



V120/S SPECIFICATIONS 150kVA

GENERAL

Model	V120/S
Power Type	Diesel
Prime Power (kW/kVA)	120/150
Standby Power (kW/kVA)	132/165

ENGINE

Engine Make and Model	VOLVO TAD731GE
Prime Power (kW)	133
Standby Power (kW)	148
Engine Type	In-line, 4 stroke diesel, turbocharged, 1500 rpm
Cylinder no. and configuration	6, in-line
Bore (mm) x Stroke (mm)	108 x 130
Compression ratio	18:1
Fuel Consumption (g/kw.h)*	215
Fuel flow (L/h)	360
Lube oil consumption (L)	0.1
Lube oil capacity (L)	20
Exhaust gas flow (m ³ /min)	30.2
Coolant capacity (L)	23.8
Fuel injection system	Direct injection, Bosch pump
Governor type	EDC4

*Fuel Consumption is based on 100% load

ALTERNATOR

Model	SLG274F1
Prime Power (kW/kVA)	128/160
Power (%)	92.1
Type	4 Pole, rotating field
Exciter type	Brushless, self excited
Voltage regulator	AS440
Voltage regulation (%)	≤1.0
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)	3.52 x 1.15 x 1.67
Dry Weight (kg)	2530
Sound at 7m/dB	80

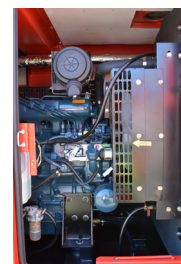
STANDARD FEATURES

- 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.