

VD550-02FT4MP

550 kWe / 500 kWe

Ratings

	208V	240V	480V	Multi-Voltage
Phase	3	3	3	3
PF	0.8	0.8	0.8	0.8
Hz	60	60	60	60
Generator Model	572RSL6431	572RSL6431	572RSL6425	572RSL6431
Connection	12 LEAD WYE	12 LEAD DELTA	12 LEAD WYE	12 LEAD CONFIGURABLE
Standby				
kWe	550	550	550	550
AMPS	1911	1656	828	1911/828
Temp Rise	130°C / 27°C	130°C / 27°C	130°C / 27°C	130°C / 27°C
Prime				
kWe	500	500	500	500
AMPS	1737	1505	753	1737/753
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 (55°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 Tier 4 Final

Generator

- Brushless Single Bearing
- ► Automatic Voltage Regulator
- ▶ ± .25% 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

- ► Single Source Supplier
- Microprocessor Based Digital Control
- Control Panel Mounted in NEMA 12 Enclosure
- Base Channel Steel
- ► Level 3 Enclosure
- Trailer with Integrated Fuel Tank
- Main Line Circuit Breaker Mounted & Wired
- SCR Catalyst / Silencer Mounted
- Battery Charger 24V 5 Amp
- ► Jacket Water Heater -20°F 5000W 240V w/Isolation Valves
- Vibration Isolation Mounts
- > 2YR / 2000HR Standby Warranty
- ▶ 1YR / 1500HR Prime Warranty
- Standard Color White

208-480 Volt

60 Hz / 1800 RPM

Standby / Prime

550 kWe / 500 kWe

BLUE ST R Power Systems Inc.

