



## Generator Set Technical Specification Sheet

**Model:** GSW 500

**General Features:**

	3 Phase	
Emergency standby power	<b>556</b>	kVA
	<b>445</b>	kW
Prime power	<b>506</b>	kVA
	<b>405</b>	kW
Power factor	<b>0.8</b>	Cosfi
Nominal voltage	<b>400 Y</b>	Volt
Nominal frequency	<b>50</b>	Hz
Alternator connections	<b>Star</b>	
Prime power according to ISO 3046 (ICN2) at variable load measured at 300 m a s l & 27°C ambient temperature		

**Engine:**

Brand / Model		<b>Volvo / TAD 1631 GE</b>
Type / Stroke		<b>Diesel / 4 stroke / Direct Injection</b>
Number of cylinders / Configuration		<b>6 / in-line</b>
Cubic capacity	ltr	<b>16.12</b>
Aspiration		<b>Turbo charged with Intercooler</b>
Cooling system		<b>Water cooled</b>
Starting system / voltage		<b>Electric / 24</b>
RPM	rpm	<b>1500</b>
Kilowatts Prime	kW	<b>430</b>
Oil capacity	litres	<b>42</b>
Coolant Capacity	litres	<b>65</b>
Fuel consumption 75% load Prime	Litres/h	<b>76.02</b>
Governor		<b>Electronic to G3</b>

**Alternator:**

Brand / Model		<b>Stamford HCI 544 D</b>
Number of poles / rpm		<b>4 pole / 1500 rpm</b>
Voltage / Frequency	Volts / Hz	<b>400 Y / 50</b>
Nominal power	kVA	<b>575.0</b>
Power factor	Cosfi	<b>0.8</b>
Active power	kW	<b>460</b>
Efficiency @ 75% load	%	<b>94.3</b>
Maximum overload		<b>10% for 1 hour in every 6 hours of operation</b>
Voltage regulator		<b>Electronic ±1% with engine speed ±4%</b>

**General Installation Data:**

Combustion air flow	m <sup>3</sup> /min	<b>31.8</b>
Cooling air airflow	m <sup>3</sup> /min	<b>312</b>
Exhaust gas flow	m <sup>3</sup> /min	<b>90.3</b>
Exhaust gas temperature	°C	<b>565</b>
Exhaust system back pressure	mBar	<b>50</b>

**Overall Dimensions & Weight:**

		Open Set	Canopy Set
Length	mm	<b>3500</b>	<b>5000</b>
Width	mm	<b>1300</b>	<b>1800</b>
Height	mm	<b>2170</b>	<b>2250</b>
Weight	kg	<b>3640</b>	<b>5600</b>
Fuel tank capacity	Litres	<b>730</b>	<b>730</b>
Run time @ 75% of rated load	h	<b>9.6</b>	<b>9.6</b>
Noise Level @ 7 mtrs	dB(A)		<b>75</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