



Generator Set Technical Specification Sheet

Model: GSW20

General Features:

	3 Phase	1 Phase
Emergency standby power	21.4 kVA 17.1 kW	14.3 kVA 12.8 kW
Continuous power	19.4 kVA 15.5 kW	12.9 kVA 11.6 kW
Power factor	0.8 Cosfi	0.9 Cosfi
Nominal voltage	400 Y Volt	230
Nominal frequency	50 Hz	50
Alternator connections	Star	Delta

Referring to conditions as DIN6271, altitude 100m above sea level, temperature 27°C, humidity 60%

Engine:

Brand / Model	Perkins / 404C-22G
Type / Stroke	Diesel / 4 stroke
Number of cylinders / Configuration	4 / in-line
Cubic capacity	cc 2216
Aspiration	Natural
Cooling system	Water
Starting system / voltage	Electric / 12
RPM	rpm 1500
Kilowatts	kW 18.4
Oil capacity	Litres 10.6
Coolant capacity	Litres 20.0
Fuel consumption 75% load	Litres/h 4.0
Governor	Mechanical to G2

Alternator:

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

General Installation Data

Engine coolant flow	litre/min
Combustion air flow	m ³ /min
Cooling air airflow	m ³ /min 40.2
Exhaust gas flow	m ³ /min
Exhaust gas temperature	°C 460
Exhaust system back pressure	kPa

Overall Dimensions & Weight:

		Unit in Silenced, Weatherproof Canopy
Length	mm	1800
Width	mm	830
Height	mm	1295
Weight	kg	785
Fuel tank capacity	Litres	50
Run time on full tank of fuel	h	12.5
Noise level @ 7 mtrs	dB(A)	63