



EPA Certified / Stationary Emergency

OUTPUT POWER OPTIONS					STANDBY RATING		sKVA
Make	Voltage	Alternator	Phase	Hertz	kW/kVA	Amps	30% Voltage Dip
Stamford	600	UCI224E17	3	60	55/69	66	225
	277/480	UCI224E311	3	60	55/69	83	210
	120/208	UCI224E311	3	60	54/68	188	150
	120/240	UCI224E311	3	60	55/69	166	150
	120/240	UCI224E311	1	60	45/45	188	108
	120/240	UCI224E06	1	60	50/50	208	125
Marathon	600	361PSL1633	3	60	55/69	66	189
	277/480	361CSL1601	3	60	55/69	83	189
	120/208	361CSL1601	3	60	55/69	191	142
	120/240	361CSL1601	3	60	55/69	166	142
	120/240	361CSL1601	1	60	45/45	188	63
	120/240	361CSL1613	1	60	55/55	229	128
Marathon	277/480	362CSL1604	3	60	55/69	83	317
	120/208	362CSL1604	3	60	55/69	191	238
	120/240	362CSL1604	3	60	55/69	166	238
	120/240	362CSL1604	1	60	52/52	217	128
	120/240	362CSL1604	1	60	55/55	229	128



Engine Data

Manufacturer	Perkins
Model	1104D-44TG1
Aspiration	Turbocharged
EPA Tier	3
Charge Air Cooling System	Air-to-Air
Arrangement	Inline, 4-Cycle
Firing Order	1-3-4-2
Displacement: L (in. ³)	4.40 (268.50)
Bore: mm (in.)	105.00 (4.13)
Stroke: mm (in.)	127.00 (5.00)
Compression Ratio	18.2:1
BMEP: psi (kPa)	140.83 (971.00)
Net Horsepower	84.42
Rated RPM	1800
Governor	Mechanical
Speed Regulation	±5.0%

Engine Liquid Capacity

Oil System: qt. (L)	8.88 (8.40)
Cooling Capacity: gal (L)	4.36 (16.50)

Engine Electrical

Electric Volts: DC	12
Cold Cranking Amps	925
Battery(s) Required	1

Fuel System

Fuel Injection Type	Direct
Fuel Pump Rate: gal/hr (L/hr)	0.58 (2.20)
Max Suction Head: in. H ₂ O (kPa)	68.23 (17.00)
Max Pressure Head: in. H ₂ O (kPa)	40.13 (10.00)
Max Supply Restriction: in. H ₂ O (kPa)	160.53 (40.00)
Max Return Restriction: in. H ₂ O (kPa)	122.00 (50.00)
Recommended Fuel	Low Sulfur Diesel

Air Requirements

Air Filter(s) Type	Dry
Combustion Air Flow: CFM (m ³ /min)	3,468 (98.2)
Maximum Air Intake Restriction	
Clean: in. H ₂ O (kPa)	20.07 (5.00)
Dirty: in. H ₂ O (kPa)	32.11 (8.00)
Radiator Air Flow: CFM (m ³ /min)	11,089.0 (314.0)

Exhaust System

Gas Temperature: °F (°C)	1059.8 (571.0)
Gas Flow: CFM (m ³ /min)	483.8 (13.7)
Max Back Pressure: in. H ₂ O (kPa)	60.20 (15.00)
Exhaust Outlet Size: in. (mm)	3.54 (90.00)

Sound Level

Open Unit Without Exhaust: dBA 3.2 ft (1M)	106.5
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Filters and Quantity

Air Cleaner Quantity	1
Oil Filter(s) Quantity	1
Fuel Filter(s) Quantity	2

Fuel Consumption

At 100% of Power Rating: gal/hr (L/hr)	4.94 (18.70)
At 75% of Power Rating: gal/hr (L/hr)	3.38 (12.80)
At 50% of Power Rating: gal/hr (L/hr)	2.38 (9.00)
At 25% of Power Rating: gal/hr (L/hr)	1.37 (5.20)

