



# TMG POWER

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## PERKINS DIESEL GENSET

## TMG-P 300

### GROUP

		Standby Power	Prime Power
Power	kVA	300	275
Power	kW	240	220
Engine Speed	rpm	1500	
Standard Voltage	V	400 / 230	
Power Factor	Cos Phi	0,8	

### Continuous Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a constant electrical load. Average load can be 100%. The generator must not be overloaded.

### Standby Power

The maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 hrs of operation per year under average of 70% load. Overloading isn't permissible.

### Prime Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.

 Perkins

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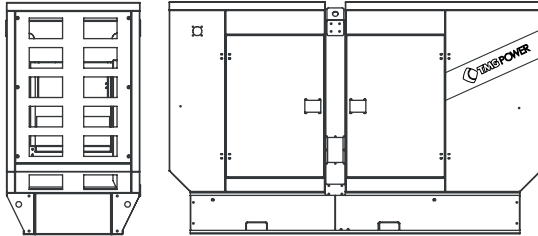
## Engine Properties

<b>Brand</b>		Perkins
<b>Model</b>		1506A-E88TAG4
<b>Medicine</b>		Direct Injection
<b>Prime Power</b>	<i>kW</i>	244
<b>Standby Power</b>	<i>kW</i>	267
<b>Cylinder Volume</b>	<i>L</i>	8,8
<b>Number of Cylinders</b>		6 L
<b>Aspiration</b>		Turbo Charge ACC
<b>Cooling system</b>		Water Cooled
<b>Heater Power</b>	<i>Watt</i>	2000W
<b>Broke &amp; Stroke</b>	<i>mmxmm</i>	112x149
<b>Governor</b>		Electronic
<b>Working Capacity at Full Load</b>	<i>g/kWh</i>	198
<b>Oil Capacity</b>	<i>lt.</i>	41
<b>Water Capacity</b>	<i>lt.</i>	29,6
<b>Voltage</b>	<i>V</i>	24
<b>Battery Capacity</b>	<i>A</i>	2X105

## Alternator Properties

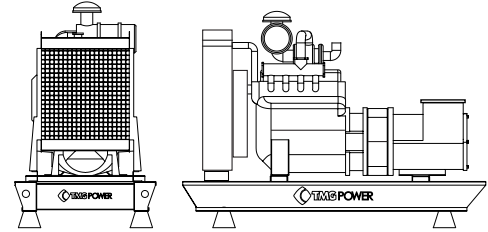
<b>Output Voltage</b>	<i>V</i>	230/400
<b>Frequency</b>	<i>HZ</i>	50
<b>Automatic Voltage Regulation</b>	$\pm\%$	0,5
<b>Stand by Power</b>	<i>kVA</i>	330
<b>Prime Power</b>	<i>kVA</i>	300
<b>Power Factor</b>	<i>Cosq</i>	0,8
<b>Number of Cables</b>		12
<b>Winding Line</b>		2/3
<b>Protection Class</b>		IP23 / H
<b>Warning System</b>		Self-Alert
<b>AVR Model</b>		SX440
<b>Alternator Efficiency</b>	<i>%</i>	92

## Diemensions



### Canopied

<b>L x W x H</b>	<i>mm</i>	3680x1200x2000
<b>Weight</b>	<i>kg</i>	2650
<b>Fuel Tank Capacity</b>	<i>lt.</i>	368



### Open Set

<b>L x W x H</b>	<i>mm</i>	3380x1200x1600
<b>Weight</b>	<i>kg</i>	2118
<b>Fuel Tank Capacity</b>	<i>lt.</i>	368

## Optitonal

Some Optional Equipments that TMG POWER provides with Generator Sets;

- Medium voltage alternator,
- Remote radiator applications,
- Automatic fuel filling system,
- Fuel tank, oil pan, dashboard, alternator, coil heaters,
- Alternator with double AVR and PMG,
- Synchronization systems, The generator output breaker,
- Grid-generator transfer switches,
- Accordance with the specific volume of demand-insulated cabins,
- Seismic solutions,
- Remote monitoring.
- SMPS 12/24V 10A

### Kontrol Panel

- Datakom D500
- Datakom D700
- ComAp AMF9
- ComAp AMF25