

POWERLINK EB Baudouin Series Diesel Generator with Leroy Somer Alternator



Model: **B100SE3-AU**
 Frequency: **50Hz**
 Fuel type: **Diesel**
 Powered by: **BAUDOUIIN SERIES**

415-50Hz-3Phase

- Powerful heavy-duty Baudouin industrial diesel and low emissions engine
- Standard control module, automatic start of mains failure
- Weather protective and sound attenuated enclosure
- Comprehensive warranty and service

TECHNICAL SPECIFICATIONS

| | | | | |
|------------------------------|-------------------|---|---------------|---------------|
| Model | B100SE3-AU | | | |
| Power(ESP) | kVA/kw | 113 / 90 | | |
| Power(PRP) | kVA/kw | 100 / 80 | | |
| Voltage | V | 415 | | |
| Fuel Consumption | Litre/hour | Fuel consumption100% (of the Prime Power) | 21.3 L/h | |
| | | Fuel consumption75% (of the Prime Power) | 16.6 L/h | |
| | | Fuel consumption50% (of the Prime Power) | 10.6 L/h | |
| | | Fuel consumption25% (of the Prime Power) | 6.0 L/h | |
| Fuel Tank Capacity | Litre | 540 | | |
| Noise Level | dB(A)@7m | 70.1 | | |
| Dimensions and Weight | Length | Width | Height | Weight |
| | 2970 mm | 1172 mm | 1903 mm | 2053 kg |

ENGINE SPECIFICATIONS

| | |
|------------------------------|---------------------------|
| Manufacturer | Baudouin |
| Model | 4M10G2D3/5 |
| Engine Speed Rated | 1500 RPM |
| Cylinder /Arrangement | 4 |
| Displacement | 4.1L |
| Bore and Stroke | 105 mm × 118 mm |
| Compression Ratio | 17.5 |
| Intake Resistance | ≤6.0kPa |
| Injection Type | High Pressure Common Rail |
| Total Oil Capacity | 14 L |
| Coolant Capacity | 23.6 L |

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GENERATORS**
ESTABLISHED 1949

Power Anywhere Anytime | B100SE3-AU | 01.2023

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ALTERNATOR SPECIFICATIONS

| | |
|---------------------------------------|-----------------------|
| Manufacturer | Leroy Somer LSA44.3S5 |
| Phase | 3 |
| Power Factor | 0.8 |
| Bearing | 1 |
| Exciter type | Brushless |
| Insulation : Class , temperature rise | H |
| Degree of protection | IP23 |
| AVR model | R250 |
| Altitude | ≤1000m |
| Winding Pitch | 2/3 |
| Overspeed | 2250rpm |



AIR SYSTEM

| | |
|-----------------|-------------|
| Engine Air Flow | 1m³/s(50Hz) |
|-----------------|-------------|

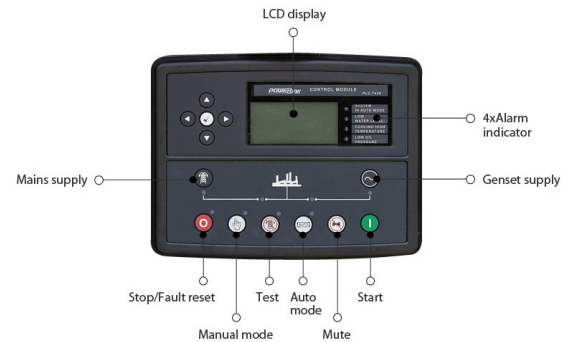
Note: All data sheets are for reference only and subject to change without prior notice.

CONTROL PANEL

| | |
|-----------|---------|
| Powerlink | PLC7420 |
|-----------|---------|

KEY FEATURES

- Microprocessor control, with high stability and credibility
- Monitoring and measuring operational parameters of the mains supply and genset
- Indicating operation status, fault conditions, all parameters and alarms
- Multiple protections; multiple parameters display, like pressure, temperature, etc...
- Manual, automatic and remote work mode selectable
- Real time clock for time and date display, overall runtime display, 250 log entries
- Overall power output display
- Integral speed/frequency detecting, telling status of start, rated operation, overspeed etc...
- Communication with PC via RS485 OR RS232 interface, using MODBUS protocol



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