



D80/S SPECIFICATIONS 100kVA

German Technology. Australian Design.
Powered by **DEUTZ**

GENERAL

Model	D80/S
Power Type	Diesel
Prime Power (kW/kVA)	80/100
Standby Power (kW/kVA)	88/110

ENGINE

Engine Make and Model	DEUTZ BF4M101EC
Engine Type	Water-cooled, in line, 4 stroke, 1500rpm
Engine Prime Power (kW)	92
Engine Standby Power (kW)	102
Fuel Tank Capacity (L)	422
Fuel Consumption (L/h)*	19.9
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	19
Intake Model	After-cooled, turbo charged
Speed Control System	Mechanical speed governing
Lubricating Oil Capacity (L)	11
Lub Consumption (g/kW/h)	0.582

*Fuel Consumption is based on 100% load

ALTERNATOR

Model	SLG274C1, single bearing IP22
Frequency (Hz)	50
Continuous Output (kW/kVA)	80/100
Power Efficiency	90.4%
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 1.1 x 1.7
Dry Weight (kg)	2185
Sound at 7m/dB	78

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
- State of the art control system
- Rated lifting lugs
- Emergency E stop
- 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 DSE6020 is an Auto Mains Failure Control Module suitable for a wide variety of single, diesel or gas, genset applications. Monitoring speed, frequency, voltage, current, oil pressure, coolant temperature and fuel level, the module will display warnings, shutdown and engine status information on the back-lit LCD screen and illuminated LED.

DSE6020



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.