

MAXiGEN

Diesel Generator Sets with Perkins Engine, Leroy Somer Alternator



Model: **TP88L**
Frequency: **50Hz**
Fuel type: **Diesel**
Powered by: **PERKINS SERIES**

415/240V-50Hz-3Phase

- Reliable heavy-duty Perkins, 4-cycle industrial diesel and low emissions engine
- Standard ComAp electronic control system with remote start/stop function
- Weather protective and sound attenuated enclosure
- Comprehensive warranty and service

TECHNICAL SPECIFICATIONS

Model	TP88L			
Power(ESP)	kVA / kw	88 / 70		
Power(PRP)	kVA / kw	80 / 64		
Starter Voltage	V	12		
Rated Rotation speed	r/min	1500		
Fuel Consumption	Litre/hour	Fuel consumption 110% (of the Prime Power)	20.5 L / h	
		Fuel consumption 100% (of the Prime Power)	18.7 L / h	
		Fuel consumption 75% (of the Prime Power)	14.0 L / h	
		Fuel consumption 50% (of the Prime Power)	9.7 L / h	
Fuel Tank Capacity	Litre	572		
Noise Level	dB(A)@7m	76		
Dimensions and Weight	Length	Width	Height	Weight
	3146 mm	1106 mm	2145 mm	2137 kg

ENGINE SPECIFICATIONS

Manufacturer	Perkins
Model	1104A-44TG2
Engine Speed Rated	1500 RPM
Cylinder /Arrangement	4 / L
Displacement	4.4 L
Bore and Stroke	105 mm x 127 mm
Compression Ratio	17.25:1
Max. Standby power at rated RPM	80.7 kW
Frequency Regulation , steady state	-
Governor Type	Mechanical
Total Oil Capacity w/Filters	8.0L

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**MACFARLANE
GENERATORS**

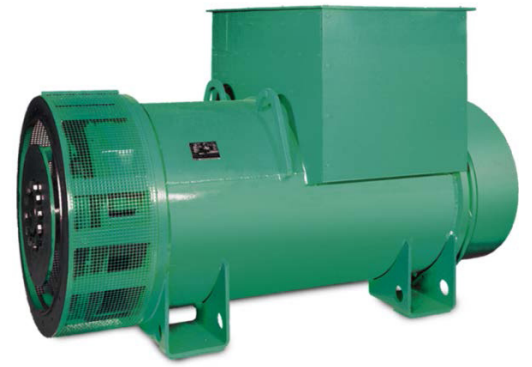
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ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer TAL-A44-C
Phase	3
Power Factor	0.8
Pole	4
Bearing	1
Coupling	Direct
Exciter type	Brushless SHUNT
Insulation : Class , temperature rise	H / H
Degree of protection	IP23
AVR model	R120
Altitude	≤1000m
Winding Pitch	2/3
Winding Leads	6/12



EXHAUST SYSTEM

Exhaust Gas Flow	13.3 m ³ /min
Exhaust Temperature	580°C
Max Back Pressure	10 kPa

AIR SYSTEM

Engine Air Flow	5.14 m ³ /min
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COOLANT SYSTEM

Radiator & Engine Capacity	13.0 L
Max Water Temperature	110°C
Thermostat	82 - 93°C

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

CONTROL PANEL

IntelliLite	IL-NT MRS16
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KEY FEATURES

- Manual and remote start capability
- 5 languages in the controller & translator functionality
- 3 level of password
- 3 sets of alternative configurations
- Magnetic pickup
- ECU support & tier 4 final ready
- Stage V support
- Plug-in module concept for more capabilities (RS232, RS485, Ethernet, GPRS, 4G/LTE, Modbus, SNMP, emails, SMS, I/Os)
- In-built PLC, complemented with a monitoring/debugging tool
- 8 binary outputs, 8 binary inputs, 4 analog inputs



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