

POWERLINK EP Perkins Series Diesel Generator with Leroy Somer Alternator



Model: **WPS180BS-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

Model	WPS180BS-AU			
Power(ESP)	kVA/kw	195/156		
Power(PRP)	kVA/kw	180/144		
Voltage	V	415/240		
Fuel Consumption	Litre/hour	Fuel consumption100% (of the Prime Power)	41.6 L/h	
		Fuel consumption75% (of the Prime Power)	31.8 L/h	
		Fuel consumption50% (of the Prime Power)	20.1 L/h	
		Fuel consumption25% (of the Prime Power)	10.8 L/h	
Fuel Tank Capacity	Litre	1087		
Noise Level	dB(A)@7m	-		
Dimensions and Weight	Length	Width	Height	Weight
	3518 mm	1222 mm	2050 mm	2947 kg

ENGINE SPECIFICATIONS

Manufacturer	Perkins
Model	1106A-70TAG2
Engine Speed Rated	1500 RPM
Cylinder /Arrangement	6
Displacement	7.01L
Bore and Stroke	105 mm x 135 mm
Compression Ratio	16
Frequency Regulation , steady state	±0.5%
Governor Type	Mechanical
Total Oil Capacity w/Filters	16.5 L
Coolant Capacity	21L

PROUDLY 100% AUSTRALIAN OWNED

**MACFARLANE
GENERATORS**
ESTABLISHED 1949

Power Anywhere Anytime | WPS180BS-AU | 01.2023

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ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA46.3S2
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)
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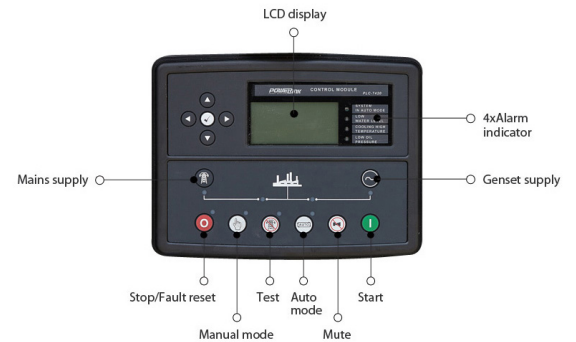
Note: All data sheets are for reference only and subject to change without prior notice.

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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