

POWERLINK EB Baudouin Series Diesel Generator with Leroy Somer Alternator



Model: **B310SE3-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	B310SE3-AU			
Power(ESP)	kVA/kw	350 / 280		
Power(PRP)	kVA/kw	313 / 250		
Voltage	V	415		
Fuel Consumption	Litre/hour	Fuel consumption100% (of the Prime Power)	61.2 L/h	
		Fuel consumption75% (of the Prime Power)	47.7 L/h	
		Fuel consumption50% (of the Prime Power)	34.04 L/h	
		Fuel consumption25% (of the Prime Power)	18.15 L/h	
Fuel Tank Capacity	Litre	1590		
Noise Level	dB(A)@7m	75.7		
Dimensions and Weight	Length	Width	Height	Weight
	3970 mm	1319 mm	2401 mm	3916 kg

ENGINE SPECIFICATIONS

Manufacturer	Baudouin
Model	6M16G8D3/5
Engine Speed Rated	1500 RPM
Cylinder /Arrangement	6
Displacement	9.726 L
Bore and Stroke	126 mm x 130 mm
Compression Ratio	17.5
Intake Resistance	≤7.5kPa
Injection Type	High Pressure Common Rail
Total Oil Capacity	24 L
Coolant Capacity	50 L

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**MACFARLANE
GENERATORS**
ESTABLISHED 1949

Power Anywhere Anytime | B310SE3-AU | 01.2023

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ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA46.3L10
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)
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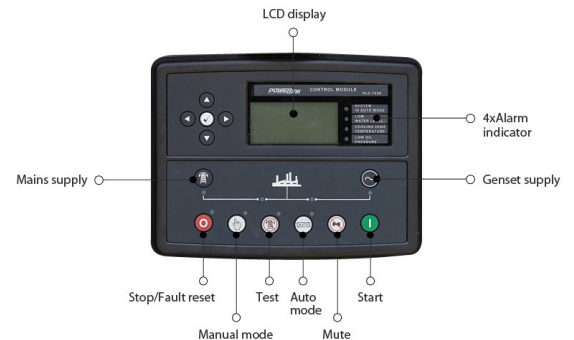
Note: All data sheets are for reference only and subject to change without prior notice.

CONTROL PANEL

Powerlink	PLC7420
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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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