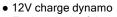


Diesel Generating BSG Set LGLL-22 50Hz



Prime power 16kW/20kVA **General Features** Standby power 17.6kW/22kVA • Engine YSD490D YTO Made in CHINA Alternator WHI184ES LONGEN STANDFORD COMAP CEZCH AMF20 Controller BSG

- Electric speed control
- 12V starting batteries, maintennance-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:120L



- Equipped with 8-hours operation base tank
- Design comply to ISO8528/GB2820
- Absorber (anti instant braking)
- User manual, Packing list

General Ratings

		I	Power					
Voltag	je Prime	Prime Standby			Frequency	Phase	P.F (COS¢)	Prime Current
	kw	kva	kw	kva	(Hz)			(A)
415/24	0V 16	20	18	22	50	3	0.8	27.8
400/23	0V 16	20	18	22	50	3	0.8	28.9
380/22	0V 16	20	18	22	50	3	0.8	30.4

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 peiord of operation.

Standby power

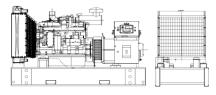
This rating is for the supply of continuous electrical power at variable load in the event of utility power failure. No overload is permitted.

Rated voltage

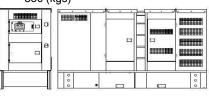
Available with customers requirements.

Dimension And Weight

Open frame Size(L×W×H): 1200×700×1100(mm) N.W.: 380 (kgs)



Silent with Canopy Size(L×W×H): 1800×850×1150(mm) N.W.: 830 (kgs)





Diesel Generating BSG Set LGLL-22 50Hz

(0) icontec ISO 9001 SC - CER582680

Engine Specifications

1	Engine model	YSD490D		
0	F · · · · ·	(YTO/ISUZU)		
2	Engine manufacturer	YTO		
3	Number of cylinders	4		
4	Cylinder arrangement	Vertical in line		
5	Cycle	4 stroke		
6	Aspiration	Naturally		
7	Bore×Stroke(mm×mm)	90x 100		
8	Displacement (Liter)	2.54		
9	Compression Ratio	18:1		
10	Prime power/speed (kW/RPM)	21/1500RPM		
11	Standby power/speed (kW/RPM)	23.1/1500RPM		
12	Speed governor	Mechanical		
13	Cooling system	Water-cooled		
14	Coolant capacity (engine only) (L)	10.7		
15	Steady speed droop (%)	≤3%		
16	Total lubrication system capacity (L)	7.6		
17	Oil consumption (% of fuel)	0.75		
18	Fuel consumption at 100% load (L/H)	6.36		
19	Fuel consumption at 75% load (L/H)	5.64		
20	Fuel consumption at 50% load (L/H)	4.71		
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	WHI184ES
2	Alternator manufacturer	LONGEN
3	Exciter type	Single bearing, Brushless, Self-excited
4	Rated output prime power	20kVA
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 adjust range Voltage regulation NL-FL	≤±1%
12	Insulation grade	Н
13	Protection grade	IP23

Alternator option

Mecc Alte, Stamford, LEROYSOMER



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Control System

Control System			
Deepsea (UK)	Model		AMF20
Protection	Parameter		РНОТО
 Low oil pressure 	 Volt 	oil pressure	InteliLite" AMF 20
 High water temp 	 current 	 oil temp 	
 Over speed 	 power 	 power factor 	
 over crank 	 speed 	 running time 	
 Over load 	 frequency 	water temp	
 Over/low volt 		 battery voltage 	1 mil- anno to m
 Over/low frequency 			

Battery charge failure

Main Electrical P	Performance	Data
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Voltage					Frequency				
Stable Regulation rate	Fluctuation	Recover time	Instantaneous Regulating rate	Stable regulation rate	Instantaneous regulating rate	Recover time	Fluctua-tion		
+/-2.5%	0.5%	1.5s	+20%/-15%	+5%	+/-10%	5S	0.5%		

Option

Generator Set

- Trailer generator set
- ABB MCCB circuit breaker
- 50°C Radiator

Fuel system

- 12 hours base fuel tank
- 24 hours base fuel tank
- Dual wall base fueltank
- External fuel tank

Exhaust system

• Residential exhaust silencer

External ATS

Water Heater



- PMG excitation
- Anti Condensation Heater

For cold area

- Water heater
- Oil heater
- Rapid water preheater (diesel burner)

Auto system

- Remote Control panel
- ATS control cabinet
- Paralleling System

Oil Heater

Paralleling System







