



Generator Set Technical Specification Sheet

Model: GSW15

General Features:

| | 3 Phase | 1 Phase |
|-------------------------|---------------------|-------------------|
| Emergency standby power | 14.4 kVA 11.5 kW | 9.6 kVA 8.6 kW |
| Continuous power | 13.0 kVA 10.4 kW | 8.7 kVA 7.8 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 100 mtrs above sea level, temperature 27°C, humidity 60%

Engine:

| | |
|-------------------------------------|---------------------------|
| Brand / Model | Perkins / 403C-15G |
| Type / Stroke | Diesel / 4 stroke |
| Number of cylinders / Configuration | 3 / in-line |
| Cubic capacity | cc 1496 |
| Aspiration | Natural |
| Cooling system | Water |
| Starting system / voltage | Electric / 12 |
| RPM | rpm 1500 |
| Kilowatts | kW 12 |
| Oil capacity | Litres 6 |
| Coolant capacity | Litres 20.0 |
| Fuel consumption 75% load | Litres/h 2.7 |
| Governor | Mechanical to G2 |

Alternator:

| | |
|-----------------------|---|
| Brand / Model | Mecc Alte ECO 3 2L/4 |
| Number of poles / rpm | 4 pole / 1500 rpm |
| Voltage / Frequency | Volts / Hz 400 Y / 50 |
| Nominal power | kVA 14.3 |
| Power factor | Cosfi 0.8 |
| Active power | kW 11.4 |
| Efficiency @ 75% load | % 86.5 |
| 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 36.6 |
| Exhaust gas flow | m ³ /min |
| Exhaust gas temperature | °C 450 |
| Exhaust system back pressure | kPa |

Overall Dimensions & Weight:

| | | Unit in Silenced, Weatherproof Canopy |
|-------------------------------|--------|---------------------------------------|
| Length | mm | 1800 |
| Width | mm | 830 |
| Height | mm | 1295 |
| Weight | kg | 700 |
| Fuel tank capacity | Litres | 50 |
| Run time on full tank of fuel | h | 17.9 |
| Noise level @ 7 mtrs | dB(A) | 62 |