pump Flow Rate: GPM (lil/min)         87.2 (300)           Heat Rejection to Coolant: BTUM (kW)         6,686 (117)           Heat Rejection to Coolant: BTUM (kW)         5,104 (89.3)           Air Requirements         4,417 (77.3)           Are Required for Anal. Cooled Unit: CFM (m <sup>4</sup> /min)         17.032 (482)           Air Requirements         2000 (110,100)           Air Requirements         2000 (110,100)           Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m <sup>4</sup> /min)         17.032 (482)           Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m <sup>4</sup> /min)         17.032 (482)           Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m <sup>4</sup> /min) <td< td=""><td>Manufacturer:</td><td>Perkins</td><td>Displacement - Cu. In. (lit):</td><td>567 (9.29)</td></td<>	Manufacturer:	Perkins	Displacement - Cu. In. (lit):	567 (9.29)	
Aspiration:         Turbo Charged, CAC         Rated FPM:         1000           Cylinder Arrangement:         6 Cylinder Inline         Max HP Stby (kWm):         394 (294)           Exhaust System         Standby           Gas Temp: (Stack): "F (°C)         925 (496)           Gas Volume at Stack Temp: CFM (m?/min)         2.219 (62.8)           Maximum Allowable Exhaust Restriction: in: H=O (kPa)         40.0 (10.0)           Cooling System         122 (50.0)           Maximum Allowable Static Pressure on Rad. Exhaust: in: H=O (kPa)         0.500 (12)           Mater Pump Flow Rate: GPM (il/min)         87.2 (300)           Heat Rejection to Coolant: BTUM (kW)         44.17 (77.3)           Heat Rejection to Coolant: BTUM (kW)         44.17 (77.3)           Heat Rejection to Coolant: BTUM (kW)         5.104 (89.3)           Air Flow Required for Rad. Cooled Unit: CFM (m?/min)         17.032 (482)           Air Flow Required for Rad. Cooled Unit: CFM (m?/min)         Consult Factory For Remote Cooled Applications           Air Flow Required for Rad. Cooled Unit: CFM (m?/min)         Consult Factory For Remote Cooled Applications           Air Flow Required for Rad. Cooled Unit: CFM (m?/min)         Consult Factory For Remote Cooled Applications           Fled Consumtion         11.032 (482)         14.9 (56.5)           Air Flow Required for Rading: gal/hr (i	Model:	1706D-E93TAG1	Bore - in. (cm) x Stroke - in. (cm):	4.53 (11.5) x 5.87 (14.9)	
Cylinder Arrangement:         6 Cylinder Inline         Max HP Stby (kVm);         9 34 (294)           Exhaust System         Standby           Gas Temp, (Stack); "F (°C)         925 (496)           Gas Volume at Stack Temp; CFM (m <sup>1</sup> /min)         2,219 (62.8)           Maximum Allowable Exhaust Restriction: in: H±0 (kPa)         40.0 (10.0)           Cooling System         122 (50.0)           Maximum Allowable Static Pressure on Rad. Exhaust: in: H±0 (kPa)         0.50 (0.12)           Mater Pump Flow Ratic SPM (it/min)         87.2 (33.0)           Heat Rejection to CACI: BTUM (kW)         6.668 (117)           Heat Rejection to CACI: BTUM (kW)         6.104 (89.3)           Arr Requirements:         5.104 (89.3)           Arr Requirements:         989 (28.0)           Arr Row Required for Heat Exchanger/Rem. Rad. CFM (m <sup>3</sup> /min)         Consult Factory For Remote Cooled Applications           Arr Row Required for Heat Exchanger/Rem. Rad. CFM (m <sup>3</sup> /min)         Consult Factory For Remote Cooled Applications           Fuel Consumption         Consult Factory For Remote Cooled Applications           At 100% of Power Rating; t30/hr (tM3/h)         19.1 (72.3)           At 50% of Power Rating; t30/hr (m3/h)         19.4 (56.5)           At 50% of Power Rating; t30/hr (m3/h)         11.3 (42.7)	Туре:	4-Cycle	Compression Ratio:	16.5:1	