Application Data

Manufactures:Volvo PentaDisplacement - Cu. in. (ift):984 (18.1)Mode:TW16725EBore - In. (mx) X Stroke - In. (mt):6.57 (14.4) x 6.50 (16.8)Type:Atcol Charged, H-G to ki / ColRated PPA:18.81Apiration:Tutbo Charged, H-G to ki / ColRated PPA:8.86 (19.1)Cylinder Arrangement:6 Cylinder InlineMax HP Stby (kWm):6.86 (19.1)Ces Tarno; (Stack): % FC):Staft Tarno; (Col7.83 (14.4)7.83 (12.3)Gas Volume at Stack Tamp: (CPM):4.34 7 (12.3)4.03 (10.0)4.00 (10.0)Coling SystemStaft Adv (12.3)4.05 (10.0)4.00 (10.0)Coling SystemStaft Tarno; (CPM):1.91 (56.0)1.91 (56.0)Makinum Allowable Stake Tarno; (CPM):1.91 (56.0)1.91 (56.0)Maintur Allowable Stake Tarn	Engine			
Type: 4-Cycle Compression Ratic: (16.81) Aspiration: Turbo Charged, H/O to Air CAC Rated RPM: 1800 Quinder Arrangement: 6 Cylinder Inline Max HP Sity (Wm): 6836 (61) Ekhaust System Standby Prime 793 (423) Gas Temp: (Stack): Ft (°C) 6 Sti (44) 793 (423) Gas Volume at Stack Temp: CPM (mP/min) 4,347 (123) 4,026 (114) Maximum Allowable Exhaust Restriction (Post SCR Gat.): In: H/O (kPa) 40.0 (10.0) 40.0 (10.0) Coling System 40.0 (10.0) 40.0 (10.0) 40.0 (10.0) Maximum Allowable Stalic Pressure on Rad. Exhaust: In: H/O (kPa) 0.50 (0.12) 0.50 (0.12) Maximum Allowable Stalic Pressure on Rad. Exhaust: In: H/O (kPa) 0.50 (0.12) 0.50 (0.12) Mater Rejection to Coclari: BTUM (kW) 11,715 (200) 0.10.83 (180) Heat Rejection to Coclari: BTUM (kW) 11,715 (200) 0.10.83 (180) Heat Rejection to Coclari: BTUM (kW) 11,715 (200) 0.10.83 (180) Ar Ford mentic 29,844 (461) 29,894 (461) 29,894 (461) Ar Fow Required for Rad. Cocled Unit: CFM (mP/min)	Manufacturer:	Volvo Penta	Displacement - Cu. In. (lit):	984 (16.12)
Appiration: Turbo Charged, H-O to A/ CAC Rated PPM: 1800 Qvinder Arrangement: 6 Oylinder Inline Max HP Stby (WVm): 836 (615) Exhaust System Standby Prime Gas Temp, (Stack): "F (°) 831 (44) 793 (423) Gas Volume at Stack Temp: CPM (mVmin) 4,347 (123) 4,026 (114) Maximum Allowable Exhaust Restriction (Post SCR Cat.): in. H-O (kPa) 0.00 (10.0) 0.00 (10.0) Cooling System Maximum Allowable Exhaust Restriction (Post SCR Cat.): in. H-O (kPa) 0.50 (0.12) 0.50 (0.12) Maximum Allowable Exhaust Restriction (Post SCR Cat.): in. H-O (kPa) 0.50 (0.12) 0.50 (0.12) 0.50 (0.12) Maximum Allowable Static Pressure on Rad. Exhaust: in. H-O (kPa) 0.50 (0.12) 0.50 (0.12) 0.50 (0.12) Maximum Allowable Static Pressure on Rad. Exhaust: in. H-O (kPa) 0.50 (0.12) 0.50 (0.12) 0.50 (0.12) Maximum Allowable Static Pressure on Rad. Exhaust: in. H-O (kPa) 0.50 (0.12) 0.50 (0.12) 0.50 (0.12) Maximum Allowable Static Pressure on Rad. Exhaust: in. H-O (kPa) 1.648 (46.6) 1.603 (45.4) Heat Rejection to CoCk: BTUM (kW) 1.1,716 (200) 1.603 (45.4)	Model:	TWD1672GE	Bore - in. (cm) x Stroke - in. (cm):	5.67 (14.4) x 6.50 (16.5)
