

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
- Standard control module, automatic start of mains failure
- Weather protective and sound attenuated enclosure
- Comprehensive warranty and service

TECHNICAL SPECIFICATIONS

Model	WPS45S-AU			
Power(ESP)	kVA/kw	50/40		
Power(PRP)	kVA/kw	45/36		
Starter Voltage	V	45		
Fuel Consumption	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	
Fuel Tank Capacity	Litre	360		
Noise Level	dB(A)@7m	-		
Dimensions and Weight	Length	Width	Height	Weight
	2338 mm	1080 mm	1701 mm	1390 kg

ENGINE SPECIFICATIONS

Manufacturer	Perkins
Model	1103A-33TG1
Engine Speed Rated	1500 RPM
Cylinder /Arrangement	3
Displacement	3.3 L
Bore and Stroke	105 mm x 127 mm
Compression Ratio	17.25
Frequency Regulation , steady state	±0.5%
Governor Type	Mechanical
Total Oil Capacity w/Filters	8.31L
Coolant Capacity	10.2L

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**MACFARLANE
GENERATORS**
ESTABLISHED 1949

Power Anywhere Anytime | WPS45S-AU | 07.2020

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ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA42.3M7
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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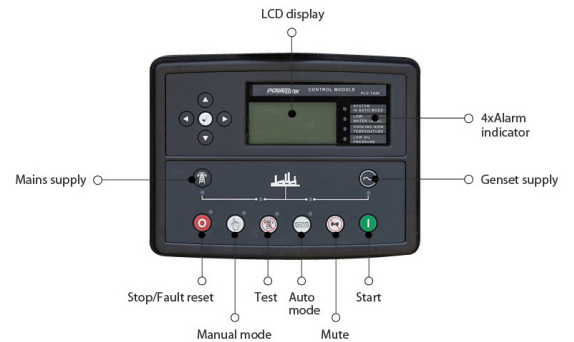
Note: All data sheets are for reference only and subject to change without prior notice.

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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