Exhaust System         Standby           Gas Temp. (Stack): 'F ('C)         925 (496)           Gas Volume at Stack Temp: CFM (m*/min)         2.219 (82.8)           Maximum Allowable Exhaust Restriction: in. HeO (kPa)         40.010.01           Conting System         102 (50.01)           Ambient Capacity of Radiator: 'F ('C)         122 (50.01)           Maximum Allowable Exhaust Restriction: in. HeO (kPa)         0.50 (0.12)           Maximum Allowable Static Pressure on Rad. Exhaust: in. HeO (kPa)         0.50 (0.12)           Water Pump Flow Rate: GPM (III/min)         87.2 (330)           Heat Rejection to Coolent: BTUM (kW)         6.686 (117)           Heat Rejection to Coolent: BTUM (kW)         4.417 (77.3)           Heat Rejection to Coolent: BTUM (kW)         5.104 (89.3)           Air Flow Required for Rad. Cooled Unit: CFM (m*/min)         989 (28.01)           Air Flow Required for Rad. Cooled Unit: CFM (m*/min)         17.032 (48.21)           Air Row Required for Rad. Cooled Unit: CFM (m*/min)         Consult Factory For Remote Coolead Applications           Fuel Consumption         19.17.03           At 100% of Power Rating: gal/hr (III/hn)         19.17.03           At 50% of Power Rating: fis/hr (m3/hr)         14.9 (56.51)           At 50% of Power Rating: fis/hr (m3/hr)         14.9 (56.51)           At 50% of Pow	Aspiration:	Turbo Charged, CAC	Rated RPM:	1800	
Gas Temp. (Stack): "F ("C)         925 (496)           Gas Volume at Stack Temp: CFM (m³/min)         2,219 (62.8)           Maximum Allowable Exhaust. Restriction: in. H=O (kPa)         40.0 (10.0)           Cooling System         122 (50.0)           Maximum Allowable Exhaust. Restriction: in. H=O (kPa)         0.500 (0.12)           Maximum Allowable Static Pressure on Rad. Exhaust: in. H=O (kPa)         0.500 (0.12)           Water Pump Flow Rate: GPM (itt/min)         87.2 (330)           Heat Rejection to Coolant: BTUM (kW)         6,666 (117)           Heat Rejection to Coolant: BTUM (kW)         6,668 (117)           Heat Rejection to Coolant: BTUM (kW)         5,104 (89.3)           Air Requirements         5,104 (89.3)           Air Requirements         989 (26.0)           Air Rou Required for Rad. Cooled Unit: CFM (m³/min)         17.032 (482)           Air Rou Required for Rad. Cooled Unit: CFM (m³/min)         Consult Factory For Remote Cooled Applications           Fuel Consumption         11.023 (47.2)           At 75% of Power Rating: t3/hr (m3/hr)         19.1 (72.3)           At 50% of Power Rating: t3/hr (m3/hr)         14.9 (56.5)           At 50% of Power Rating: t3/hr (m3/hr)         11.3 (42.7)	Cylinder Arrangement:	6 Cylinder Inline	Max HP Stby (kWm):	394 (294)	