Cooling System

Rejection to Charge Cooler: kW (BTUM)	13.1 (745.0)
Rejection to Coolant & Oil: kW (BTUM)	46.1 (2621.7)
Coolant Flow: gal/min (L/min)	39.89 (151.00)

Alternator Data

Manufacturer	Stamford	
Type	PMG	
Insulation Class	NEMA H	
Temperature Rise	125°C Standby	
Hertz	60	
RPM	1800	
Amortisseur Windings	Full	
CFM Cooling Required	595	
Voltage Regulator	MX341	MX321
Sensing	Single Phase	Three Phase
Voltage Regulation	1.0%	0.50%

Features

- BS EN 60034, BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2-100, and AS1359 compliant
- IP23 enclosure
- Dynamically balanced to exceed BS6861:Part 1 Grade 2.5 vibration standard
- Quality assurance to BS EN ISO 9001
- Self-ventilated and Drip proof construction
- Two-thirds pitch stator and skewed rotor
- Heavy duty bearings
- Fully guarded
- Overexcitation protection
- Under frequency protection
- Analog input
- Overvoltage protection
- Paralleling compatible

Alternator Data

Manufacturer	Marathon	
Type	PMG	
Insulation Class	NEMA N	
Temperature Rise	125°C Standby	
Hertz	60	
RPM	1800	
Amortisseur Windings	Full	
CFM Cooling Required	700	
Voltage Regulator	DVR2400	PM500
Sensing	Three Phase	Three Phase
Voltage Regulation	0.25%	0.25%

Features

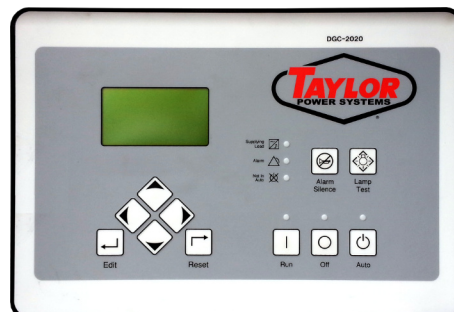
- NEMA MG1-32, BS5000, and IEC 34-1 compliant; CE & CSA Certified and UL Listed
- Self-ventilated and drip proof construction
- Two-thirds pitch stator and skewed rotor
- Wet wound, epoxied field windings
- Designed to withstand overspeeds of up to 125%
- Hybrid analog/digital voltage regulator
- Under frequency protection
- Under frequency indication light
- Less than one cycle response time
- Over excitation protection
- Over excitation indication light
- Easy access front-panel adjustments
- Over voltage protection shutdown

Control Panels



DeepSea 7310 MKII

Simultaneous Use of RS232 & RS485
 Modbus RTU Support
 Fully Configurable Using USB, RS232 & RS485
 IP65 Rating
 6 Programmable Inputs & 8 Outputs
 UL & cUL Listed and CE Certified



Basler DGC2020

SAE J1939 Engine ECU Communications
 4 Programmable Inputs & 10 Outputs
 Modbus Communications With RS485
 UL Recognized, CSA & CE Certified
 IP 54 Front Panel Rating
 NFPA 110 Level 1 Compatible
 Manual Override Keyswitch
 DGC2020HD Variant Available



Taylor Analog

Automatic CANBUS Engine Control
 Gauge Zeroing on Shutdown
 Auto-Off-Manual Control Switch
 Oil Pressure, Water Temperature, Battery Voltage and RPM Gauges
 AC Voltage, Frequency, Percent of Load, and Run-Time Metering
 LED Status Lights



Standard Features:

Warranty

2 Year Standard
5 Year Comprehensive

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|------------------------------------|------------------------|
| Heavy Duty Steel Base | Battery Charger |
| Vibration Isolators | Block Heater |
| Oil Drain Valve with Extension | Factory Powder Coating |
| Coolant Drain Kit | Factory Load Test |
| High Ambient Unit Mounted Radiator | Owner's Manual |

