

# GENERATOR SOLUTIONS

## REMOTE SERIES



### D100/S SPECIFICATIONS 125kVA

German Technology. Australian Design.  
Powered by



#### GENERAL

Model	D100/S
Power Type	Diesel
Prime Power (kW/kVA)	100/125
Standby Power (kW/kVA)	110/138

#### ENGINE

Engine Make and Model	DEUTZ BF4M1013FC
Engine Type	Water-cooled, in line, 4 stroke, 1500rpm
Engine Prime Power (kW)	106
Engine Standby Power (kW)	129
Fuel Tank Capacity (L)	422
Fuel Consumption (L/h)*	24.16
Battery Type	Lead-acid, 2 x 12V - 120AH
Bore (mm) x Stroke (mm)	108 x 130
No. of Cylinders	4
Displacement (L)	4.76
Compression Ratio	18
Intake Model	After-cooled, turbo charged
Speed Control System	Electronic speed governing
Lubricating Oil Capacity (L)	11
Lub Consumption (g/kWh)	0.657

\*Fuel Consumption is based on 100% load

#### ALTERNATOR

Model	SLG274E1, single bearing IP22
Frequency (Hz)	50
Continuous Output (kW/kVA)	112/140
Power Efficiency	90.8%
Type	4 pole, rotating field
Exciter Type	Brushless, self excited
Voltage Regulator	AS440
Voltage Regulation	±1.0%
No. of Phases	3 phases, 4 wire
Insulation	Class H
Protection	IP22
Rated Power Factor	0.8
Stator Winding	Double layer concentric
Winding Pitch	Two thirds
Winding Leads	12
Waveform Distortion	No load <1.5%
Altitude (m)	1000

#### UNIT

Dimensions L x W x H (m)	3.2 x 1.15 x 1.67
Dry Weight (kg)	2210
Sound at 7m/dB	80

#### STANDARD FEATURES

- 50°C rated radiator
- Powder coated finish
- External fuel tank connections
- EVAC service points
- 110% bunded skid base
- All moving parts are fitted with safety guards
- Fitted sockets RCD protectors:
  - 2 x 1Ph 15amp 3 pin
  - 2 x 3Ph 32amp 5 pin
  - 1 x 3Ph 63amp 5 pin
- IP65 electrical boxes
- IP66 electrical outlets
- Rated lifting lugs
- Emergency E stop
- State of the art control system
- Remote monitoring
- Door safety interlocks



#### 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 been sand blasted and then powder coated, which provides an excellent corrosion resistant surface.



#### CONTROL SYSTEM

The DSE8610 is an easy to use multi-generator loadshare system, designed to synchronise up to 32 generators including electronic engines. The DSE8610 monitors the generator and indicates operational status and fault conditions, automatically starting or stopping the engine on load demand or fault condition. System alarms are displayed on the LCD screen (multiple language options available), illuminated LED and audible sounder.

#### DSE8610



#### MODULE 890

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



#### QUALITY STANDARDS

Our generator sets are compliant with all the main standards, such as ISO8528, ISO14000, GB755, BS5000, VDE0530, ISO3046, IEC34-1, AS3000.

#### WARRANTY POLICY

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