Gas Temp. (Stack): "F ("C)         925 (496)           Gas Volume at Stack Temp: CFM (m³/min)         2,219 (62.8)           Maximum Allowable Exhaust. Restriction: in. H=O (kPa)         40.0 (10.0)           Cooling System         122 (50.0)           Maximum Allowable Exhaust. Restriction: in. H=O (kPa)         0.500 (0.12)           Maximum Allowable Static Pressure on Rad. Exhaust: in. H=O (kPa)         0.500 (0.12)           Water Pump Flow Rate: GPM (itt/min)         87.2 (330)           Heat Rejection to Coolant: BTUM (kW)         6,666 (117)           Heat Rejection to Coolant: BTUM (kW)         6,668 (117)           Heat Rejection to Coolant: BTUM (kW)         5,104 (89.3)           Air Requirements         5,104 (89.3)           Air Requirements         989 (26.0)           Air Rou Required for Rad. Cooled Unit: CFM (m³/min)         17.032 (482)           Air Rou Required for Rad. Cooled Unit: CFM (m³/min)         Consult Factory For Remote Cooled Applications           Fuel Consumption         11.023 (47.2)           At 75% of Power Rating: t3/hr (m3/hr)         19.1 (72.3)           At 50% of Power Rating: t3/hr (m3/hr)         14.9 (56.5)           At 50% of Power Rating: t3/hr (m3/hr)         11.3 (42.7)					
Gas Volume at Stack Temp: CFM (m³/min)2,219 (62.8)Maximum Allowable Exhaust Restriction: in. H2O (kPa)40.0 (10.0)Cooling SystemAmbient Capacity of Radiator: °F (°C)122 (50.0)Maximum Allowable Static Pressure on Rad. Exhaust: in. H2O (kPa)0.50 (0.12)Water Pump Flow Rate: GPM (ilt/min)87.2 (330)Heat Rejection to Coolant: BTUM (kW)6.686 (117)Heat Rejection to Coolant: BTUM (kW)6.686 (117)Heat Rejection to CAC: BTUM (kW)6.686 (117)Heat Requirements9.09 (26.0)Air Flow Required for Rad. Cooled Unit: CFM (m9/min)17.032 (42.0)Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m9/min)Consult Factory For Remote Cooled ApplicationsFuel Consumption19.1 (72.3)At 75% of Power Rating: gal/hr (lit/hr)19.1 (72.3)At 50% of Power Rating: gal/hr (lit/hr)11.3 (42.7)Huids Capacity11.3 (42.7)Fuids Capacity11.3 (42.7)	Exhaust System			Standby	
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Cooling System           Ambient Capacity of Radiator: °F (°C)         122 (50.0)           Maximum Allowable Static Pressure on Rad. Exhaust: in. H₂O (kPa)         0.50 (0.12)           Water Pump Flow Rate: GPM (itt/min)         87.2 (330)           Heat Rejection to Coolant: BTUM (kW)         6,686 (117)           Heat Rejection to CAC: BTUM (kW)         6,686 (117)           Heat Rejection to CAC: BTUM (kW)         6,686 (117)           Heat Rejection to CAC: BTUM (kW)         6,896 (117)           Heat Rediated to Ambient: BTUM (kW)         6,190 (89.0)           Afr Requirements         5,104 (89.0)           Air Flow Required for Rad. Cooled Unit: CFM (m³/min)         989 (28.0)           Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)         Consult Factory For Beneto Cooled Application           Fel Consumption         17,032 (482)           At 100% of Power Rating: gal/hr (it/hr)         19,1 (72.3)           At 5% of Power Rating: ft3/hr (m3/hr)         19,1 (23.0)           At 5% of Power Rating: ft3/hr (m3/hr)         11,3 (42.7) <t< td=""><td>Gas Volume at Stack Temp: CFM (m³/n</td><td>nin)</td><td></td><td>2,219 (62.8)</td></t<>	Gas Volume at Stack Temp: CFM (m³/n	nin)		2,219 (62.8)	
