

# POWERLINK EP Perkins Series Diesel Generator with Leroy Somer Alternator



Model: **WPS45S-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>WPS45S-AU</b>			
<b>Power(ESP)</b>	kVA/kw	50/40		
<b>Power(PRP)</b>	kVA/kw	45/36		
<b>Voltage</b>	V	415/240		
<b>Fuel Consumption</b>	Litre/hour	Fuel consumption100% (of the Prime Power)	10.7 L/h	
		Fuel consumption75% (of the Prime Power)	8.2 L/h	
		Fuel consumption50% (of the Prime Power)	5.7 L/h	
		Fuel consumption25% (of the Prime Power)	3.4 L/h	
<b>Fuel Tank Capacity</b>	Litre	320		
<b>Noise Level</b>	dB(A)@7m	-		
<b>Dimensions and Weight</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Weight</b>
	2300 mm	1050 mm	1703 mm	1389 kg

## ENGINE SPECIFICATIONS

<b>Manufacturer</b>	Perkins
<b>Model</b>	1103A-33TG1
<b>Engine Speed Rated</b>	1500 RPM
<b>Cylinder /Arrangement</b>	3
<b>Displacement</b>	3.3 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>	Direct Injection
<b>Total Oil Capacity w/Filters</b>	8.31L
<b>Coolant Capacity</b>	10.2 L

PROUDLY 100% AUSTRALIAN OWNED

**MACFARLANE  
GENERATORS**  
ESTABLISHED 1949

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## ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA42.3M7
Phase	3
Power Factor	0.8
Bearing	1
Exciter type	Brushless, SHUNT
Insulation : Class , temperature rise	H
Degree of protection	IP23
AVR model	R220
Altitude	≤1000m
Winding Pitch	2/3
Overspeed	2250rpm



## AIR SYSTEM

Engine Air Flow	0.10m³/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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