575kVA SPECIFICATIONS

STANDARD FEATURES

- Deutz BF8M1015CP-LAG5
- Yanan SLG354E1 single bearing alternator
- Brushless self excited, IP22, insulation class H alternator
- 50°C radiator with fan belts
- Safety guard charge alternator
- Dry type air filter
- Fuel and oil filter
- Main line circuit breaker
- 2 x 12 200AH lead-acid batteries
- 3 phase 50Hz

GENERAL

Model	D460/S
Power Type	Diesel
Prime Power (kW/kVA)	460/575
Standby Power (kW/kVA)	560/632.5

ASSEMBLY

The engine and alternator are closed coupled by means of an SAE flange. A full torsional analysis has been carried out to guarantee no harmful vibration will occur. Anti-vibration pads are affixed between engine alternator feet and base frame. Rubber diagonal isolators are specifically designed to reduce engine and alternator vibration and prevent distortion in the voltage and harmonic output of the generator. All iron and steel surfaces of the canopy fabrication have undergone a sand blast cleaning treatment, then coated by a polyester powder paint which provides an excellent corrosion resistant surface.

ENGINE

Engine Make and Model	DEUTZ BF8M1015CP-LAG5
Engine Type	Diesel
Engine Prime Power (kW/rpm)	509
Engine Standby Power (kW/rpm)	560
Fuel Consumption at 100% load (L/h)	109.6
Bore (mm) x Stroke (mm)	132 x 145
No. of Cylinders	8 in-line
Displacement (L)	16
Intake Mode	Turbo intercooler
Compression Ratio	17:01
Speed Governor	Electric
Cooling System	50°C radiator
Cycle	4 stroke
Total Lubrication System Capacity (L)	45
Start Type	Electric

CONTROL SYSTEM

DSEWebNet

The DSEWebNet Gateway is used in conjunction with supported DSE controllers to provide the below standard functions:

- Automatic start/stop
- Multi-generator loadshare system
- Easy to use
- Designed to synchronise up to 32 generators, including electric and non-electric engines
- Multiple language options available
- System alarms are displayed on LCD screen

ALTERNATOR

Alternator Model	SLG354E1
Prime Power (kW/kVA)	480/600
Exciter Type	Brushless, self excited
Rated Power Factor	0.8
Voltage Regulator	AS440
Voltage Regulation NL-FL	≤+1.0%
Insulation Grade	H
Protection Grade	IP22
Stator Winding	Double layer concentric
Winding Pitch	Two thirds
Winding Leads	12
Waveform Distortion	No load < 1.5%
Altitude	≤1000m

MODULE 890

The DSEWebNet Gateway is used in conjunction with supported DES controllers to provide monitoring and communications data via the DSEWebNet® advanced communications system.

QUALITY STANDARDS

- ISO8528, ISO14000, ISO3046
- GB755, BS5000, VDE0530, IEC34-1

WARRANTY POLICY

12 months, 1200 hours as per generator.
Generators Australia Pty Ltd Warranty Policy.