GFE415BSC
(Canopied)

*image for illustration purposes only, actual product may differ

Engine	Alternator	Model
Baudouin 6M21G2D0/S	Stamford S4L1D-E41	GFE415BSC (Canopied)

			Power factor	Emissions
50Hz	1500rpm	3-Phase	Factor Φ = 0.8	N/A

Ratings	Prime Power		Standby Power		Rated current	Fuel consumption
Voltage	(PRP)		(ESP)		Amps	@100% load
(V)	kWe	kVA	kWe	kVA	(A)	L/h
400/230	288	360	332	415	519.6	82.1

Ratings	All three phase generator sets are rated at 0.8 power factor. All single-phase generator sets are rated at unity or 1.0 power factor.
Prime output	This rating is applicable for supplying continuous electrical power at variable load. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.
Standby output	This rating is applicable for supplying electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings.

The above ratings are in accordance with ISO8528-1 and ISO3046-1. Standard reference conditions: 25°C, 100m A.S.L., 30% relative humidity.

Engine

Baudouin 6M21G2D0/S

		Units	
General performance	Frequency	Hz	50
	Type		4-Stroke, Diesel Fuel
	Engine speed	r/min	1500
	Number of cylinders / arrangement		6 cyl / In-line
	Displacement	Litres	12.54
	Aspiration		Turbocharged
	Combustion system		Direct injection
	Governor type		Electronic
	Bore / stroke	mm	127 x 165
	Compression ratio		16:1
	Engine power (Gross)	kW	Prime: 350 Standby: 385
	Cooling system		Water cooled
	Rotation		Anti-clockwise viewed on flywheel
Fuel system	Fuel consumption at 110% Prime Power	Litres/Hour	91.3
	Fuel consumption at 100% Prime Power	Litres/Hour	82.1
	Fuel consumption at 75% Prime Power	Litres/Hour	60.7
	Fuel consumption at 50% Prime Power	Litres/Hour	41
	Standard fuel tank capacity	Litres	525
Air system	Air inlet		Mounted air filter
	Air filter type		Dry
Fuel and fuel system	P Type pump - Common Rail		YES
	Duplex fuel filter		YES
Oil system	Total oil system capacity	Litres	32
	Maximum sump capacity	Litres	N/A
	Wet sump with filler and dipstick		YES
	Full-flow spin-on oil filters		YES
Cooling system	Total system capacity		
	- With radiator	Litres	45
	- Without radiator	Litres	N/A
	Thermostat operation range	°C	up to 50°C
	Maximum top tank temperature	°C	N/A
Electric system	Electrical system voltage	VDC	12
	Battery		Maintenance free
Available options	Battery charger		*Included*
	Engine water heater		*Included*
	Battery isolator switch		*Optional*

Alternator

Stamford S4L1D-E41

		Units	
General data	Manufacturer / brand		STAMFORD
	Model		S4L1D-E41
	Coupling / number of bearings		Flexible Disc / Single Bearing
	Phase / Poles		3-Phase / 4-Pole
	Power factor		Cos Φ = 0.8
	AVR Regulation		Yes
	Voltage Regulation		±1 %
	Insulation class		H
	Drip proof		IP23
	Excitation		AVR, Brushless
	Altitude	m	≤1000
	Overspeed	min -1	2250

Deep Sea Controller Summary

Controller model / LCD Display Type	Optional: DSE4520	Optional: DSE6120	Included: DSE7320	Optional: DSE8610
				
Standard supply	○	○	●	○
Viewable parameters				
Phase voltage	×	3	3	3
Current	Instrumentation	●	●	●
Frequency	●	●	●	●
Active power	○	●	●	●
Reactive power	○	●	●	●
Apparent power	×	●	●	●
Power factor	○	●	●	●
Generator protection				
Abnormal voltage	●	●	●	●
Overcurrent warning	○	●	●	●
Overcurrent protection	●	●	●	●
Over frequency protection	●	●	●	●
Engine figure				
Oil pressure	●	●	●	●
Coolant temperature	●	●	●	●
Fuel meter / fuel sensor	●/○	●/○	●/○	●/○
Speed	●	●	●	●
Battery voltage	●	●	●	●
Elapsed time	●	●	●	●
Engine protection				
Low oil pressure warning	×	●	●	●
Low oil pressure protection	●	●	●	●
High temperature warning	○	●	●	●
High temperature protection	●	●	●	●
Overspeed warning	×	●	●	●
Overspeed protection	○	●	●	●
Alternator charger	●	●	●	●
Functions				
Remote start	●	●	●	●
AMF (Auto Main Failure)	●	●	●	●
Programmable input	●	●	●	●
Programmable output	●	●	●	●

Remark: ● Standard supply ○ Available as optional × Not available

GFE Enclosure / Canopy

“Ensure a quieter life with our sound attenuation system.”

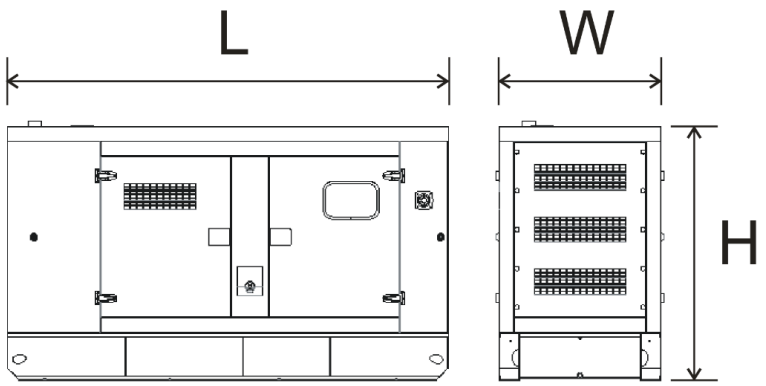
Sound-attenuated or open option

Features

Extremely rugged and highly corrosion resistant construction
Compatible with 2000/14/EC directives, certified noise emission level
2 or 4 point lifting for transport according to cabin size with certain models also including fork pockets
Hidden exhaust inside the canopy with weather flap to the exterior
Emergency stop button located on the canopy
Improved air suction channel to ensure homogenous cooling in the canopy
Filler Lid on top of canopy for radiator and antifreeze top up
Power coated paint system protecting against corrosion and rust
Improved sound insulation performance
Demounted parts for easier transportation and maintenance

Overall dimensions, weight and noise

Frame type	Dimensions	Weight	Base tank @100% load		Noise level
	(W x L x H) mm	kg	Hours	Litres	dB(A) at 7m at 75% Load
Canopied	1504x3958x2384	3604	6.4	525	TBC



GFE Automatic Transfer Switch

A.T.S - 4 Poles

We offer as an optional accessory, not only a changeover switch but also an integrated mains detection and switch system for your 24 hour power protection. The system enables automatic start-up and operation of the generating set in the event of a mains power failure, overvoltage or loss of a mains automatic retransfer once it comes back.

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System advantages

Automatically transfer and re-transfer load from main power to gen-power without operator intervention (both automatic and manual)
ATS Controller (AMF function)
Available from 32 - 4000A
Available in standard, bypass isolation and service-entrance configurations
Configurable in open, closed and programmed transition operating modes
Designed to interface seamlessly with all AMF generators and switchgear
Drip proof IP42 enclosure
Easy installation: wall-mounted and floor standing

Warranty coverage

Generators used with commercial utility source: From One (1) to Two (2) years. Please see our Warranty Terms and Conditions of sale.