D400/S SPECIFICATIONS
500kVA

German Technology. Australian Design.
Powered by DEUTZ

GENERAL

Model	D400/S
Power Type	Diesel
Prime Power (kW/kVA)	400/500
Standby Power (kW/kVA)	440/550

ENGINE

Engine Make and Model	DEUTZ BF8M1015CP-LAG2
Engine Type	Water-cooled, in line, 4 stroke, 1500rpm
Engine Prime Power (kW)	448
Engine Standby Power (kW)	490
Fuel Tank Capacity (L)	825
Fuel Consumption (L/h)*	80
Battery Type	24V
Bore (mm) x Stroke (mm)	132 x 145
No. of Cylinders	8
Displacement (L)	15.874
Compression Ratio	17
Intake Model	Turbo intercooler
Speed Control System	Electronical speed governing
Lubricating Oil Capacity (L)	45
Lub Consumption (g/kW/h)	0.624

*Fuel Consumption is based on 100% load

ALTERNATOR

Model	SLG54D1, single bearing IP22
Frequency (Hz)	50
Continuous Output (kW/kVA)	400/500
Power Efficiency	91.0%
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

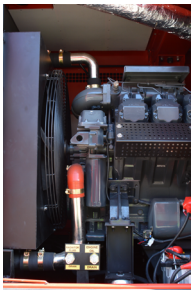
UNIT

Dimensions L x W x H (m)	4.8 x 1.9 x 2.3
Dry Weight (kg)	10501
Sound at 7m/dB	85

STANDARD FEATURES

- 50°C rated radiator
- Powder coated finish
- External fuel tank connections
- EVAC service points
- 110% bunded skid base
- All moving parts fitted with safety guards
- RCD MCB 2 x 3Ph 63amp 5 pin - IP66
- IP65 electrical boxes dust and water proof
- Rated lifting lugs
- Emergency E stop
- State of the art control system - ComAp
- 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

ComAp

The InteliGen ComAp Controller is an easy to use multi-generator loadshare system, designed to synchronise up to 32 generators. The InteliGen ComAp Controller 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 are available), illuminated LED audible sounder.

The IG-NT-GC-MINT-IB-NT is used in conjunction with controllers to provide monitoring and communications data via the InteliGen ComAp Controller 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.