



Generator Set Technical Specification Sheet

Model: Tramontana 645

General Features:

	3 Phase		
Emergency standby power	710	kVA	
	568	kW	
Continuous power	645	kVA	
	516	kW	
Power factor	0.8	Cosφ	
Nominal voltage	400 Y	Volt	
Nominal frequency	50	Hz	
Alternator connections	Star		
Prime power according to ISO 3046 (ICN2) at variable load measured at 300 m a s l & 25°C ambient temperature			

Engine:

Brand / Model		Perkins / 3012TAG1B	
Type / Stroke		Diesel / 4 stroke / Direct Injection	
Number of cylinders / Configuration		12 / V	
Cubic capacity	ltr	26.11	
Aspiration		Turbocharged and air to air charge cooled	
Cooling system		Water cooled	
Starting system / voltage		Electric / 24v	
RPM	rpm	1500	
Horsepower	kW	611	
Oil capacity	litres	73.8	
Coolant Capacity	litres	122.7	
Fuel consumption 75% load	Litres/h	141	
Governor			

Alternator:

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

General Installation Data:

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

Overall Dimensions & Weight:

		Open Set	Canopy Set
Length	mm	3500	5330
Width	mm	1600	1795
Height	mm	2195	2800
Weight	kg		
Fuel tank capacity	Litres		
Run time @ 75% of rated load	h		
Noise Level @ 7 mtrs	dB(A)		75

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.