

# GFE220BSC (Canopied)



\*image for illustration purposes only, actual product may differ

Engine	Alternator	Model	Power factor	Emissions
Baudouin 6M16G2D0/S	Stamford UCI274H	GFE220BSC (Canopied)	Factor $\Phi = 0.8$	N/A
50Hz	1500rpm	3-Phase		
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	160      200	176      220	288.7	43.1

**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 6M16G2D0/S

		Units	
<b>General performance</b>	Frequency	Hz	50
	Type		4-Stroke, Diesel Fuel
	Engine speed	r/min	1500
	Number of cylinders / arrangement		6 cyl / In-line
	Displacement	Litres	9.73
	Aspiration		Turbocharged
	Combustion system		Direct injection
	Governor type		Electronic
	Bore / stroke	mm	126 x 130
	Compression ratio		17:1
	Engine power (Gross)	kW	Prime: 187      Standby: 204
	Cooling system		Water cooled
Rotation		Anti-clockwise viewed on flywheel	
<b>Fuel system</b>	Fuel consumption at 110% Prime Power	Litres/Hour	46.9
	Fuel consumption at 100% Prime Power	Litres/Hour	43.1
	Fuel consumption at 75% Prime Power	Litres/Hour	32.4
	Fuel consumption at 50% Prime Power	Litres/Hour	22.4
	Standard fuel tank capacity	Litres	525
<b>Air system</b>	Air inlet		Mounted air filter
	Air filter type		Dry
<b>Fuel and fuel system</b>	P Type pump - Common Rail		YES
	Duplex fuel filter		YES
<b>Oil system</b>	Total oil system capacity	Litres	30
	Maximum sump capacity	Litres	N/A
	Wet sump with filler and dipstick		YES
	Full-flow spin-on oil filters		YES
<b>Cooling system</b>	Total system capacity		
	- With radiator	Litres	42
	- Without radiator	Litres	N/A
	Thermostat operation range	°C	up to 50°C
	Maximum top tank temperature	°C	N/A
<b>Electric system</b>	Electrical system voltage	VDC	12
	Battery		Maintenance free
<b>Available options</b>	Battery charger		Included
	Engine water heater		Included
	Battery isolator switch		Optional

# Alternator

Stamford UCI 274H

		Units	
<b>General data</b>	Manufacturer / brand		STAMFORD
	Model		UCI 274H
	Coupling / number of bearings		Flexible Disc / Single Bearing
	Phase / Poles		3-Phase / 4-Pole
	Power factor		Cos $\Phi$ = 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
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Standard supply	○	○	●	○
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## 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	3071	12.2	525	71.7



# 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.

## System advantages

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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



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## Warranty coverage

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