POWERLINK
EP Perkins Series Diesel Generator with Leroy Somer Alternator



Model: **WPS80S-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

Model	**WPS80S-AU**			
Power(ESP)	kVA/kw	88/70		
Power(PRP)	kVA/kw	80/64		
Voltage	V	415/240		
Fuel Consumption	Litre/hour	Fuel consumption100% (of the Prime Power)		18.7 L/h
		Fuel consumption75% (of the Prime Power)		14 L/h
		Fuel consumption50% (of the Prime Power)		9.7 L/h
		Fuel consumption25% (of the Prime Power)		5.2 L/h
Fuel Tank Capacity	Litre	530		
Noise Level	dB(A)@7m	68.6		
Dimensions and Weight	**Length**	**Width**	**Height**	**Weight**
	2778 mm	1165 mm	1901 mm	1831 kg

ENGINE SPECIFICATIONS

Manufacturer	Perkins
Model	1104A-44TG2
Engine Speed Rated	1500 RPM
Cylinder /Arrangement	4
Displacement	4.4 L
Bore and Stroke	105 mm × 127 mm
Compression Ratio	17.25
Intake Resistance	≦8kPa
Governor Type	Direct
Total Oil Capacity w/Filters	8.0 L
Coolant Capacity	13 L

ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA44.3S3
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	0.27m³/s(50Hz)

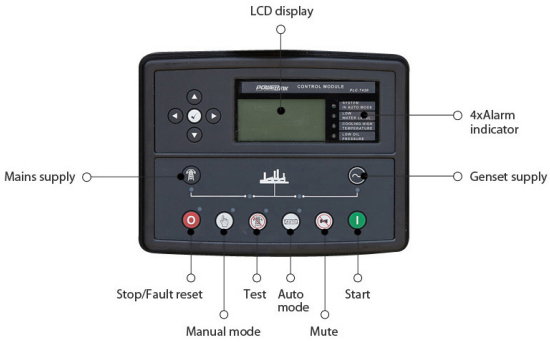
Note: All data sheets are for reference only and subject to change without prior notice.

CONTROL PANEL

Powerlink	PLC7420

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, over speed etc.
- Communication with PC via RS485 OR RS232 interface, using MODBUS protocol



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