



Generator Set Technical Specification Sheet

Model: GSW 400

General Features:

	3 Phase		
Emergency standby power	440	kVA	
	352	kW	
Prime power	410	kVA	
	328	kW	
Power factor	0.8	Cosfi	
Nominal voltage	400 Y	Volt	
Nominal frequency	50	Hz	
Alternator connections	Star		
Continuous power : At variable load according to ISO 3046 (ICN2)			

Engine:

Brand / Model		Volvo / TAD 1242 GE
Type / Stroke		Diesel / 4 stroke / Direct Injection
Number of cylinders / Configuration		6 / inline
Cubic capacity	ltr	12.13
Aspiration		Turbo charged with Intercooler
Cooling system		Water cooled
Starting system / voltage		Electric / 24
RPM	rpm	1500
Kilowatts Prime	kWm	352
Oil capacity	litres	35
Coolant Capacity	litres	44
Fuel consumption 75% load	Litres/h	60.97
Governor		Electronic to G3

Alternator:

Brand / Model		Stamford HCKI 444 F
Number of poles / rpm		4 pole / 1500 rpm
Voltage / Frequency	Volts / Hz	400 Y / 50
Nominal power	kVA	427
Power factor	Cosfi	0.8
Nominal Active power	kW	342
Efficiency @ 75% load	%	93.4
Maximum overload		10% for 1 hour in every 6 hours of operation
Voltage regulator		Electronic. ±1% with 4% engine governing

General Installation Data

Combustion air flow	m ³ /min	24.9
Cooling air airflow	m ³ /min	270
Exhaust gas flow	m ³ /min	63
Exhaust gas temperature @ LTP	°C	525
Exhaust system back pressure - Max	mbar	100

Overall Dimensions & Weight:

	Open Set	Canopy Set
Length	mm 3200	4000
Width	mm 1100	1600
Height	mm 1960	2250
Weight	kg 3100	4500
Fuel tank capacity	Litres 525	620
Run time @ 75% of rated load	h 8.9	10.0
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