

# POWERLINK EP Perkins Series Diesel Generator with Leroy Somer Alternator



Model: **WPS80S-AU**  
 Frequency: **50Hz**  
 Fuel type: **Diesel**  
 Powered by: **PERKINS SERIES**

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

- 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

## TECHNICAL SPECIFICATIONS

<b>Model</b>	<b>WPS80S-AU</b>			
<b>Power(ESP)</b>	kVA/kw	88/70		
<b>Power(PRP)</b>	kVA/kw	80/64		
<b>Voltage</b>	V	415/240		
<b>Fuel Consumption</b>	Litre/hour	Fuel consumption100% (of the Prime Power)	18.7 L/h	
		Fuel consumption75% (of the Prime Power)	14 L/h	
		Fuel consumption50% (of the Prime Power)	9.7 L/h	
		Fuel consumption25% (of the Prime Power)	5.2 L/h	
<b>Fuel Tank Capacity</b>	Litre	550		
<b>Noise Level</b>	dB(A)@7m	59.2		
<b>Dimensions and Weight</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Weight</b>
	2778 mm	1150 mm	1900 mm	1810 kg

## ENGINE SPECIFICATIONS

<b>Manufacturer</b>	Perkins
<b>Model</b>	1104A-44TG2
<b>Engine Speed Rated</b>	1500 RPM
<b>Cylinder /Arrangement</b>	4
<b>Displacement</b>	4.4 L
<b>Bore and Stroke</b>	105 mm x 127 mm
<b>Compression Ratio</b>	17.25
<b>Frequency Regulation , steady state</b>	±0.5%
<b>Governor Type</b>	Mechanical
<b>Total Oil Capacity w/Filters</b>	8.0 L
<b>Coolant Capacity</b>	13 L

PROUDLY 100% AUSTRALIAN OWNED

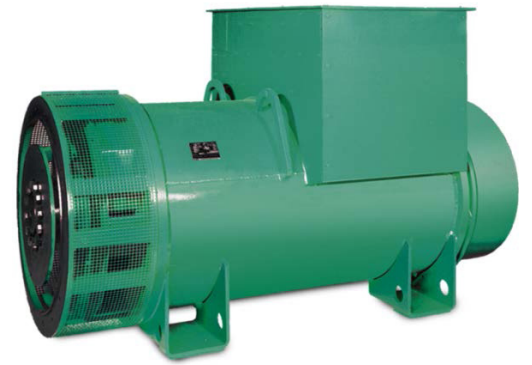
**MACFARLANE  
GENERATORS**  
ESTABLISHED 1949

Power Anywhere Anytime | WPS80S-AU | 01.2023

MACFARLANEGENERATORS.COM.AU

## ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA44.3S3
Phase	3
Power Factor	0.8
Bearing	1
Exciter type	Brushless, SHUNT
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	0.25m³/s(50Hz)
-----------------	----------------

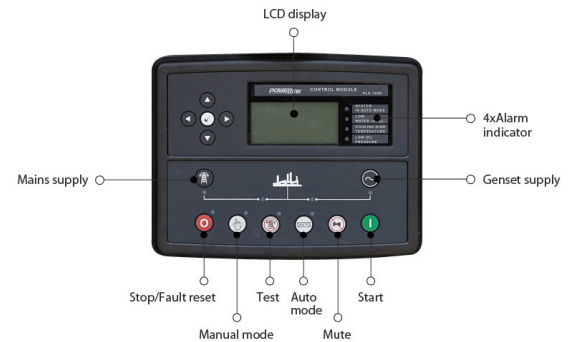
Note: All data sheets are for reference only and subject to change without prior notice.

## 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, 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



PROUDLY 100% AUSTRALIAN OWNED

# MACFARLANE GENERATORS

ESTABLISHED 1949

POWER ANYWHERE ANYTIME

MELBOURNE | SYDNEY | BRISBANE

www.macfarlanegenerators.com.au | info@macgen.com

SALES | SERVICE | SPARES | HIRE | NEW | USED