

# Diesel Generating BSG Set LGLT-270

50Hz

## General Feature

Prime power

200kW/250kVA

Standby power

220kW/275kVA

- **Engine** 6LTAA8.9-G2 Cummins Made in UK
- **Alternator** TAL-A46-D LEROYSOMER Made in USA
- **Controller** AMF20 COMAP CEZCH



- Electricspeed control
- 12V starting batteries, maintenance-free type, connecting cables
- Equipped with CHINT MCCB; ABB in Option
- Equipped with industrial silencer and flexible exhaust hose
- Radiator 40°C max, fans are driven by belt with safety guard
- Base fuel tank: 620L
- 12V charged dynamo
- Equipped with 8-hours operation base tank
- Design comply to ISO8528/GB2820
- Absorber (anti instant braking)
- User manual, Packing list

## General Ratings

Voltage	Power				Frequency (Hz)	Phase	P.F (COSφ)	Prime Current (A)
	Prime		Standby					
	kw	kva	kw	kva				
415/240V	200	250	220	275	50	3	0.8	347.8
400/230V	200	250	220	275	50	3	0.8	360.9
380/220V	200	250	220	275	50	3	0.8	379.8

### Prime power

This rating is for the supply of continuous electrical power at variable load. A 10% overload capability is available for a period of 1 hour within each 12-hour period of operation.

### Standby power

This rating is for the supply of continuous electrical power at variable load in the event of utility power failure. No overload is permitted.

### Rated voltage

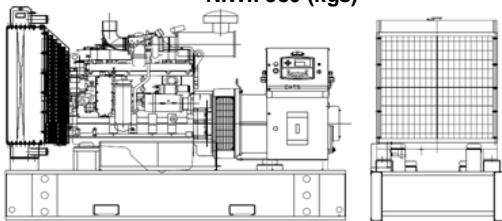
Available with customers requirements.

## Dimension And Weight

### Open frame

Size (LxWxH): 1200x700x1100 (mm)

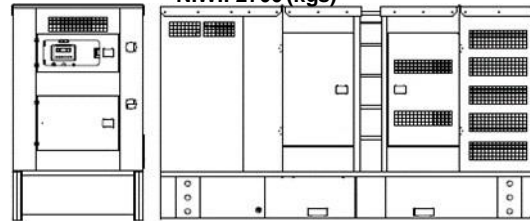
N.W.: 380 (kgs)



### Silent with Canopy

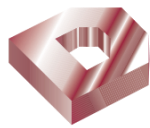
Size (LxWxH): 3400x1180x2080 (mm)

N.W.: 2700 (kgs)



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1991



SC - CER582680

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## Engine Specifications

1	Engine model	6LTAA8.9-G2
2	Engine manufacturer	Cummins
3	Number of cylinders	6
4	Cylinder arrangement	Vertical in line
5	Cycle	6 stroke
6	Aspiration	Naturally
7	BorexStroke(mmxmm)	114 x 145
8	Displacement (Liter)	8.9
9	Compression Ratio	16.6:1
10	Prime power/speed (kW/RPM)	220/1500RPM
11	Standby power/speed (kW/RPM)	240/1500RPM
12	Speed governor	Mechanical
13	Cooling system	Water-cooled
14	Coolant capacity (engine only) (L)	11.1
15	Steady speed droop (%)	≤3%
16	Total lubrication system capacity (L)	27.6
17	Oil consumption (% of fuel)	<0.15%
18	Fuel consumption at 100% load (L/H)	53
19	Fuel consumption at 75% load (L/H)	39
20	Fuel consumption at 50% load (L/H)	27
21	Starter motor	DC 12V/12.KW
22	Dynamo	AC 12V/30A

## Alternator Specifications

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

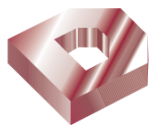
1	Alternator model	TAL-A46-D
2	Alternator manufacturer	LEROYSOMER
3	Exciter type	Single bearing, Brushless, Self-excited
4	Rated output prime power	250kVA
5	Rated speed	1500 RPM
6	Rated frequency	50 Hz
7	Phase	3
8	Rated voltage	400V
9	Power factor	0.8
10	Voltage adjust range	≥5%
11	Voltage regulation NL-FL	≤±1%
12	Insulation grade	H
13	Protection grade	IP23

### Alternator option

Mecc Alte, Stamford

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## Main Electrical Performance Data

Voltage				Frequency			
Stable Regulation rate	Fluctuation	Recover time	Instantaneous Regulating rate	Stable regulation rate	Instantaneous regulating rate	Recover time	Fluctuation
+/-2.5%	0.5%	1.5s	+20%/-15%	+5%	+/-10%	5S	0.5%

## Control System

Deepsea (UK)

### Protection

- Low oil pressure
- High water temp
- Over speed
- over crank
- Over load
- Over/low volt
- Over/low frequency
- Battery chargefailure

Model

### Parameter

- Volt
- current
- power
- speed
- frequency
- oil pressure
- oil temp
- power factor
- running time
- water temp
- battery voltage

AMF20

### PHOTO



## Option

### GeneratorSet

- Trailergeneratorset
- ABBMCCBcircuit breaker
- 50°C Radiator

### Fuel system

- 12hoursbasefueltank
- 24hoursbasefueltank
- Dualwallbasefueltank
- Externalfueltank

### Exhaust system

- Residential exhaustsilencer

### Alternator

- PMG excitation
- Anti CondensationHeater

### For cold area

- Water heater

- Oil heater

- Rapid water preheater (diesel burner)

### Auto system

- Remote Controlpanel
- ATS control cabinet
- Paralleling System

### External ATS



### Water Heater



### Oil Heater



### Paralleling System



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