Ambient Capacity of Radiator: "F ("C)       122 (50.0)         Maximum Allowable Static Pressure on Rad. Exhaust: in. HaO (kPa)       0.50 (0.12)         Water Pump Flow Rate: GPM (lit/min)       87.2 (330)         Heat Rejection to Coolant: BTUM (kW)       6,686 (117)         Heat Rejection to CAC: BTUM (kW)       6,686 (117)         Heat Rejection to CAC: BTUM (kW)       4,417 (77.3)         Heat Rediated to Ambient: BTUM (kW)       5,104 (89.3)         Air Requirements       989 (28.0)         Air Flow Required for Rad. Cooled Unit: CFM (m <sup>a</sup> /min)       17,032 (482)         Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m <sup>a</sup> /min)       Consult Factory For Remote Cooled Applications         Fuel Consumption       19.1 (72.3)         At 100% of Power Rating: gal/hr (lit/hr)       19.1 (72.3)         At 50% of Power Rating: tt3/hr (m3/hr)       14.9 (56.5)         At 50% of Power Rating: tt3/hr (m3/hr)       11.3 (42.7)         Fluids Capacity       11.3 (42.7)	Maximum Allowable Exhaust Restriction	on: in. H2O (kPa)		40.0 (10.0)	
Maximum Allowable Static Pressure on Rad. Exhaust: in. H₂O (kPa)0.50 (0.12)Water Pump Flow Rate: GPM (lit/min)87.2 (330)Heat Rejection to Coolant: BTUM (kW)6.686 (117)Heat Rejection to CAC: BTUM (kW)4.417 (77.3)Heat Radiated to Ambient: BTUM (kW)5.104 (89.3)Air Requirements989 (28.0)Air Flow Required for Rad. Cooled Unit: CFM (m³/min)989 (28.0)Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)Consult Factory For Remote Cooled ApplicationsFuel Consumption19.1 (72.3)At 100% of Power Rating: gal/hr (lit/hr)19.1 (72.3)At 75% of Power Rating: tf3/hr (m3/hr)14.9 (56.5)At 50% of Power Rating: tf3/hr (m3/hr)11.3 (42.7)Fluids Capacity11.3 (42.7)	Cooling System				
Water Pump Flow Rate: GPM (lit/min)87.2 (330)Heat Rejection to Coolant: BTUM (kW)6,686 (117)Heat Rejection to CAC: BTUM (kW)4,417 (77.3)Heat Radiated to Ambient: BTUM (kW)5,104 (89.3)Air Requirements989 (28.0)Air Flow Required for Rad. Cooled Unit: CFM (m³/min)989 (28.0)Air Flow Required for Rad. Cooled Unit: CFM (m³/min)17,032 (482)Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)Consult Factory For Remote Cooled ApplicationsFuel Consumption19.1 (72.3)At 100% of Power Rating: gal/hr (lit/hr)14.9 (56.5)At 50% of Power Rating: tt3/hr (m3/hr)11.3 (42.7)Fluids Capacity11.3 (42.7)	Ambient Capacity of Radiator: °F (°C)			122 (50.0)	
Heat Rejection to Coolant: BTUM (kW)6,686 (117)Heat Rejection to CAC: BTUM (kW)4,417 (77.3)Heat Radiated to Ambient: BTUM (kW)5,104 (89.3)Air Requirements989 (28.0)Air Flow Required for Rad. Cooled Unit: CFM (m³/min)989 (28.0)Air Flow Required for Rad. Cooled Unit: CFM (m³/min)17,032 (482)Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)Consult Factory For Remote Cooled ApplicationsFuel Consumption19.1 (72.3)At 100% of Power Rating: gal/hr (lit/hr)19.1 (72.3)At 50% of Power Rating: ft3/hr (m3/hr)11.3 (42.7)Fluids Capacity11.3 (42.7)	Maximum Allowable Static Pressure or	n Rad. Exhaust: in. H₂O (kPa)	0.50 (0.12)		
Heat Rejection to CAC: BTUM (kW)4,417 (77.3)Heat Radiated to Ambient: BTUM (kW)5,104 (89.3)Air Requirements989 (28.0)Air Flow Required for Rad. Cooled Unit: CFM (m³/min)989 (28.0)Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)Consult Factory For Remote Cooled ApplicationsFuel Consumption19.1 (72.3)At 100% of Power Rating: gal/hr (lit/hr)19.1 (72.3)At 55% of Power Rating: tt3/hr (m3/hr)11.3 (42.7)Fluids Capacity11.3 (42.7)	Water Pump Flow Rate: GPM (lit/min)		87.2 (330)		
