



Generator Set Technical Specification Sheet

Model: **GSL20 Stamford**

General Features:

	3 Phase		1 Phase	
Emergency standby power	21.1	kVA		kVA
	16.8	kW		kW
Prime power	20.0	kVA		kVA
	16.0	kW		kW
Power factor	0.8	Cosfi		Cosfi
Nominal voltage	400 Y	Volt		Volt
Nominal frequency	50	Hz		Hz
Alternator connections	Star			
Referring to conditions as DIN 6271, altitude 100 mtrs above sea level, temperature 27°C, humidity 60%				

Engine:

Brand / Model		Deutz / F3M 2011
Type / Stroke		Diesel / 4 stroke
Number of cylinders / Configuration / Injection		3 / in-line / Direct
Cubic capacity	cc	2330
Aspiration		Natural
Cooling system		Oil
Starting system / voltage		Electric / 12
RPM	rpm	1500
Horsepower Max	kW	20.0
Oil capacity	Litres	5.5
Fuel consumption 75% load	Litres/h	3.9
Governor		Mechanical to G2

Alternator:

Brand / Model		Stamford BCI 184 E
Number of poles / rpm		4 pole / 1500 rpm
Voltage / Frequency	Volts / Hz	400 Y / 50
Nominal power	kVA	22.5
Power factor	Cosfi	0.8
Active power	kW	18.0
Efficiency @ 75% load	%	86.6
Maximum overload		10% for 1 hour in every 6 hours of operation
Voltage regulator		Electronic

General Installation Data:

Combustion air flow	m ³ /min	1.43
Cooling air airflow	m ³ /min	30.0
Exhaust gas flow	m ³ /min	3.83
Exhaust gas temperature	°C	540
Exhaust system back pressure	mbar	30

Overall Dimensions & Weight:

	Open Set	Canopy Set
Length	mm 1400	2225
Width	mm 750	1100
Height	mm 1700	1290
Weight	kg 554	910
Fuel tank capacity	Litres 100	120
Run time on full tank of fuel	h 25.6	30.7
Noise Level @ 7 mtrs	dB(A) 67	67