



## 20 kVA BAUDOUIN SPEC SHEET GWBL20

### OPTIONS

**Control Panel:** AMF, Base Load/Key start or Synchronised

**Build Configuration:** Open Set, Weather Proof Build, and Sound Attenuated Build or Super Silent Build with Integrated Base Fuel Tank: 600Ltr Capacity

Powder Coated Generator Housing (Sound Attenuated Unit)



### STANDARD FEATURES

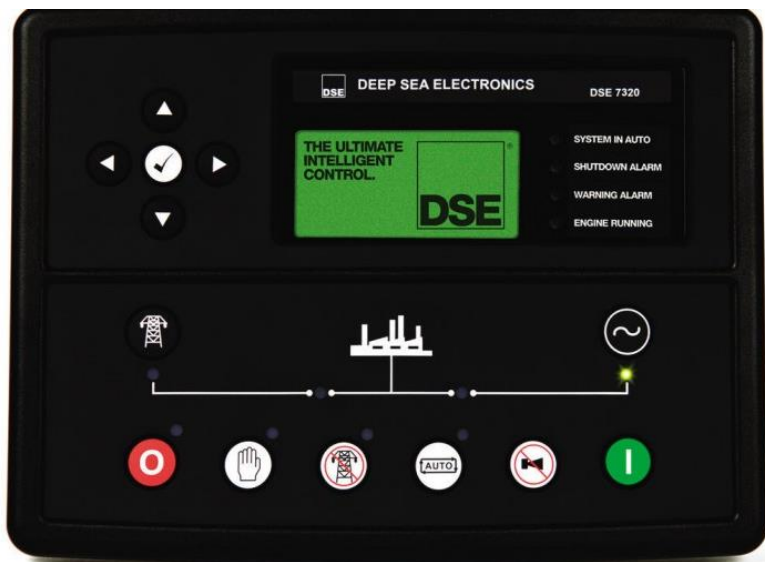
- Set-mounted, integrated AMF/ATS (AMF configured unit only)
- Deep Sea 7320 AMF PLC (AMF only)
- Deep Sea Battery Charger 24V
- Integrated Base Fuel Tank 600Ltr
- Emergency Stop Functionality
- Modular, Compact Design
- Water Jacket Heater standard on all units
- 3CR12 Residential Silencer
- Structural manufacturing, design and assembly Proudly South African

### CHANGEOVER – ATS SYSTEM

- Socomec or ABB 3 pole Fixed ACB's or Transfer Switch
- Electrically & Mechanically Interlocked Mains In / Generator Change over Configuration
- Breakers Fitted with Ekip or Ekip touch Trip Units for Integral Short Circuit and Overcurrent Protection

### AUXILIARY/STATIONARY FEATURES

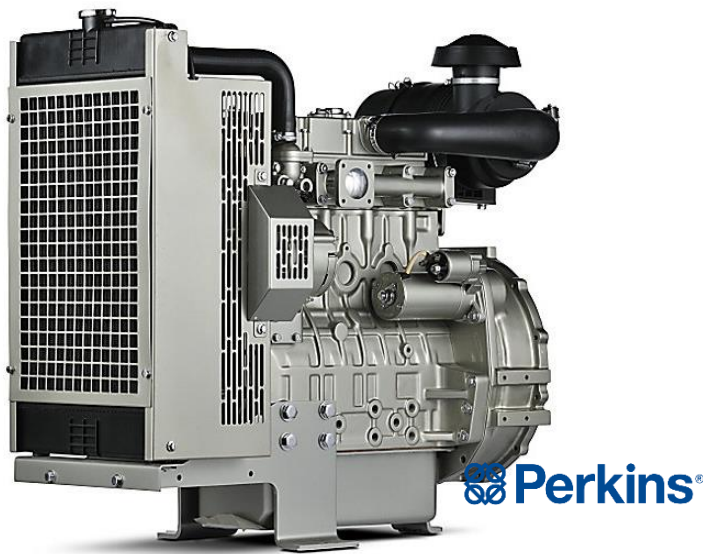
- On board 12Vdc Regulated Battery Charger
- Water Jacket Heater
- Optional Manual / Automatic Refuelling Systems Available