Qinder Arrangement: 6 Qylinder Inline Max HP Stby (kWm): 838 (615) Exhaust System Standby Prime Gas Temp. (Stack): 'F (°C) 831 (444) 733 (423) Gas Volume at Stack Temp: CFM (mVmin) 4.347 (123) 4.025 (114) Maximum Allowable Exhaust Restriction (Post SCR Cat.): in. H.O (kPa) 40.0 (10.0) 40.0 (10.0) Coling System 131 (55.0) 131 (55.0) Maximum Allowable Exhaust Restriction (Post SCR Cat.): in. H.O (kPa) 0.50 (0.12) 0.50 (0.12) Maximum Allowable Static Teresure on Rad. Exhaust: in. HeO (kPa) 0.50 (0.12) 0.50 (0.12) Mater Fump Flow Rate: GPM (lift/min) 95.1 (680) 95.1 (680) 95.1 (680) Heat Rejection to Coolant: BTUM (kW) 12,682 (223) 11,544 (203) 16.454 (203) Heat Rejection to CAC: BTUM (kW) 11,715 (206) 10.635 (187) 3.842 (67.2) Air Requirements 29,894 (446) 29,894 (446) 29,894 (446) 3.842 (67.2) Air Required for Rad. Cooled Unit: CFM (mVmin) 29,894 (446) 29,894 (446) 29,894 (446) 29,894 (446) 29,894 (446) 29,894 (446) 29,894 (446) 29,8	Туре:	4-Cycle	Compression Ratio:	16.8:1
Exhaust System Standby Prime Gas Temp, (Stack); °F (°C) 831 (444) 793 (423) Gas Volume at Stack Temp: CFM (m³/min) 4,347 (123) 4,025 (114) Maximum Allowable Exhaust Restriction (Post SCR Cat.); in, HcO (kPa) 40.0 (10.0) 40.0 (10.0) Cooling System 40.0 (10.0) 40.0 (10.0) 40.0 (10.0) Maximum Allowable Exhaust Restriction (Post SCR Cat.); in, HcO (kPa) 0.50 (0.12) 0.50 (0.12) Maximum Allowable Static Pressure on Rad. Exhaust: in, HcO (kPa) 0.50 (0.12) 0.50 (0.12) Water Pump Flow Rate: GPM (Ift/min) 95.1 (360) 95.1 (360) Heat Rejection to Coolant: BTUM (kW) 11,2682 (223) 11,544 (203) Heat Rejection to Cock BTUM (kW) 11,715 (206) 10,635 (187) Heat Rejection to Cock BTUM (kW) 11,646 (46.6) 1,603 (45.4) All Fow Required for Rad. Cooled Unit: CFM (m³/min) 1,846 (46.6) 1,603 (45.4) All Flow Required for Rad. Cooled Unit: CFM (m³/min) Consult Factory For Remote Cooled Applications All Flow Required for Rad. Cooled Unit: CFM (m³/min) Consult Factory For Remote Cooled Applications 2,938 (484) 2,938 (484) 2,938 (486) 2,938 (4	Aspiration:	Turbo Charged, H2O to Air CAC	Rated RPM:	1800
Gas Temp, Stack): *F (°) 831 (44) 793 (42) Gas Volume at Stack Temp: CPM (m/min) 4,347 (123) 4,025 (114) Maximum Allowable Exhaust Restriction (Post SCR Cat.): in. H-O (kPa) 40.0 (10.0) 40.0 (10.0) Cooling System 131 (65.0) 131 (65.0) 131 (65.0) Maximum Allowable Static Pressure on Rad. Exhaust: in. H-O (kPa) 0.50 (0.12) 0.50 (0.12) Maximum Allowable Static Pressure on Rad. Exhaust: in. H-O (kPa) 12,682 (223) 11,544 (203) Heat Rejection to Coolant: BTUM (kW) 12,682 (223) 11,544 (203) Heat Rejection to CAC: BTUM (kW) 4,253 (74.4) 3,842 (67.2) Air Rourements 1,646 (46.6) 1,603 (45.4) Ar Row Required for Rad. Cooled Unit: CFM (m?/min) 29,894 (846) 29,894 (846) Ar Flow Required for Rad. Cooled Unit: CFM (m?/min) 29,894 (846) 28,80 (90.0) 26.0 (90.0) At 100% of Power Rating: gal/hr (lt/hr) 39,9 (151.0) 35.9 (136.0) 26.0 (90.0) 26.0 (90.0) 26.0 (90.0) 26.0 (90.0) 26.0 (90.0) 26.0 (90.0) 26.0 (90.0) 26.0 (90.0) 26.0 (90.0) 26.0 (90.0) 26.0 (90.0) 26.0 (90.0) <t< td=""><td>Cylinder Arrangement:</td><td>6 Cylinder Inline</td><td>Max HP Stby (kWm):</td><td>836 (615)</td></t<>	Cylinder Arrangement:	6 Cylinder Inline	Max HP Stby (kWm):	836 (615)
