

50KVA DEUTZ DIESEL GENERATOR UD50GFS

Standby Power(50HZ)	44KW/55KVA
Prime Power(50HZ)	40KW/50KVA

Standard Features

General Features

- Engine(Deutz BFM3C)
- Radiator 50°C, fans are driven by belt
- 24V charge alternator and starter
- Alternator (Leroy Somer TAL-A42-G), single bearing, alternator IP23, insulation class H/H
- Absorbers installed
- Silent canopy
- Base frame with 130L fuel tank
- Main line circuit breaker
- Control panel
- Free maintenance battery, rack and cable
- Ripple flex exhaust pipe, bellows, flange, muffler.
- User manual, Test report, etc



Generator Ratings

voltage	HZ	phase	P.F	Standby/Prime Amps	Standby Rating (KW/KVA)	Prime Ratings (KW/KVA)
400/230V	50	3	0.8	79.2/72	44/55	40/50
415/240V	50	3	0.8	76.5/69.5	44/55	40/50

Prime power (PRP): Prime power is available for an unlimited number of annual hours in available load application, in according with GB/T2820-97(EQVLso8528); A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

Standby power Rating (ESP) ; The standby power rating is application for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

Sales Promises

We provide a full line of brand new and high quality products. Each and every unit is strictly on load test before delivery. Warranty is according to our standard conditions: 12 months or 1500 running hour's, subject to the earlier one. Service and parts are available from our factory or distribution in your location.

ENGINE DATA

Manufacturer /Model	Deutz BFM3C
Air intake System	Turbocharged inter-cooled

Cylinder Arrangement	4 in LINE
Displacement	3.168L
Bore and Stroke	98*105 (MM)
Compression ratio	18.5:1
Fuel injection	In line pump/GAC governor
Rated RPM	1500rpm
Prime power at rated RPM	45KW
Max standby Power at Rated RPM	50KW
Governor Type	Electronic
Start system	DC 12V electric start
Rated fuel consumption	212g/kw.h
Oil capacity	7.5L
Weight	265kg

ALTERNATOR SPECIFICATION

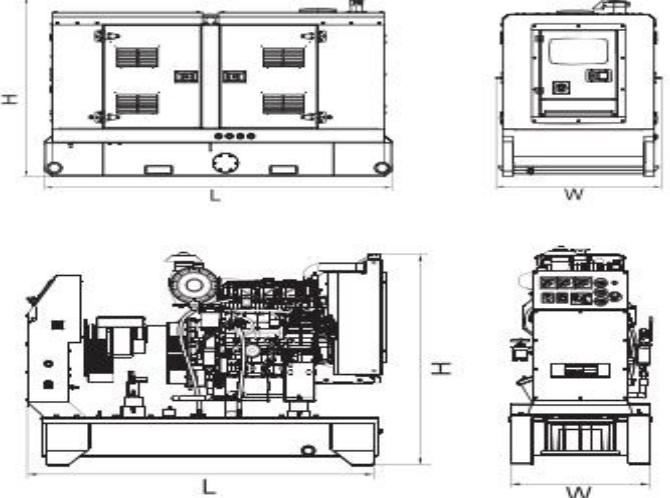
General data

Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359 standards.

Alternator Data

Manufacture /Type	Leroy Somer TAL-A42-G
Number of Phase	three
Connecting Type	3 Phase and 4 wire
Number of Bearing	one
Power Factor	0.8
Protection Grade	IP23
Altitude	≤1000m
Exciter Type	Brush less, self-exciting
Insulation Class, Temperature Rise	H/H
Telephone Influence Factor (TIF)	< 50
THF	<2%
Voltage Regulation, Steady State	± 1 %
Alternator Capacity	50KVA

Dimension & Weight

	<p>Open-frame Type(L*W*H):</p> <p>Overall Size: 1700*750*1250mm</p> <p>Weight: 700 kgs</p> <p>Silent Type (L*W*H):</p> <p>Overall Size: 2200*900*1500mm</p> <p>Weight: 920kgs</p>
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Auto Module Control Panel and ATS



Automatic Control Panel is the basic configuration for nobody on duty controlling generator.

HGM6120 controller, integrating digital, intelligent and network techniques, is used for automatic control and monitoring system of genset. It can carry out functions of automatic start/stop, data measurement, alarm protection and three "remote" (remote control, remote measure and remote communication). The controller uses LCD display, optional display interface in many different languages with easy and reliable operation.

Alarms:

- ☒ Over and Under Speed
- ☒ Low and High Battery Volt.
- ☒ Start and Stop Failure
- ☒ Charge fail
- ☒ Over Current
- ☒ Under / Over Generator Voltage
- ☒ Low Oil Pressure
- ☒ High engine temperature

Metering via LED display:

- ☒ Generator Volts(V), Ampere(A), Frequency(HZ), POWER(KW) Cos (σ)
- ☒ Mains Volts(V), Frequency(HZ)
- ☒ Engine temperature ($^{\circ}\text{C}$ & $^{\circ}\text{F}$)
- ☒ Lub. Oil pressure kpa/psi/bar
- ☒ Engine speed r/min(r/min)
- ☒ battery volts
- ☒ charging alternator volts
- ☒ Engine hours run

Silent canopy feature



- ☒ silent / weatherproof steel enclosure treated with polyester powder coated .
- ☒ Large residential muffler for silent operation.
- ☒ Black-finish stainless steel locks and hinges for maximum weather protection.
- ☒ Integrated steel base tank.
- ☒ Control panel viewing window including security access doors.
- ☒ Large access doors for easy maintenance, operation and repairs.
- ☒ Emergency stop push button mounted on enclosure exterior