

# MAXiGEN

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



Model: **TP10L**  
 Frequency: **50Hz**  
 Fuel type: **Diesel**  
 Powered by: **PERKINS SERIES**

### 240V-50Hz-1Phase

- 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	TP10L			
Power(ESP)	kVA/kW	10 / 8		
Power(PRP)	kVA/kW	9 / 7		
Rated Voltage	V	240		
Rated Rotation speed	r/min	1500		
Fuel Consumption	Litre/hour	Fuel consumption100% (of the Prime Power)	2.7 L / h	
		Fuel consumption75% (of the Prime Power)	2.1 L / h	
		Fuel consumption50% (of the Prime Power)	1.5 L / h	
Fuel Tank Capacity	Litre	132		
Noise Level (approx)	63dB(A) @ 7 m	70dB(A) @ 1 m		
Dimensions and Weight	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Weight</b>
	2196 mm	1106 mm	1530 mm	925 kg

#### ENGINE SPECIFICATIONS

Manufacturer	Perkins
Model	403D-11G
Engine Speed Rated	1500 RPM
Cylinder /Arrangement	3 / L
Displacement	1.131L
Bore and Stroke	77 mm × 81 mm
Compression Ratio	23:1
Max. Standby power at rated RPM	9.5 kW
Frequency Regulation , steady state	± 0.75%
Governor Type	Mechanical
Total Oil Capacity w/Filters	4.9L

PROUDLY 100% AUSTRALIAN OWNED

**MACFARLANE  
GENERATORS**  
ESTABLISHED 1949

Power Anywhere Anytime | MAXiGEN TP10L | 04.2024

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## ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA40VS1
Phase	1
Power Factor	0.8
Pole	2
Bearing	1
Coupling	Direct
Exciter type	SHUNT
Insulation : Class , temperature rise	H / H
Degree of protection	IP23
AVR model	R221
Altitude	≤1000m
Winding Pitch	2/3
Winding Leads	4



## EXHAUST SYSTEM

Exhaust Gas Flow	1.8m <sup>3</sup> /min
Exhaust Temperature	420°C
Max Back Pressure	10.2 kPa

## AIR SYSTEM

Engine Air Flow	0.7m <sup>3</sup> /min
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## COOLANT SYSTEM

Radiator & Engine Capacity	5.2 L
Max Water Temperature	112°C
Thermostat	75 - 87°C

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

## CONTROL PANEL

InteliLite	MRS16
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### KEY FEATURES

- Manual and remote start capability
- 5 languages in the controller & translator functionality
- 2 high-current E-Stop binary outputs
- Power over USB for controller configuration
- True RMS measurement
- Full remote communications support (AirGate 2.0, WSV)
- Detailed history log with up to 350 records
- Plug-in module concept for more capabilities (Modbus, Internet, SMS, inputs/outputs, Ethernet, 4G, TCP/RTU, SNMP v1/v2c)
- In-built PLC, complemented with a monitoring/debugging tool
- 8 binary outputs, 8 binary inputs, 4 analog inputs



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