

# POWERLINK EB Baudouin Series Diesel Generator with Leroy Somer Alternator



Model: **B500SE3-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

<b>Model</b>	<b>B500SE3-AU</b>			
<b>Power(ESP)</b>	kVA/kw	550 / 440		
<b>Power(PRP)</b>	kVA/kw	500 / 400		
<b>Voltage</b>	V	415		
<b>Fuel Consumption</b>	Litre/hour	Fuel consumption100% (of the Prime Power)	99.2 L/h	
		Fuel consumption75% (of the Prime Power)	80.5 L/h	
		Fuel consumption50% (of the Prime Power)	61.6 L/h	
		Fuel consumption25% (of the Prime Power)	29.2 L/h	
<b>Fuel Tank Capacity</b>	Litre	1350		
<b>Noise Level</b>	dB(A)@7m	77.5		
<b>Dimensions and Weight</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Weight</b>
	4520 mm	1635 mm	2536 mm	5052 kg

### ENGINE SPECIFICATIONS

<b>Manufacturer</b>	Baudouin
<b>Model</b>	6M21G8D3/5
<b>Engine Speed Rated</b>	1500 RPM
<b>Cylinder /Arrangement</b>	6
<b>Displacement</b>	12.54 L
<b>Bore and Stroke</b>	127 mm × 165 mm
<b>Compression Ratio</b>	15.2
<b>Intake Resistance</b>	≤7.0 kPa
<b>Injection Type</b>	High Pressure Common Rail
<b>Total Oil Capacity</b>	38 L
<b>Coolant Capacity</b>	62 L

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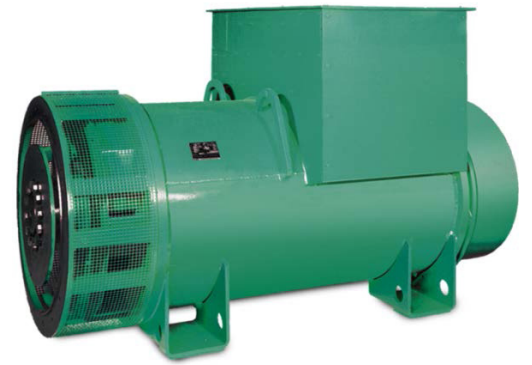
**MACFARLANE  
GENERATORS**  
ESTABLISHED 1949

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## ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA47.2M7
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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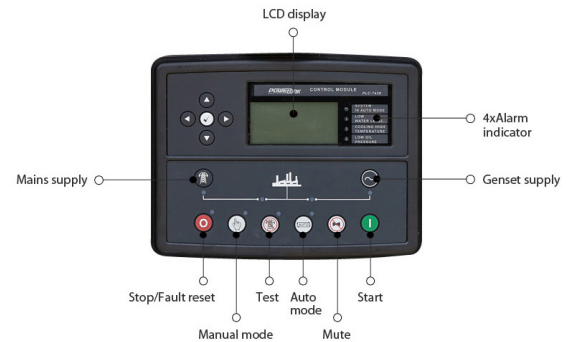
Note: All data sheets are for reference only and subject to change without prior notice.

## 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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