Gas Volume at Stack Term; CFM (m³/min) 4,347 (12) 4,025 (114) Maximum Allowable Exhaust Restriction (Post SCR Cat.): in. H4O (kPa) 40.0 (10.0) 40.0 (10.0) Cooling System 131 (55.0) 131 (55.0) 131 (55.0) Maximum Allowable Static Pressure on Rad. Exhaust: in. H4O (kPa) 0.50 (0.12) 0.50 (0.12) Maximum Allowable Static Pressure on Rad. Exhaust: in. H4O (kPa) 0.50 (0.12) 0.50 (0.12) Water Pump Flow Rate: GPM (itt/min) 95.1 (360) 95.1 (360) Heat Rejection to Coolant: BTUM (kW) 11,715 (206) 10,635 (187) Heat Rejection to CAC: BTUM (kW) 11,715 (206) 10,635 (187) Heat Rediated to Ambient: BTUM (kW) 4,263 (74.4) 3,842 (67.2) Air Requirements 29,894 (846) 29,894 (846) 29,894 (846) Ar Flow Required for Rad. Cooled Unit: CFM (m³/min) 29,894 (846) 29,894 (846) 29,894 (846) Ar Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min) 28,81 (19,0.0) 35.9 (136.0) 35.9 (136.0) At 75% of Power Rating: gal/hr (it/hr) 39.9 (151.0) 35.9 (136.0) 35.9 (136.0) 35.9 (136.0) At 50% of Power Rating: gal/hr (it/hr)	Exhaust System		Standby	Prime
Maximum Allowable Exhaust Restriction (Post SCR Cat.): in. He0 (kPa) 40.0 (10.0) 40.0 (10.0) Cooling System 131 (55.0) 131 (55.0) 131 (55.0) Maximum Allowable Static Pressure on Rad. Exhaust: in. He0 (kPa) 0.50 (0.12) 0.50 (0.12) Water Pump Flow Rate: GPM (it/min) 95.1 (360) 95.1 (360) 95.1 (360) Heat Rejection to Coolent: BTUM (kW) 11,715 (206) 10.635 (187) Heat Rejection to Coolent: BTUM (kW) 11,715 (206) 10.633 (187) Heat Rejection to Coolent: BTUM (kW) 11,715 (206) 10.633 (187) Heat Requirements 29,894 (866) 29,894 (867) Air Flow Required for Rad. Cooled Unit: CFM (m³/min) 29,894 (866) 29,894 (866) Air Flow Required for Rad. Cooled Unit: CFM (m³/min) 20,894 (866) 29,894 (860) Air Flow Required for Rad. Cooled Unit: CFM (m³/min) 28,8 (109.0) 35.9 (130.0) At Flow Required for Rading: gal/hr (lit/h) 39.9 (151.0) 35.9 (130.0) At So% of Power Rating: gal/hr (lit/h) 28.8 (109.0) 26.0 (98.0) At So% of Power Rating: gal/hr (lit/h) 19.1 (72.0) 17.5 (66.0) DEF Consumption (% of tele consumption)	Gas Temp. (Stack): °F (°C)		831 (444)	793 (423)
Cooling System Ambient Capacity of Radiator: "F (°C) 131 (55.0) 131 (55.0) Maximum Allowable Static Pressure on Rad. Exhaust: in. H-O (kPa) 0.50 (0.12) 0.50 (0.12) Water Pump Flow Rate: GPM (lit/min) 95.1 (360) 95.1 (360) Heat Rejection to Coolant: BTUM (kW) 12,682 (22) 11,544 (20) Heat Rejection to CoAC: BTUM (kW) 11,715 (206) 10,635 (187) Heat Rediated to Ambient: BTUM (kW) 11,715 (206) 10,635 (187) Heat Rediated to Ambient: BTUM (kW) 11,715 (206) 10,633 (45.4) Air Requirements 29,894 (86) 29,894 (86) 29,894 (86) Air Flow Required for Rad. Cooled Unit: CFM (m³/min) 20,894 (846) 29,894 (86) 29,894 (86) Air Flow Required for Rad. Cooled Unit: CFM (m³/min) Consult Factory For Remote Cooled Applications Ended Cooled Applications Fuel Consumption 19,110 35.9 (130.0) 35.9 (130.0) Alr Solo of Power Rating: gal/hr (lit/h1) 28.8 (109.0) 26.0 (98.0) Alr Solo of Power Rating: gal/hr (lit/h1) 19.1 (72.0) 17.5 (66.0) Alr Solo of Power Rating: gal/hr (lit/h1) 19.1 (72.0) 17.5 (66.0)	Gas Volume at Stack Temp: C	CFM (m³/min)	4,347 (123)	4,025 (114)
