

# POWERLINK EP Perkins Series Diesel Generator with Leroy Somer Alternator



Model: **WPS30S-AU**  
 Frequency: **50Hz**  
 Fuel type: **Diesel**  
 Powered by: **PERKINS SERIES**

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

- Powerful heavy-duty Perkins industrial diesel and low emissions engine
- Standard control module, automatic start of mains failure
- Weather protective and sound attenuated enclosure
- Comprehensive warranty and service

## TECHNICAL SPECIFICATIONS

<b>Model</b>	<b>WPS30S-AU</b>			
<b>Power(ESP)</b>	kVA/kw	33/26		
<b>Power(PRP)</b>	kVA/kw	30/24		
<b>Starter Voltage</b>	V	30		
<b>Fuel Consumption</b>	Litre/hour	Fuel consumption100% (of the Prime Power)	7.1L/h	
		Fuel consumption75% (of the Prime Power)	5.4 L/h	
		Fuel consumption50% (of the Prime Power)	N/A	
		Fuel consumption25% (of the Prime Power)	N/A	
<b>Fuel Tank Capacity</b>	Litre	360		
<b>Noise Level</b>	dB(A)@7m	58.1		
<b>Dimensions and Weight</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Weight</b>
	1342 mm	2338 mm	1080 mm	1700 kg

## ENGINE SPECIFICATIONS

<b>Manufacturer</b>	Perkins
<b>Model</b>	1103A-33G
<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>	19.25
<b>Frequency Regulation , steady state</b>	±0.5%
<b>Governor Type</b>	Mechanical
<b>Total Oil Capacity w/Filters</b>	8.31L
<b>Coolant Capacity</b>	10.2 L

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**MACFARLANE  
GENERATORS**  
ESTABLISHED 1949

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## ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA42.3VS3
Phase	3
Power Factor	1
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	0.10m³/s(50Hz)
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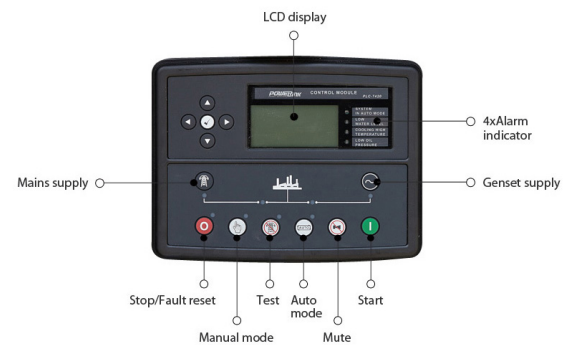
Note: All data sheets are for reference only and subject to change without prior notice.

## 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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