



GFE88BSC (Canopied)



| Engine | Alternator | Model | Power factor | Emissions |
|-----------------------|---------------------|------------------------|---------------------|-----------|
| Baudouin 4M10G88/5 | Stamford UCI274C | GFE88BSC (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 | 63 78.7 | 70 87.5 | 113.6 | 18.8 |

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 4M10G88/5

| | | Units | |
|-----------------------------|--------------------------------------|-----------------------------------|----------------------------|
| General performance | Frequency | Hz | 50 |
| | Type | | 4-Stroke, Diesel Fuel |
| | Engine speed | r/min | 1500 |
| | Number of cylinders / arrangement | | 4 cyl / In-line |
| | Displacement | Litres | 4.087 |
| | Aspiration | | Turbocharged |
| | Combustion system | | Direct injection |
| | Governor type | | Electronic |
| | Bore / stroke | mm | 105 x 118 |
| | Compression ratio | | 18:1 |
| | Engine power (Gross) | kW | Prime: 72 Standby: 80 |
| | Cooling system | | Water cooled |
| Rotation | | Anti-clockwise viewed on flywheel | |
| Fuel system | Fuel consumption at 110% Prime Power | Litres/Hour | 21.3 |
| | Fuel consumption at 100% Prime Power | Litres/Hour | 18.8 |
| | Fuel consumption at 75% Prime Power | Litres/Hour | 13.5 |
| | Fuel consumption at 50% Prime Power | Litres/Hour | 9.1 |
| | Standard fuel tank capacity | Litres | 210 |
| 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 | 13 |
| | 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 | 17.9 |
| | - 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 UCI 274C

| | | Units | |
|---------------------|-------------------------------|--------|--------------------------------|
| General data | Manufacturer / brand | | STAMFORD |
| | Model | | UCI 274C |
| | 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 | 1104x2285x1620 | 1490 | 11.17 | 210 | 72.6 |



GFE Automatic Transfer Switch

A.T.S - 4 Poles

GFE Power Products 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

Automatically transfer and re-transfer load from main power to gen-power without operator intervention (both automatic and manual)

ATS Controller (AMF function), seamless integration with all GFE ATSS

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 GFE generators and switchgear

Drip proof IP42 enclosure

Easy installation: wall-mounted and floor standing



*image for illustration purposes only, actual product may differ

Warranty

GFE distributors, dealers or authorized representatives have warranty providing the operator performs a start-up within 6 months of the date of shipment from the factory, warranty coverage will begin on the start-up date (registering the start-up date to GFE within 6 months is essential and can be enforced). This warranty does not apply to malfunction caused by damages, unreasonable use, misuse, repair or service by unauthorized persons, or normal wear and tear. Warranty is supplied strictly in accordance with GFE's terms and conditions of sale and as per the warranty manual available on request.

Warranty coverage

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

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