Abient Capacity of Radiator: "F (°C) 131 (65.0) 131 (65.0) Maximum Allowable Static Pressure on Rad. Exhaust: in. HaO (kPa) 0.50 (0.12) 0.50 (0.12) Water Pump Rlow Rate: GPM (lit/min) 95.1 (360) 95.1 (360) Heat Rejection to Coolant: BTUM (kW) 12,682 (223) 11,544 (203) Heat Rejection to CAC: BTUM (kW) 11,715 (206) 10,635 (187) Heat Radiated to Ambient: BTUM (kW) 4,253 (74.4) 3,842 (67.2) Affequirements 1 1,646 (46.6) 1,603 (45.4) Air Flow Required for Rad. Cooled Unit: CFM (m³/min) 29,894 (846) 29,894 (846) 29,894 (846) Air Flow Required for Rad. Cooled Unit: CFM (m³/min) 20,891 (18.0) 35.9 (136.0) 35.9 (136.0) Air Flow Required for Rad. Cooled Unit: CFM (m³/min) 29,894 (846) 29,894 (846) 29,894 (846) Air Flow Required for Rad. Cooled Unit: CFM (m³/min) 20,891 (18.0) 35.9 (136.0) 35.9 (136.0) Air Flow Required for Rad. Cooled Unit: CFM (m³/min) 29,894 (846) 29,894 (846) 29,894 (846) 29,894 (846) 29,894 (846) 29,894 (846) 29,894 (846) 29,894 (846) 28,80 (03.0) 26,0 (03.0)	Maximum Allowable Exhaust I	Restriction (Post SCR Cat.): in. H ₂ O (kPa)	40.0 (10.0)	40.0 (10.0)
Maximum Allowable Static Pressure on Rad. Exhaust: in. HeO (kPa) 0.50 (0.12) 0.50 (0.12) Water Pump Flow Rate: GPM (ilt/min) 95.1 (360) 95.1 (360) Heat Rejection to Coolant: BTUM (kW) 12,682 (223) 11,544 (203) Heat Rejection to CAC: BTUM (kW) 11,715 (206) 10.635 (187) Heat Radiated to Ambient: BTUM (kW) 4,253 (74.4) 3,842 (67.2) Air Requirements	Cooling System			
Water Pump Flow Rate: GPM (lit/min) 95.1 (360) 95.1 (360) Heat Rejection to Coolant: BTUM (kW) 12,682 (22) 11,544 (20) Heat Rejection to CAC: BTUM (kW) 11,715 (206) 10,635 (187) Heat Rediated to Ambient: BTUM (kW) 4,253 (74.4) 3,842 (67.2) Air Requirements 4,253 (74.4) 3,842 (67.2) Air Requirements 1,646 (46.6) 1,603 (45.4) Air Flow Required for Rad. Cooled Unit: CFM (m ⁹ /min) 29,894 (846) 29,894 (846) Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m ⁹ /min) Consult Factory For Remote Cooled Applications Fuel Consumption 39.9 (151.0) 35.9 (136.0) At 75% of Power Rating: gal/hr (lit/hr) 28.8 (109.0) 26.0 (98.0) At 50% of Power Rating: gal/hr (lit/hr) 28.8 (109.0) 26.0 (98.0) DEF Consumption (% of fuel consumption) ± 6.00% ± 6.00% Efuids Capacity 19.1 (72.0) 17.5 (66.0) DEF Consumption (% of fuel consumption) ± 6.00% ± 6.00% Engine Jacket Water Capacity: gal (lit) 12.7 (48.0) 12.7 (48.0) Engine Jacket Water Capacity: gal (lit) 8.70 (33.0) <td< td=""><td>Ambient Capacity of Radiator</td><td>: °F (°C)</td><td>131 (55.0)</td><td>131 (55.0)</td></td<>	Ambient Capacity of Radiator	: °F (°C)	131 (55.0)	131 (55.0)
Heat Rejection to Coolant: BTUM (kW) 12,682 (23) 11,544 (20) Heat Rejection to CAC: BTUM (kW) 11,715 (206) 10,635 (187) Heat Radiated to Ambient: BTUM (kW) 4,253 (74.4) 3,842 (67.2) Air Requirements 1 1,646 (46.6) 1,603 (45.4) Air Flow Required for Rad. Cooled Unit: CFM (m ⁹ /min) 29,894 (846) 29,894 (846) 29,894 (846) Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m ⁹ /min) Consult Factory For Remote Cooled Applications Fuel Consumption 39.9 (151.0) 35.9 (136.0) At 75% of Power Rating: gal/hr (lit/hr) 28.8 (109.0) 26.0 (98.0) DEF Consumption (% of fuel consumption) ± 6.00% ± 6.00% ETGIO Suppring (% of fuel consumption) ± 6.00% ± 6.00% DEF Consumption (% of fuel consumption) ± 6.00% ± 6.00% DI Col Ol System: gal (lit) 12.7 (48.0) 12.7 (48.0) Engine Jacket Water Capacity: gal (lit) 8.70 (33.0) 8.70 (33.0)	Maximum Allowable Static Pre	essure on Rad. Exhaust: in. H2O (kPa)	0.50 (0.12)	0.50 (0.12)
