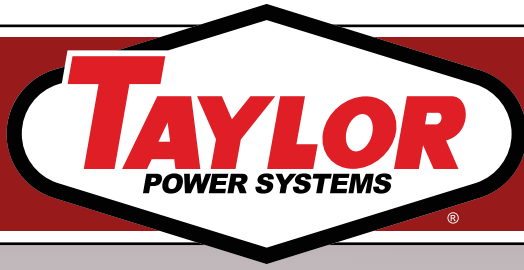


TG1250



EPA Certified / Stationary Emergency

OUTPUT POWER OPTIONS					Natural Gas STANDBY RATING		sKVA
Make	Voltage	Alternator	Phase	Hertz	kW/kVA	Amps	30% Voltage Dip
Stamford	600	S6L1D-H4-07	3	60	1250/1563	1505	5100
	277/480	S6L1D-H41-312	3	60	1250/1563	1882	4900

**Engine Data**

Manufacturer	PSI
Model	52.3L
Aspiration	Turbocharged
Arrangement	V-16, 4-Cycle
Displacement: L (in. ³)	52.3 (3192.0)
Bore: mm (in.)	150.00 (5.91)
Stroke: mm (in.)	185.00 (7.28)
Compression Ratio	10.5:1
Gross Horsepower	1926
BMEP: psi (kPa)	265.00 (1827.11)
Rated RPM	1800
Governor	Isochronous
Speed Regulation	±0.50%

Engine Liquid Capacity

Oil System: qt. (L)	180.7 (171.0)
Cooling Capacity: gal (L)	65.4 (248.0)

Engine Electrical

Electric Volts: DC	24
Cold Cranking Amps	1100
Battery(s) Required	2

Fuel System

Fuel Supply Size	(2) 4.00" ANSI
Supply Pressure: in. H ₂ O (kPa)	20-30 (4.98-7.47)

Air Requirements

Air Filter(s) Type	Dry
Combustion Air Flow: CFM (m ³ /min)	2653 (75)
Maximum Air Intake Restriction	
Clean: in. H ₂ O (kPa)	5.2 (1.3)
Dirty: in. H ₂ O (kPa)	15.00 (3.74)
Radiator Air Flow: CFM (m ³ /min)	68,000 (1922)

Exhaust System

Gas Temperature: °F (°C)	1247 (675)
Gas Flow: CFM (m ³ /min)	8403 (127)
Max Back Pressure: in. H ₂ O (kPa)	51.71 (12.87)

Filters and Quantity

Air Cleaner Quantity	2
Oil Filter(s) Quantity	6

Fuel Consumption

At 100% of Power Rating: CFH (m ³ /hr)	15,193 (430)
At 75% of Power Rating: CFH (m ³ /hr)	11,552 (327)
At 50% of Power Rating: CFH (m ³ /hr)	8107 (230)
At 25% of Power Rating: CFH (m ³ /hr)	4859 (138)

GENERAL GUIDELINES FOR DERATION: Altitude: Derate 0.5% per 100m (328 ft.) Elevation above 1000m (3279 ft.) Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F)

RATINGS: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor.

125° RATINGS: 125° apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271. For limited running time and base load ratings consult the factory. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever.

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	4156	
Voltage Regulator	MX341	MX321
Sensing	Single Phase	Three Phase
Voltage Regulation	1.0%	0.50%

Features

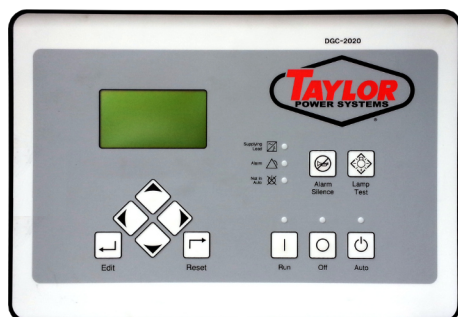
- BS EN 60034, BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2-100, and AS1359 complaint
- IP23 enclosure
- Dynamically balanced to exceed BS6861:Part 1 Grade 2.5 vibration standard
- Quality assurance to BS EN ISO 9001
- Self-ventilated and Drip proof construction
- Two-thirds pitch stator and skewed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

