



## Generator Set Technical Specification Sheet

**Model:** Tornado 1300

**General Features:**

	3 Phase	
Emergency standby power	<b>1430</b>	kVA
	<b>1144</b>	kW
Continuous power	<b>1300</b>	kVA
	<b>1040</b>	kW
Power factor	<b>0.8</b>	Cosφ
Nominal voltage	<b>400 Y</b>	Volt
Nominal frequency	<b>50</b>	Hz
Alternator connections	<b>Star</b>	
Prime power according to ISO 3046 (ICN2) at variable load measured at 300 m a s l & 25°C ambient temperature		

**Engine:**

Brand / Model		<b>MTU / 12V400G21</b>
Type / Stroke		<b>Diesel / 4 stroke</b>
Number of cylinders / Configuration		<b>12 / V</b>
Cubic capacity	ltr	
Aspiration		
Cooling system		<b>Water cooled</b>
Starting system / voltage		
RPM	rpm	<b>1500</b>
Horsepower Continuous	kW	
Oil capacity	litres	
Coolant Capacity	litres	
Fuel consumption 75% load Prime	Litres/h	<b>275</b>
Governor		

**Alternator:**

Brand / Model		<b>Mecc Alte or Stamford</b>
Number of poles / rpm		<b>4 pole / 1500 rpm</b>
Voltage / Frequency	Volts / Hz	<b>400 Y / 50</b>
Nominal power	kVA	
Power factor	Cosφ	<b>0.8</b>
Active power	kW	
Efficiency @ 75% load	%	
Maximum overload		
Voltage regulator		

**General Installation Data:**

Combustion air flow	m <sup>3</sup> /min	
Cooling air airflow	m <sup>3</sup> /min	
Exhaust gas flow	m <sup>3</sup> /min	
Exhaust gas temperature	°C	
Exhaust system back pressure	mBar	

**Overall Dimensions & Weight:**

	Open Set	Canopy Set
Length	mm <b>4950</b>	<b>7550</b>
Width	mm <b>2150</b>	<b>2300</b>
Height	mm <b>2600</b>	<b>3850</b>
Weight	kg	
Fuel tank capacity	Litres	
Run time @ 75% of rated load	h	
Noise Level @ 7 mtrs	dB(A)	<b>75</b>

The specifications quoted above are a guide only and in line with our policy of continuous product development, we reserve the right to vary the specifications at any time without notice