Heat Rejection to CAC: BTUM (kW) 11,715 (206) 10,635 (187) Heat Radiated to Ambient: BTUM (kW) 4,253 (74.4) 3,842 (67.2) Air Requirements	Water Pump Flow Rate: GPM	(lit/min)	95.1 (360)	95.1 (360)
Heat Radiated to Ambient: BTUM (kW) 4,253 (74.4) 3,842 (67.2) Air Requirements	Heat Rejection to Coolant: BT	UM (kW)	12,682 (223)	11,544 (203)
Air Requirements Aspirating: CFM (m³/min) 1,646 (46.6) 1,603 (45.4) Air Flow Required for Rad. Cooled Unit: CFM (m³/min) 29,894 (846) 29,894 (846) Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min) Consult Factory For Remote Ocaled Applications Fuel Consumption 39.9 (151.0) 35.9 (136.0) At 100% of Power Rating: gal/hr (lit/hr) 28.8 (109.0) 26.0 (98.0) At 50% of Power Rating: gal/hr (lit/hr) 19.1 (72.0) 17.5 (66.0) DEF Consumption (% of fuel consumption) ± 6.00% ± 6.00% Fluids Capacity 12.7 (48.0) 12.7 (48.0) Total Oil System: gal (lit) 12.7 (48.0) 8.70 (33.0) System Coolant Capacity: gal (lit) 5.9 (60.0) 15.9 (60.0)	Heat Rejection to CAC: BTUM	1 (kW)	11,715 (206)	10,635 (187)
Aspirating: CFM (m³/min) 1,646 (46.6) 1,603 (45.4) Air Flow Required for Rad. Cooled Unit: CFM (m³/min) 29,894 (846) 29,894 (846) Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min) Consult Factory For Remote Cooled Applications Fuel Consumption At 100% of Power Rating: gal/hr (lit/hr) 39.9 (151.0) 35.9 (136.0) At 75% of Power Rating: gal/hr (lit/hr) 28.8 (109.0) 26.0 (98.0) DEF Consumption (% of fuel consumption) ± 6.00% ± 6.00% DEF Consumption (% of fuel consumption) ± 6.00% ± 6.00% Fuids Capacity 12.7 (48.0) 12.7 (48.0) Total Oil System: gal (lit) 12.7 (48.0) 8.70 (33.0) Engine Jacket Water Capacity: gal (lit) 8.70 (33.0) 8.70 (33.0)	Heat Radiated to Ambient: BT	TUM (kW)	4,253 (74.4)	3,842 (67.2)
Air Flow Required for Rad. Cooled Unit: CFM (m³/min)29,894 (846)29,894 (846)Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)Consult Factory For Remote Cooled ApplicationsFuel Consumption39.9 (151.0)35.9 (136.0)At 100% of Power Rating: gal/hr (lit/hr)39.9 (151.0)35.9 (136.0)At 75% of Power Rating: gal/hr (lit/hr)28.8 (109.0)26.0 (98.0)At 50% of Power Rating: gal/hr (lit/hr)19.1 (72.0)17.5 (66.0)DEF Consumption (% of fuel consumption) \pm 6.00% \pm 6.00%Fluids Capacity12.7 (48.0)12.7 (48.0)Cotal Oil System: gal (lit)12.7 (48.0)8.70 (33.0)Engine Jacket Water Capacity: gal (lit)8.70 (33.0)8.70 (33.0)System Coolant Capacity: gal (lit)15.9 (60.0)15.9 (60.0)	Air Requirements			
Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)Consult Factory For Remote Cooled ApplicationsFuel ConsumptionAt 100% of Power Rating: gal/hr (lit/hr)39.9 (151.0)35.9 (136.0)At 75% of Power Rating: gal/hr (lit/hr)28.8 (109.0)26.0 (98.0)At 50% of Power Rating: gal/hr (lit/hr)19.1 (72.0)17.5 (66.0)DEF Consumption (% of fuel consumption) \pm 6.00% \pm 6.00%Fluids Capacity12.7 (48.0)12.7 (48.0)Total Oil System: gal (lit)12.7 (48.0)8.70 (33.0)System Coolant Capacity: gal (lit)15.9 (60.0)15.9 (60.0)	Aspirating: CFM (m³/min)		1,646 (46.6)	1,603 (45.4)
