

# POWERLINK EP Perkins Series Diesel Generator with Leroy Somer Alternator



Model: **WPS20S-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>WPS20S-AU</b>			
<b>Power(ESP)</b>	kVA/kw	22/18		
<b>Power(PRP)</b>	kVA/kw	20/16		
<b>Voltage</b>	V	415/240		
<b>Fuel Consumption</b>	Litre/hour	Fuel consumption100% (of the Prime Power)	5.0L/h	
		Fuel consumption75% (of the Prime Power)	3.8 L/h	
		Fuel consumption50% (of the Prime Power)	2.7 L/h	
		Fuel consumption25% (of the Prime Power)	N/A	
<b>Fuel Tank Capacity</b>	Litre	140		
<b>Noise Level</b>	dB(A)@7m	65.1		
<b>Dimensions and Weight</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Weight</b>
	2292 mm	800 mm	1365.5 mm	906 kg

## ENGINE SPECIFICATIONS

<b>Manufacturer</b>	Perkins
<b>Model</b>	404D-22G
<b>Engine Speed Rated</b>	1500 RPM
<b>Cylinder /Arrangement</b>	4
<b>Displacement</b>	2.216 L
<b>Bore and Stroke</b>	84 mm × 100 mm
<b>Compression Ratio</b>	23.3
<b>Intake Resistance</b>	≤6.4kPa
<b>Governor Type</b>	Indirect Injection
<b>Total Oil Capacity w/Filters</b>	10.6 L
<b>Coolant Capacity</b>	7.0 L

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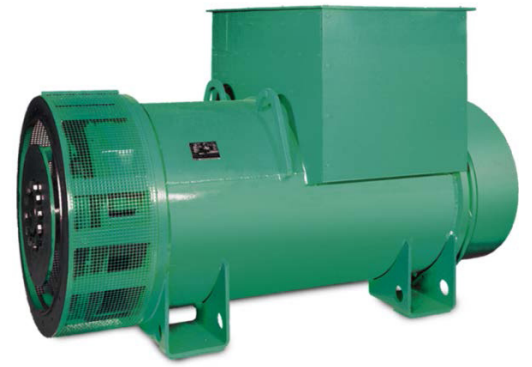
**MACFARLANE  
GENERATORS**  
ESTABLISHED 1949

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## ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA42.3VS3
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	5.3m <sup>3</sup> /min(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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# MACFARLANE GENERATORS

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