



Generator Set Technical Specification Sheet

Model: GSW 505 Stamford

General Features:

	3 Phase	
Emergency standby power	560	kVA
	448	kW
Prime power	510	kVA
	408	kW
Power factor	0.8	Cosfi
Nominal voltage	400 Y	Volt
Nominal frequency	50	Hz
Alternator connections	Star	
Prime power according to ISO 3046 (ICN2) at variable load measured at 300 m a s l & 27°C ambient temperature		

Engine:

Brand / Model		Deutz / BF8M 1015 CP
Type / Stroke		Diesel / 4 stroke / Direct Injection
Number of cylinders / Configuration		8/ V configuration
Cubic capacity	ltr	15.9
Aspiration		Turbo charger / Intercooler
Cooling system		Water cooled
Starting system / voltage		Electric / 24
RPM	rpm	1500
kilowatts	kW	475.9
Oil capacity	litres	45
Coolant Capacity	litres	116
Fuel consumption 75% load Prime	Litres/h	81.7
Governor		Electronic to G3

Alternator:

Brand / Model		Stamford HCI 544D
Number of poles / rpm		4 pole / 1500 rpm
Voltage / Frequency	Volts / Hz	400 Y / 50
Nominal power	kVA	575
Power factor	Cosfi	0.8
Active power	kW	460
Efficiency @ 75% load	%	94.3
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	30.8
Cooling air airflow	m ³ /min	552
Exhaust gas flow	m ³ /min	89.6
Exhaust gas temperature	°C	600
Exhaust system back pressure	mbar	50

Overall Dimensions & Weight:

		Open Set	Canopy Set
Length	mm	3,200	4,000
Width	mm	1,600	2,000
Height	mm	2,200	2,250
Weight	kg	3,780	5,025
Fuel tank capacity	Litres	720	750
Run time @ 75% of rated load	h	8.9	9.1
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