

# POWERLINK EP Perkins Series Diesel Generator with Leroy Somer Alternator



Model: **WPS1000S-AU**  
 Frequency: **50Hz**  
 Fuel type: **Diesel**  
 Powered by: **PERKINS SERIES**

- Powerful heavy-duty Perkins industrial diesel and low emissions engine
- Intelligent control - Manual & Remote start
- Weather protective and sound attenuated enclosure
- Comprehensive warranty and service

## 415/240V-50Hz-3Phase

### TECHNICAL SPECIFICATIONS

<b>Model</b>	<b>WPS1000S-AU</b>			
<b>Power(ESP)</b>	kVA/kw	1100/880		
<b>Power(PRP)</b>	kVA/kw	1000/800		
<b>Voltage</b>	V	415/240		
<b>Fuel Consumption</b>	Litre/hour	Fuel consumption100% (of the Prime Power)	215 L/h	
		Fuel consumption75% (of the Prime Power)	162 L/h	
		Fuel consumption50% (of the Prime Power)	111 L/h	
		Fuel consumption25% (of the Prime Power)	N/A	
<b>Fuel Tank Capacity</b>	Litre	1150		
<b>Noise Level</b>	dB(A)@7m	77.7dBA		
<b>Dimensions and Weight</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Weight</b>
	5200 mm	1600 mm	2450 mm	9500 kg

### ENGINE SPECIFICATIONS

<b>Manufacturer</b>	Perkins
<b>Model</b>	4008-TAG2
<b>Engine Speed Rated</b>	1500 RPM
<b>Cylinder /Arrangement</b>	8
<b>Displacement</b>	30 L
<b>Bore and Stroke</b>	160 mm x 190 mm
<b>Compression Ratio</b>	13.6
<b>Intake Resistance</b>	< 3.7kPa
<b>Governor Type</b>	Direct injection, Turbocharged
<b>Total Oil Capacity w/Filters</b>	153 L
<b>Coolant Capacity</b>	149 L

PROUDLY 100% AUSTRALIAN OWNED

**MACFARLANE  
GENERATORS**  
ESTABLISHED 1949

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## ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA49.3L10
Phase	3
Power Factor	0.8
Bearing	1
Exciter type	Brushless
Insulation : Class , temperature rise	H
Degree of protection	IP23
AVR model	D350
Altitude	≤1000m
Winding Pitch	2/3
Overspeed	2250rpm



## AIR SYSTEM

Engine Air Flow	1.614m³/s(50Hz)
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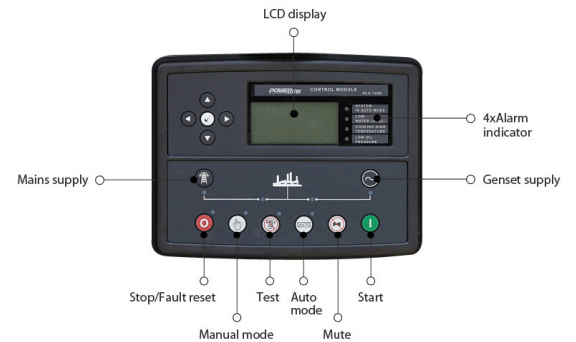
Note: All data sheets are for reference only and subject to change without prior notice.

## 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, temp. 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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