POWERLINK
EP Perkins Series Diesel Generator with Leroy Somer Alternator

Model: **WPS600S-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	**WPS600S-AU**			
Power(ESP)	kVA/kw	650/520		
Power(PRP)	kVA/kw	591/473		
Voltage	V	415/240		
Fuel Consumption	Litre/hour	Fuel consumption100% (of the Prime Power)		129 L/h
		Fuel consumption75% (of the Prime Power)		96 L/h
		Fuel consumption50% (of the Prime Power)		63 L/h
		Fuel consumption25% (of the Prime Power)		N/A
Fuel Tank Capacity	Litre	945		
Noise Level	dB(A)@7m	77.5		
Dimensions and Weight	**Length**	**Width**	**Height**	**Weight**
	4692 mm	1700 mm	2488 mm	6653 kg

ENGINE SPECIFICATIONS

Manufacturer	Perkins
Model	2806C-E18TAG1A
Engine Speed Rated	1500 RPM
Cylinder /Arrangement	6
Displacement	18.13 L
Bore and Stroke	145 mm × 183 mm
Compression Ratio	14.5
Intake Resistance	≦6.35kPa
Governor Type	Turbocharged, Air-to-air charge cooled
Total Oil Capacity w/Filters	62 L
Coolant Capacity	61 L

ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA47.2L9
Phase	3
Power Factor	0.8
Bearing	1
Exciter type	Brushless
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	1m³/s(50Hz)

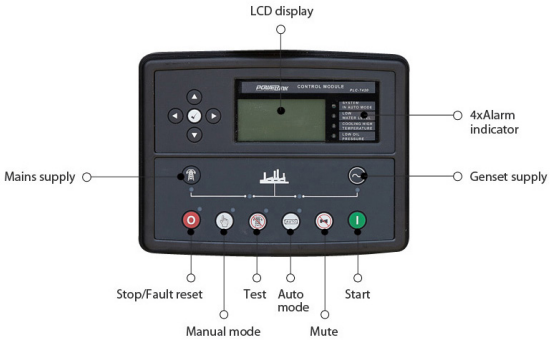
Note: All data sheets are for reference only and subject to change without prior notice.

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



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