

POWERLINK EP Perkins Series Diesel Generator with Leroy Somer Alternator



Model: **WPS100S-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

Model	WPS100S-AU			
Power(ESP)	kVA/kw	110/88		
Power(PRP)	kVA/kw	100/80		
Voltage	V	415/240		
Fuel Consumption	Litre/hour	Fuel consumption100% (of the Prime Power)	22.6 L/h	
		Fuel consumption75% (of the Prime Power)	17.1 L/h	
		Fuel consumption50% (of the Prime Power)	11.2 L/h	
		Fuel consumption25% (of the Prime Power)	N/A	
Fuel Tank Capacity	Litre	550		
Noise Level	dB(A)@7m	-		
Dimensions and Weight	Length	Width	Height	Weight
	2888 mm	1165 mm	1900 mm	1910 kg

ENGINE SPECIFICATIONS

Manufacturer	Perkins
Model	1104C-44TAG2
Engine Speed Rated	1500 RPM
Cylinder /Arrangement	4
Displacement	4.4 L
Bore and Stroke	105 mm x 127 mm
Compression Ratio	18.23
Frequency Regulation , steady state	±0.5%
Governor Type	Electronic fuel injection
Total Oil Capacity w/Filters	8.0 L
Coolant Capacity	12.6 L

PROUDLY 100% AUSTRALIAN OWNED

**MACFARLANE
GENERATORS**
ESTABLISHED 1949

Power Anywhere Anytime | WPS100S-AU | 01.2023

MACFARLANEGENERATORS.COM.AU

ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA44.3L10
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	0.25m³/s(50Hz)
-----------------	----------------

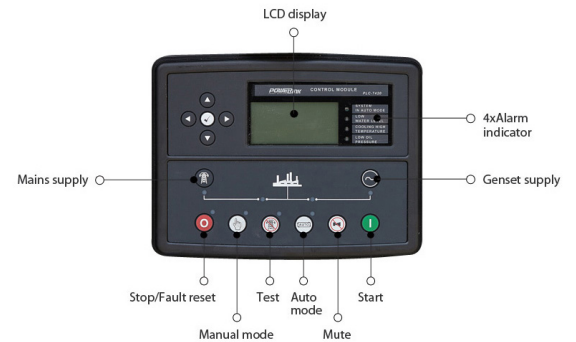
Note: All data sheets are for reference only and subject to change without prior notice.

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