Control Panels



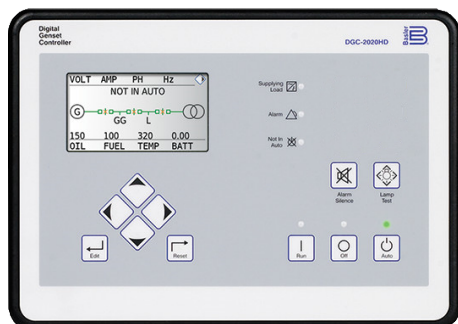
DeepSea 7310 MKII

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



Basler DGC2020HD

SAE J1939 Engine ECU Communications
16 Programmable Inputs & 12 Outputs
Dual Copper Ethernet Ports (Fiber Optional)
Load Sharing of kW and kVAR over Ethernet
UL Recognized, CSA & CE Certified
IP 54 Front Panel Rating
NFPA 110 Level 1 Compatible
Optional Color Touch Screen
Manual Override Keyswitch



Standard Features:

Warranty

2 Year Standard
5 Year Comprehensive

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

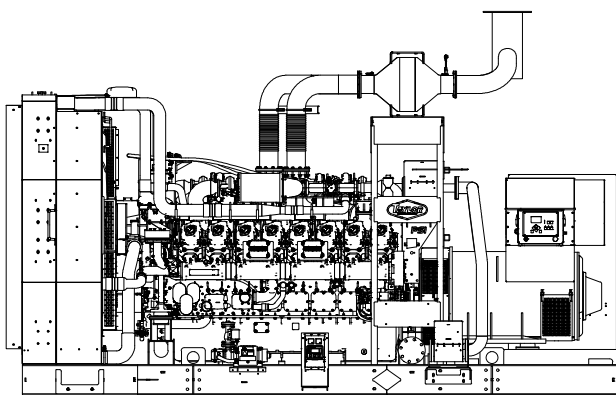
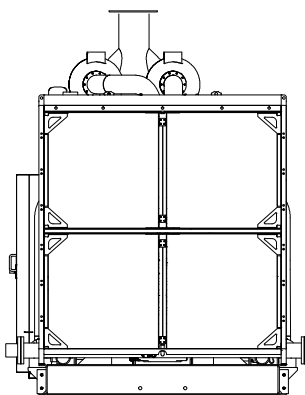
Miscellaneous Options:

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

Open Unit

Options:

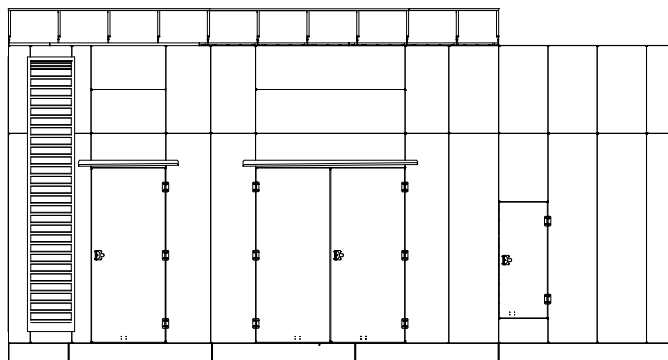
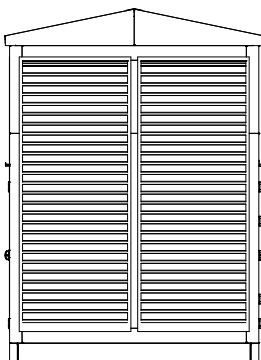
- Radiator Duct Flange
- Flex Exhaust
- Critical Silencer



Standard Enclosed Unit

Options:

- Sound Attenuated Enclosure
- Load Center, Lights & GFI Receptacle



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