## CONTROL PANEL FEATURES:

- Full AMF – Auto Start Controller
- Intuitive Mains (Utility) Supply Monitoring
- Integral ATS Control & Monitoring
- Integral Engine / Alternator Management & Protection
- Optional Remote Monitoring & Control via WEBNET or GSM Modem
- Enhanced flexibility and True Customisation through integral PLC Editor
- Real Time Clock Provides Accurate Event Logging
- Advanced Engine Management via CANBUS on Electronic Engines

## DEEP SEA AMF 7320 CONTROL MODULE



| STANDARD ENGINE PROTECTION | STANDARD ALTERNATOR PROTECTION |
|----------------------------|--------------------------------|
| Low Oil Pressure           | Under/Over Frequency           |
| High & Low Engine Temp     | Over Current/Short Circuit     |
| Low Fuel Level             | Under/Over Voltage             |
| High & Low Battery Voltage | Phase Rotational Reversal      |
| Maintenance Alarm          | Phase Loss                     |

## GWBL20 SPECIFICATIONS

| MODEL      |                                   |             |          | GWBL20                          |
|------------|-----------------------------------|-------------|----------|---------------------------------|
| GROUP      | GEN-SET POWER                     | Stand By    | kVA      | 20                              |
|            |                                   | Prime       | kVA      | 22                              |
|            | Canopy Dimension                  | Open Build  | (L/W/H)  | 1710/800/1930                   |
|            |                                   | Soundproof  | (L/W/H)  | 1710/800/1930                   |
|            | Weight (Approx)                   | Open Build  | Kg       | 704                             |
|            |                                   | Soundproof  | Kg       | 752                             |
|            | Fuel Tank Capacity                |             | Ltrs     | 600 – 150 Run Hours Autonomy    |
| ENGINE     | Brand                             |             |          | Perkins                         |
|            | Model                             |             |          | 404A-22G1                       |
|            | Net Engine Output                 | PRP         | kWM      | 18                              |
|            |                                   | ESP         | kWM      | 20                              |
|            | Speed                             |             | RPM      | 1500                            |
|            | Cycle                             |             |          | Diesel 4 Stroke                 |
|            | Displacement                      |             | Ltrs     | 2.2                             |
|            | Number of Cylinders               |             |          | 4 In Line                       |
|            | Bore & Stroke                     |             | mm x mm  | 84 x 100                        |
|            | Compression Ratio                 |             |          | 23.3:1                          |
|            |                                   |             |          |                                 |
|            | Induction                         |             |          | Naturally Aspirated             |
|            | Combustion System                 |             |          | indirect Injection              |
|            | Cooling System                    |             |          | Liquid (water + 50% antifreeze) |
|            | Fuel Consumption                  | 100% of PRP | L/hr     | 5.3                             |
|            |                                   | 75% of PRP  | L/hr     | 4.0                             |
|            |                                   | 50% of PRP  | L/hr     | 2.9                             |
|            | Total Lubrication System Capacity |             | Ltrs     | 10.6                            |
|            | Total Engine Coolant Capacity     |             | Ltrs     | 7                               |
| ALTERNATOR | Brand                             |             |          | LEROY SOMER                     |
|            | Model                             |             |          | LSAP 40 M5                      |
|            | Speed & Frequency Voltage         |             |          | 1500 RPM 50HZ 400/231V          |
|            | Insulation                        |             |          | H/H                             |
|            | Protection                        |             |          | IP 23                           |
|            | Excitation                        |             |          | Shunt System                    |
|            | Voltage Regulation                |             |          | Analogue TA VR 20 + 0.8%        |
|            | Efficiency                        | 100% Load   | @ 0.8 PF | 88.2                            |
|            |                                   | 75% Load    | @ 0.8 PF | 88.8                            |
|            |                                   | 50% Load    | @ 0.8 PF | 88.5                            |
|            |                                   | 25% Load    | @ 0.8 PF | 84.5                            |
|            | Terminal Leads                    |             |          | 6                               |