

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

Model	TP15L			
Power(ESP)	kVA/kW	15 / 12		
Power(PRP)	kVA/kW	13 / 10		
Rated Voltage	V	240		
Rated Rotation speed	r/min	1500		
Fuel Consumption	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	
Fuel Tank Capacity	Litre	132		
Noise Level (approx)	63dB(A) @ 7 m	70dB(A) @ 1 m		
Dimensions and Weight	Length	Width	Height	Weight
	2196 mm	1106 mm	1530 mm	1005 kg

ENGINE SPECIFICATIONS

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

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**MACFARLANE
GENERATORS**
ESTABLISHED 1949

Power Anywhere Anytime | MAXiGEN TP15L | 04.2024

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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

IntelliLite	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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