Controller Options

DGC2020HD Controller
Fiber Optic Ethernet (DGC2020HD)
RS-232 Port & Generator Protection (DGC2020)
Flush or Surface Mount Remote Annunciator
Remote Mount Break Glass E-Stop Switch

Miscellaneous Options:

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|------------------------|-------------------------|
| Generator Strip Heater | Pad Type Battery Heater |
| Spring Isolators | Battery Heater Blanket |
| Line Circuit Breaker | Oil Pan Heater |

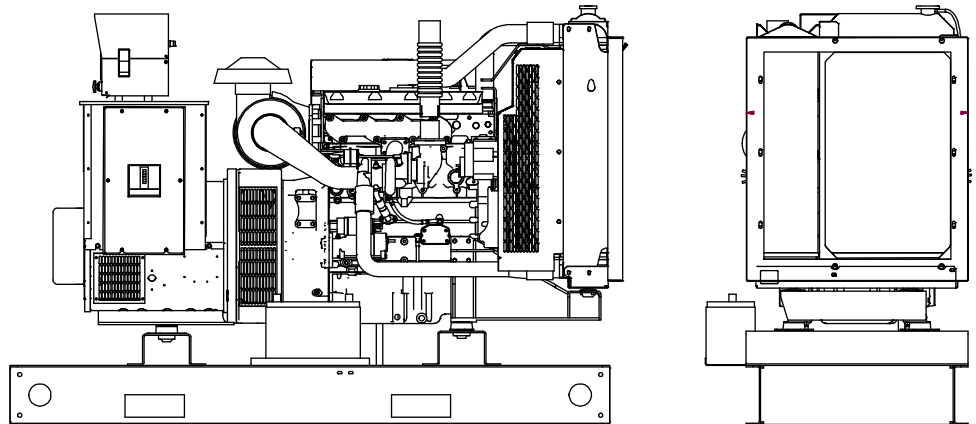
Open Unit

Options:

- Radiator Duct Flange
- Flex Exhaust
- Critical Silencer
- Sub-Base Fuel Tank

Overall Size: 81"L x 36"W x 57"H
 Approximate Weight: 2,000 lbs.

Note: Dimensions and weights reflect standard open unit with no options and are subject to change.



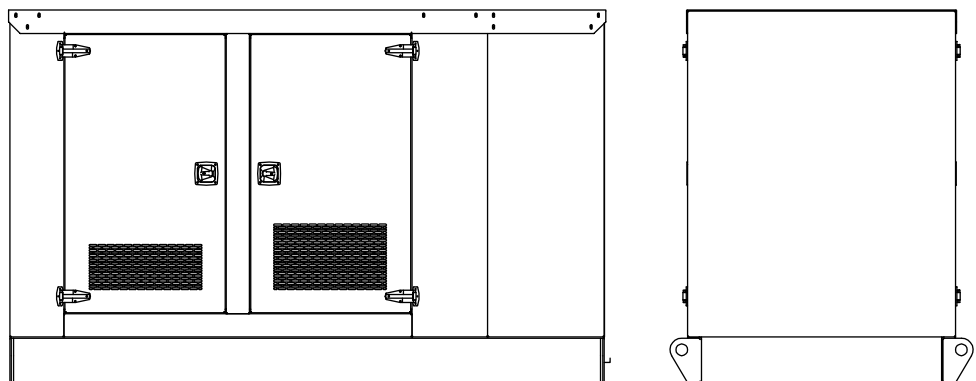
Standard Enclosed Unit

Options:

- Sound Attenuated Enclosure
- Load Center, Lights & GFI Receptacle
- Sub-Base Fuel Tank

Overall Size: 102"L x 46"W x 64"H
 Approximate Weight: 3,100 lbs.

Note: Dimensions and weights reflect standard enclosed unit with no options and are subject to change.



Note: The above drawings are provided for reference only and should not be used for planning installation. Contact your local distributor for more information.