

# MAXiGEN

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



Model: **TP15L**  
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

<b>Model</b>	<b>TP15L</b>			
<b>Power(ESP)</b>	kVA/kW	15 / 12		
<b>Power(PRP)</b>	kVA/kW	13 / 10		
<b>Rated Voltage</b>	V	240		
<b>Rated Rotation speed</b>	r/min	1500		
<b>Fuel Consumption</b>	Litre/hour	Fuel consumption100% (of the Prime Power)	3.67 L / h	
		Fuel consumption75% (of the Prime Power)	2.79 L / h	
		Fuel consumption50% (of the Prime Power)	2.04L / h	
<b>Fuel Tank Capacity</b>	Litre	75		
<b>Noise Level (approx)</b>	63dB(A) @ 7 m	70dB(A) @ 1 m		
<b>Dimensions and Weight</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Weight</b>
	1794 mm	1100 mm	1260 mm	946 kg

#### ENGINE SPECIFICATIONS

<b>Manufacturer</b>	Perkins
<b>Model</b>	403A-15G1
<b>Engine Speed Rated</b>	1500 RPM
<b>Cylinder /Arrangement</b>	3 / L
<b>Displacement</b>	1.496 L
<b>Bore and Stroke</b>	84 mm × 90 mm
<b>Compression Ratio</b>	22.5 : 1
<b>Max. Standby power at rated RPM</b>	13.5 kW
<b>Frequency Regulation , steady state</b>	≤ 0.75%
<b>Governor Type</b>	Mechanical
<b>Total Oil Capacity w/Filters</b>	6.0 L

PROUDLY 100% AUSTRALIAN OWNED

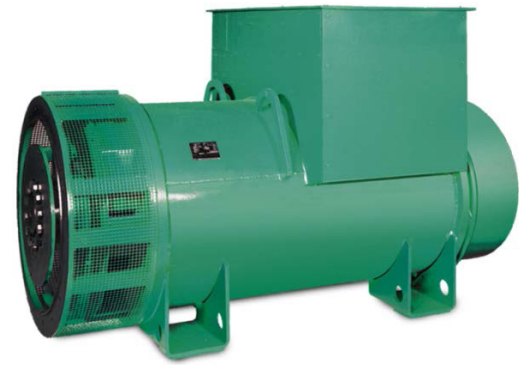
**MACFARLANE  
GENERATORS**  
ESTABLISHED 1949

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## ALTERNATOR SPECIFICATIONS

Manufacturer	Leroy Somer LSA40M5
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	2.9m³/min
Exhaust Temperature	490°C
Max Back Pressure	10.2 kPa

## AIR SYSTEM

Engine Air Flow	1.1m³/min
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## COOLANT SYSTEM

Radiator & Engine Capacity	6.0L
Max Water Temperature	112°C
Thermostat	82 - 95°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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