

# 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

<b>Model</b>	<b>WPS180BS-AU</b>			
<b>Power(ESP)</b>	kVA/kw	198/158		
<b>Power(PRP)</b>	kVA/kw	180/144		
<b>Voltage</b>	V	415/240		
<b>Fuel Consumption</b>	Litre/hour	Fuel consumption100% (of the Prime Power)	39.6 L/h	
		Fuel consumption75% (of the Prime Power)	30.7 L/h	
		Fuel consumption50% (of the Prime Power)	18.8 L/h	
		Fuel consumption25% (of the Prime Power)	10.8 L/h	
<b>Fuel Tank Capacity</b>	Litre	950		
<b>Noise Level</b>	dB(A)@7m	72.1		
<b>Dimensions and Weight</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Weight</b>
	3468 mm	1142 mm	2093 mm	2820.06 kg

### ENGINE SPECIFICATIONS

<b>Manufacturer</b>	Perkins
<b>Model</b>	1106A-70TAG3
<b>Engine Speed Rated</b>	1500 RPM
<b>Cylinder /Arrangement</b>	6
<b>Displacement</b>	7.01L
<b>Bore and Stroke</b>	105 mm x 135 mm
<b>Compression Ratio</b>	16.5
<b>Frequency Regulation , steady state</b>	±0.5%
<b>Governor Type</b>	Direct
<b>Total Oil Capacity w/Filters</b>	16.5 L
<b>Coolant Capacity</b>	20.5 L

PROUDLY 100% AUSTRALIAN OWNED

**MACFARLANE  
GENERATORS**  
ESTABLISHED 1949

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## ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LAS44.3VL13
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	0.37m³/s(50Hz)
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Note: All data sheets are for reference only and subject to change without prior notice.

## CONTROL PANEL

ComAp	IntelliLite 4 AMF9
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### KEY FEATURES

- Easy configuration with IntelliConfig
- Remote monitoring
- Cyber security by design
- Easy troubleshooting
- Built-in PLC logic
- Flexible platform
- Stand-by and prime power application control
- Zero power mode
- Secure user management



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