Heat Radiated to Ambient: BTUM (kW)5,104 (89.3)Air Requirements989 (28.0)Air Flow Required for Rad. Cooled Unit: CFM (m³/min)17,032 (482)Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)Consult Factory For Remote Cooled ApplicationsFuel Consumption19.1 (72.3)At 100% of Power Rating: gal/hr (lit/hr)14.9 (56.5)At 55% of Power Rating: tt3/hr (m3/hr)11.3 (42.7)Fluids Capacity11.3 (42.7)	Heat Rejection to Coolant: BTUM (kW)			6,686 (117)	
Air RequirementsAspirating: CFM (m³/min)989 (28.0)Air Flow Required for Rad. Cooled Unit: CFM (m³/min)17,032 (482)Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)Consult Factory For Remote Cooled ApplicationsFuel Consumption19.1 (72.3)At 100% of Power Rating: gal/hr (lit/hr)19.1 (72.3)At 75% of Power Rating: ft3/hr (m3/hr)11.3 (42.7)Fluids Capacity11.3 (42.7)	Heat Rejection to CAC: BTUM (kW)			4,417 (77.3)	
Aspirating: CFM (m³/min)989 (28.0)Air Flow Required for Rad. Cooled Unit: CFM (m³/min)17,032 (482)Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)Consult Factory For Remote Cooled ApplicationsFuel Consumption19.1 (72.3)At 100% of Power Rating: gal/hr (lit/hr)19.1 (72.3)At 75% of Power Rating: ft3/hr (m3/hr)14.9 (56.5)At 50% of Power Rating: ft3/hr (m3/hr)11.3 (42.7)Fluids CapacityItil Consumption	Heat Radiated to Ambient: BTUM (kW)			5,104 (89.3)	
Air Flow Required for Rad. Cooled Unit: CFM (m³/min)17,032 (482)Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)Consult Factory For Remote Cooled ApplicationsFuel Consumption19.1 (72.3)At 100% of Power Rating: gal/hr (lit/hr)19.1 (72.3)At 75% of Power Rating: ft3/hr (m3/hr)14.9 (56.5)At 50% of Power Rating: ft3/hr (m3/hr)11.3 (42.7)Fluids Capacity11.3 (42.7)	Air Requirements				
Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)Consult Factory For Remote Cooled ApplicationsFuel Consumption1At 100% of Power Rating: gal/hr (lit/hr)19.1 (72.3)At 75% of Power Rating: ft3/hr (m3/hr)14.9 (56.5)At 50% of Power Rating: ft3/hr (m3/hr)11.3 (42.7)Fluids Capacity1	Aspirating: CFM (m <sup>3</sup> /min)			989 (28.0)	
Fuel Consumption         At 100% of Power Rating: gal/hr (lit/hr)       19.1 (72.3)         At 75% of Power Rating: ft3/hr (m3/hr)       14.9 (56.5)         At 50% of Power Rating: ft3/hr (m3/hr)       11.3 (42.7)         Fluids Capacity       11.3 (42.7)	Air Flow Required for Rad. Cooled Unit	: CFM (m³/min)		17,032 (482)	
At 100% of Power Rating: gal/hr (lit/hr)       19.1 (72.3)         At 75% of Power Rating: ft3/hr (m3/hr)       14.9 (56.5)         At 50% of Power Rating: ft3/hr (m3/hr)       11.3 (42.7)         Fluids Capacity       11.3 (42.7)	Air Flow Required for Heat Exchanger/I	Rem. Rad. CFM (m³/min)	Consult Factory Fo	or Remote Cooled Applications	
At 75% of Power Rating: ft3/hr (m3/hr)       14.9 (56.5)         At 50% of Power Rating: ft3/hr (m3/hr)       11.3 (42.7)         Fluids Capacity       1	Fuel Consumption				
At 50% of Power Rating: ft3/hr (m3/hr)       11.3 (42.7)         Fluids Capacity	At 100% of Power Rating: gal/hr (lit/hr)			19.1 (72.3)	
Fluids Capacity	At 75% of Power Rating: ft3/hr (m3/hr)		14.9 (56.5)		
- · · · ·	At 50% of Power Rating: ft3/hr (m3/hr)			11.3 (42.7)	
Total Oil System: gal (lit) 7.93 (30.0)	Fluids Capacity				
	Total Oil System: gal (lit)			7.93 (30.0)	
Engine Jacket Water Capacity: gal (lit) 5.36 (20.3)	Engine Jacket Water Capacity: gal (lit)			5.36 (20.3)	
System Coolant Capacity: gal (lit) 9.46 (35.8)	System Coolant Capacity: gal (lit)			9.46 (35.8)	

