



Generator Set Technical Specification Sheet

Model: GSW 450

General Features:

	3 Phase	
Emergency standby power	508	kVA
	407	kW
Prime power	462	kVA
	370	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 & 25°C ambient temperature		

Engine:

Brand / Model		Volvo / TAD 1640 GE
Type / Stroke		Diesel / 4 stroke / Direct Injection
Number of cylinders / Configuration		6 In Line
Cubic capacity	ltr	16.12
Aspiration		Turbo charger, Intercooler
Cooling system		Water cooled
Starting system / voltage		Electric / 24
RPM	rpm	1500
Kilowatts Prime	kWm	393
Oil capacity	litres	48
Coolant Capacity	litres	41
Fuel consumption 75% load Prime	Litres/h	68.07
Governor		Electronic to G3

Alternator:

Brand / Model		Stamford HCI 544 D
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	32
Cooling air airflow	m ³ /min	426
Exhaust gas flow	m ³ /min	81.7
Exhaust gas temperature	°C	490
Exhaust system back pressure	mmBar	50

Overall Dimensions & Weight:

		Open Set	Canopy Set
Length	mm	3,500	5,000
Width	mm	1,300	1,800
Height	mm	2,080	2,250
Weight	kg	3470	5250
Fuel tank capacity	Litres	730	730
Run time @ 75% of rated load	h	10.7	10.7
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