



## Generator Set Technical Specification Sheet

**Model:** GSW 105 TDFCDB & S

**General Features:**

	3 Phase	
Emergency standby power	<b>108.0</b>	kVA
	<b>86.4</b>	kW
Prime power	<b>102.5</b>	kVA
	<b>82.0</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>	
Continuous power : At variable load according to ISO 3046 (ICN2)		

**Engine:**

Brand / Model		<b>Deutz / BF4M 1013 EC</b>
Type / Stroke		<b>Diesel / 4 stroke / Direct Injection</b>
Number of cylinders / Configuration		<b>4 / in-line</b>
Cubic capacity	ltr	<b>4,76</b>
Aspiration		<b>Turbo charged with intercooler</b>
Cooling system		<b>Water cooled</b>
Starting system / voltage		<b>Electric / 12</b>
RPM	rpm	<b>1500</b>
Horsepower Prime	kW	<b>91.1</b>
Horsepower Standby	kW	<b>102</b>
Oil capacity	litres	<b>11</b>
Coolant Capacity	litres	<b>17.2</b>
Fuel consumption 75% load Prime	Litres/h	<b>16.7</b>
Governor		<b>Mechanical to G2</b>

**Alternator:**

Brand / Model		<b>Stamford UCI 274C</b>
Number of poles / rpm		<b>4 pole / 1500 rpm</b>
Voltage / Frequency	Volts / Hz	<b>400 Y / 50</b>
Nominal power	kVA	<b>106.0</b>
Power factor	Cosφ	<b>0.8</b>
Active power, nominal	kW	<b>85</b>
Efficiency @ 75% load	%	<b>90.3</b>
Maximum overload		<b>10% for 1 hour in every 6 hours of operation</b>
Voltage regulator		<b>Electronic (±1.5% with 4% engine governing)</b>

**General Installation Data:**

Combustion air flow	m <sup>3</sup> /min	<b>6.28</b>
Cooling air airflow	m <sup>3</sup> /min	<b>102</b>
Exhaust gas flow	m <sup>3</sup> /min	<b>17.5</b>
Exhaust gas temperature	°C	<b>545</b>
Exhaust system back pressure	mbar	<b>30</b>

**Overall Dimensions & Weight:**

	Open Set	Canopy Set
Length	mm <b>2,000</b>	<b>3000</b>
Width	mm <b>1,000</b>	<b>1,150</b>
Height	mm <b>1,620</b>	<b>1,450</b>
Weight	kg <b>1,326</b>	<b>1,730</b>
Fuel tank capacity	Litres <b>240</b>	<b>320</b>
Run time @ 75% of rated load	h <b>14.4</b>	<b>20.4</b>
Noise Level @ 7 mtrs	dB(A)	<b>71</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.