Fuel Consumption At 100% of Power Rating: gal/hr (lit/hr) 39.9 (151.0) 35.9 (136.0) At 75% of Power Rating: gal/hr (lit/hr) 28.8 (109.0) 26.0 (98.0) At 50% of Power Rating: gal/hr (lit/hr) 19.1 (72.0) 17.5 (66.0) DEF Consumption (% of fuel consumption) ± 6.00% ± 6.00% Fluids Capacity 12.7 (48.0) 12.7 (48.0) Total Oil System: gal (lit) 8.70 (33.0) 8.70 (33.0) System Coolant Capacity: gal (lit) 15.9 (60.0) 15.9 (60.0)	Air Flow Required for Rad. Co	ooled Unit: CFM (m³/min)	29,894 (846)	29,894 (846)
At 100% of Power Rating: gal/hr (lit/hr) 39.9 (151.0) 35.9 (136.0) At 75% of Power Rating: gal/hr (lit/hr) 28.8 (109.0) 26.0 (98.0) At 50% of Power Rating: gal/hr (lit/hr) 19.1 (72.0) 17.5 (66.0) DEF Consumption (% of fuel consumption) ± 6.00% ± 6.00% Fluids Capacity Total Oil System: gal (lit) 12.7 (48.0) 12.7 (48.0) Engine Jacket Water Capacity: gal (lit) 8.70 (33.0) 8.70 (33.0) System Coolant Capacity: gal (lit) 15.9 (60.0) 15.9 (60.0)	Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)		Consult Factory For Remote Cooled Applications	
At 75% of Power Rating: gal/hr (lit/hr) 28.8 (109.0) 26.0 (98.0) At 50% of Power Rating: gal/hr (lit/hr) 19.1 (72.0) 17.5 (66.0) DEF Consumption (% of fuel consumption) ± 6.00% ± 6.00% Fluids Capacity Total Oil System: gal (lit) 12.7 (48.0) 12.7 (48.0) Engine Jacket Water Capacity: gal (lit) 8.70 (33.0) 8.70 (33.0) System Coolant Capacity: gal (lit) 15.9 (60.0) 15.9 (60.0)	Fuel Consumption			
At 50% of Power Rating: gal/hr (lit/hr) 19.1 (72.0) 17.5 (66.0) DEF Consumption (% of fuel consumption) ± 6.00% ± 6.00% Fluids Capacity Total Oil System: gal (lit) 12.7 (48.0) 12.7 (48.0) Engine Jacket Water Capacity: gal (lit) 8.70 (33.0) 8.70 (33.0) System Coolant Capacity: gal (lit) 15.9 (60.0) 15.9 (60.0)	At 100% of Power Rating: gal	/hr (lit/hr)	39.9 (151.0)	35.9 (136.0)
DEF Consumption (% of fuel consumption) ± 6.00% Fluids Capacity Fluids Capacity Total Oil System: gal (lit) 12.7 (48.0) Engine Jacket Water Capacity: gal (lit) 8.70 (33.0) System Coolant Capacity: gal (lit) 15.9 (60.0)	At 75% of Power Rating: gal/h	nr (lit/hr)	28.8 (109.0)	26.0 (98.0)
Fluids Capacity Total Oil System: gal (lit) 12.7 (48.0) 12.7 (48.0) Engine Jacket Water Capacity: gal (lit) 8.70 (33.0) 8.70 (33.0) System Coolant Capacity: gal (lit) 15.9 (60.0) 15.9 (60.0)	At 50% of Power Rating: gal/h	nr (lit/hr)	19.1 (72.0)	17.5 (66.0)
Total Oil System: gal (lit) 12.7 (48.0) 12.7 (48.0) Engine Jacket Water Capacity: gal (lit) 8.70 (33.0) 8.70 (33.0) System Coolant Capacity: gal (lit) 15.9 (60.0) 15.9 (60.0)	DEF Consumption (% of fuel of	consumption)	± 6.00%	± 6.00%
Engine Jacket Water Capacity: gal (lit) 8.70 (33.0) 8.70 (33.0) System Coolant Capacity: gal (lit) 15.9 (60.0) 15.9 (60.0)	Fluids Capacity			
System Coolant Capacity: gal (lit) 15.9 (60.0) 15.9 (60.0)	Total Oil System: gal (lit)		12.7 (48.0)	12.7 (48.0)
	Engine Jacket Water Capacity	/: gal (lit)	8.70 (33.0)	8.70 (33.0)
DEF Tank Capacity: gal (lit) 18.5 (70.0) 18.5 (70.0)	System Coolant Capacity: gal	(lit)	15.9 (60.0)	15.9 (60.0)
	DEF Tank Capacity: gal (lit)		18.5 (70.0)	18.5 (70.0)

