



## Generator Set Technical Specification Sheet

**Model:** GBL 20 Stamford

**General Features:**

	3 Phase		1 Phase
Emergency standby power	<b>20.0</b>	kVA	kVA
	<b>16.0</b>	kW	kW
Continuous power	<b>19.1</b>	kVA	kVA
	<b>15.2</b>	kW	kW
Power factor	<b>0.8</b>	Cosφ	Cosφ
Nominal voltage	<b>400 Y</b>	Volt	Volt
Nominal frequency	<b>50</b>	Hz	Hz
Alternator connections	<b>Star</b>		

Referring to conditions as DIN 6271, altitude 100 mtrs above sea level, temperature 27°C, humidity 60%

**Engine:**

Brand / Model		<b>Deutz / F3M 2011</b>
Type / Stroke		<b>Diesel / 4 stroke</b>
Number of cylinders / Configuration / Injection		<b>3 / in-line / Direct</b>
Cubic capacity	cc	<b>2330</b>
Aspiration		<b>Natural</b>
Cooling system		<b>Oil</b>
Starting system / voltage		<b>Electric / 12</b>
RPM	rpm	<b>1500</b>
Horsepower – Max.	kW	<b>20.0</b>
Oil capacity	Litres	<b>5.5</b>
Fuel consumption 75% load	Litres/h	<b>4.0</b>
Governor		<b>Mechanical to G2</b>

**Alternator:**

Brand / Model		<b>Stamford BCI 184 E</b>
Number of poles / rpm		<b>4 pole / 1500 rpm</b>
Voltage / Frequency	Volts / Hz	<b>400 Y / 50</b>
Nominal power	kVA	<b>22.5</b>
Power factor	Cosφ	<b>0.8</b>
Active power	kW	<b>18.0</b>
Efficiency @ 75% load	%	<b>84.2</b>
Maximum overload		<b>10% for 1 hour in every 6 hours of operation</b>
Voltage regulator		<b>Electronic SX460 (±1.5%)</b>

**General Installation Data:**

Combustion air flow	m <sup>3</sup> /min	<b>1.43</b>
Cooling air airflow	m <sup>3</sup> /min	<b>30</b>
Exhaust gas flow	m <sup>3</sup> /min	<b>3.8</b>
Exhaust gas temperature	°C	<b>540</b>
Exhaust system back pressure	mbar	<b>30</b>

**Overall Dimensions & Weight:**

		Canopy Set
Length	mm	<b>2000</b>
Width	mm	<b>920</b>
Height	mm	<b>1147</b>
Weight	kg	<b>819</b>
Fuel tank capacity	Litres	<b>55</b>
Run time on full tank of fuel	h	<b>15.3</b>
Noise Level @ 7 mtrs	dB(A)	<b>71</b>