

# MAXiGEN

## Diesel Generator Sets with Perkins Engine, Leroy Somer Alternator



Model: **TP110L**  
 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

<b>Model</b>	<b>TP110L</b>			
<b>Power(ESP)</b>	kVA / kw	105 / 84		
<b>Power(PRP)</b>	kVA / kw	95 / 76		
<b>Starter Voltage</b>	V	12		
<b>Rated Rotation speed</b>	r/min	1500		
<b>Fuel Consumption</b>	Litre/hour	Fuel consumption110% (of the Prime Power)	24.9 L / h	
		Fuel consumption100% (of the Prime Power)	22.6 L / h	
		Fuel consumption75% (of the Prime Power)	17.1 L / h	
		Fuel consumption50% (of the Prime Power)	11.8 L / h	
<b>Fuel Tank Capacity</b>	Litre	572		
<b>Noise Level</b>	dB(A)@7m	76		
<b>Dimensions and Weight</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Weight</b>
	3146 mm	1106 mm	2145 mm	2137 kg

### ENGINE SPECIFICATIONS

<b>Manufacturer</b>	Perkins
<b>Model</b>	1104C-44TAG2
<b>Engine Speed Rated</b>	1500 RPM
<b>Cylinder /Arrangement</b>	4 / L
<b>Displacement</b>	4.4 L
<b>Bore and Stroke</b>	105 mm x 127 mm
<b>Compression Ratio</b>	18.23 :1
<b>Max. Standby power at rated RPM</b>	103 kW
<b>Frequency Regulation , steady state</b>	-
<b>Governor Type</b>	Electrical
<b>Total Oil Capacity w/Filters</b>	8.0L

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**MACFARLANE  
GENERATORS**  
ESTABLISHED 1949

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## ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer TAL-A44-D
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	16.3 m <sup>3</sup> /min
Exhaust Temperature	543°C
Max Back Pressure	18 kPa

## AIR SYSTEM

Engine Air Flow	6.27 m <sup>3</sup> /min
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## COOLANT SYSTEM

Radiator & Engine Capacity	12.6 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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