Deration Factors: Rated Power is available up to 3281ft (1000m) at ambient temperatures to  $104^{\circ}F$  (40°C). Consult factory for site conditions above these parameters.

# Diesel Product Line

### 250 kWe



Four Configurable Status LEDs

START

t

Alarm Mute & Lamp Test Button

L Start Button

Close Generator (Manual Mode Only)

Generator Available LED

## DCP7310 Control Panel

#### Standard Features

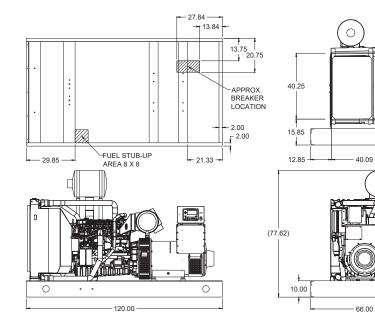
- Digital Metering
- Engine Parameters
- Generator Protection Functions
- Engine Protection
- CAN Bus (J1939) ECU Communications
- Windows-Based Software
- Multilingual Capability
- Remote Communications to DSE2548 Remote Annunciator
- 8 Programmable Contact Inputs
- 10 Contact Outputs
- RS485 Communicator Interface
- cULus Listed, CE Approved
- Event Recording
- IP 65 rating (with supplied gasket) offers increased resistance to water ingress
- NFPA 110 Level 1 Compatible

## Weights / Dimensions / Sound Data

	L x W x H	Weight Ibs		
OPU	120 x 66 x 78 in	5,850		
Level 1	156 x 66 x 94 in	7,100		
Level 2	156 x 66 x 94 in	7,175		
Level 3	196 x 66 x 94 in	7,500		

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

	No Load	Full Load
OPU	86 dBA	88 dBA
Level 1	83 dBA	85 dBA
Level 2	77 dBA	79 dBA
Level 3	69 dBA	71 dBA



Module Display

0

STO

Manual Mode Button and Indicator

ᠿ

MANUA

1

Configurable Button

DIGITAL CONTROL PANEL

BLUE STAR

Power Systems Inc.

OPTION

[AUTO]

AUTO

.

•

ALARM

1

Auto Mode Button and Indicato

Menu Navigation

> Open Generator – (Manual Mode Only)

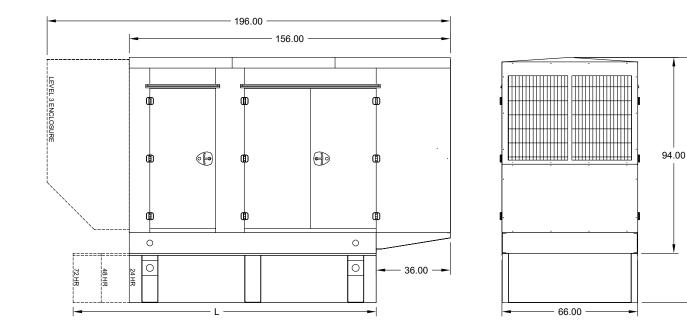
Generator — Breaker LED

# Diesel Product Line

BLUE ST R Power Systems Inc.

### 250 kWe

## Enclosures & Fuel Tanks



<ul> <li>All enclosure models are 200 MPH wind rating certified in accordance with IBC2021 and ASCE/SEI 7-16 standards.</li> </ul>		24 Hour 250 Gallon	48 Hour 500 Gallon	72 Hour 750 Gallon
<ul> <li>Level 2 &amp; 3 enclosures include sound attenuation foam</li> </ul>	L	120.00	162.00	228.00
<ul> <li>Level 3 enclosure includes frontal sound &amp; exhaust hood.</li> </ul>	_			
<ul> <li>Enclosure height does not include exhaust stack.</li> </ul>	н	118.00	130.00	130.00



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#### Notes

- All specification sheet dimensions are represented in inches.
- All drawings based on standard 480 volt standby generator. Lengths may vary with other voltages. All drawings and dimensions subject to change without notice.
- All enclosures and fuel tanks are based on the standard unit configuration. Any requested deviation can change dimensions.
- Sound data is measured at 23 feet (7 meters) in accordance with ISO 8528-10.
- All materials and specifications subject to change without notice.

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Blue Star Power Systems, Inc.