Deration Factors

Rated Power is available up to 4,921 Ft (1500m) at ambient temperatures to 122°F (50°C) standby and prime.

Consult factory for site conditions above these parameters.

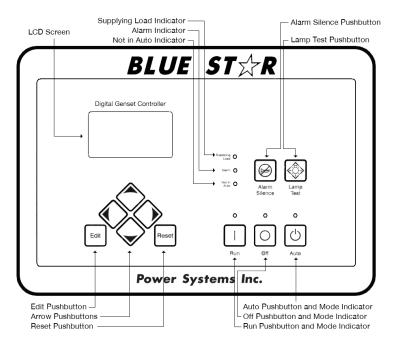
550 kWe / 550 kWe

BLUE ST R Power Systems Inc.

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

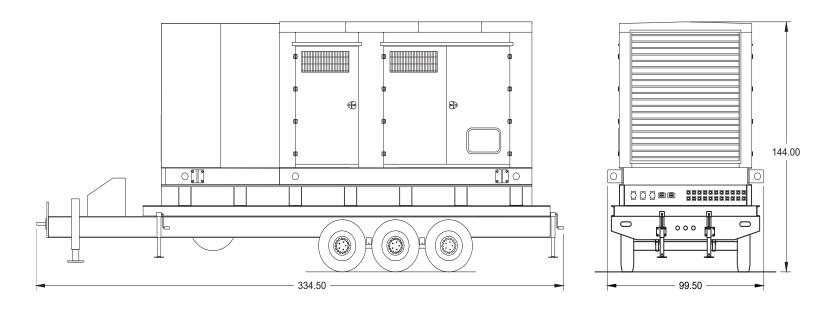


Convenience Panel

- 2-50A 125/250VAC 3P4W Twist Lock Non-Nema CS6369
- ▶ 1-30A 125/250VAC 3P4W Twist Lock Nema L14-30R
- ▶ 2-20A 120VAC Duplex GFCI Nema 5-20R
- ▶ Thumb Screw Terminals for 2-Wire Remote Start
- ▶ 30A 240VAC Male Receptacle for Jacket Water Heater Shore Power Connection
- ▶ 15A 120VAC Male Receptacle for Battery Charger Shore Power Connection
- ▶ 22-400A Rated Female Cam Style Locking Receptacles for Load Connection

550 kWe / 550 kWe

Dimensions



All specification sheet dimensions are represented in inches.

All enclosures and fuel tanks are based on the standard standby unit configuration. Any deviation can change dimensions. Materials and specifications subject to change without notice.

Distributed By:



Blue Star Power Systems, Inc.

BLUE ST R

Power Systems Inc.

2250 Carlson Drive North Mankato, Minnesota 56003 Phone + 1 507 345 1776 bluestarps.com quote.bluestarps.com sales@bluestarps.com