AOSIF Baudouin Series

Product introduction

AOSIF POWER GENERATION

Model AB962 Generator set

875KVA/700KW



XIAMEN AOSIF ENGINEERING LTD.

General Performance Data

Prime Power	875KVA/700KW
Stand by Power	962KVA/770KW
Frequency/Speed	60Hz/1800rpm
Rated Power Factor(cosφ)	0.8
Standard Voltage	277V/480V
Phases	3

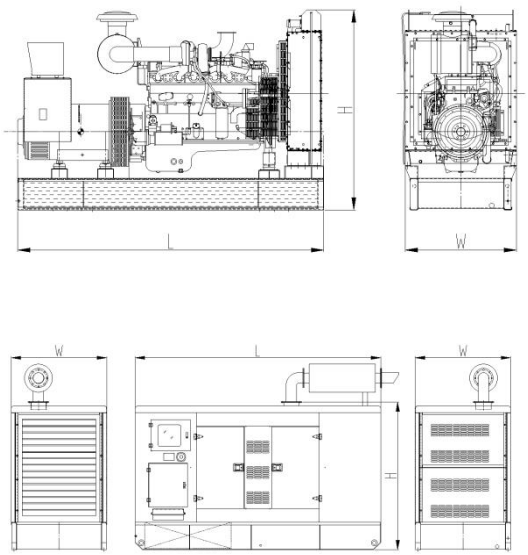
Engine	Brand	Baudouin
	Model	8M33G770/6
Control module	Deepsea 7320	
Rated Current	1052A	
Capacity of Breaker	1250A	
Starting Voltage	DC24V	

Fuel consumption

Rated output	Fuel consumption rate	
100%Standby	217.8g/KW.h	219.1L/h
100%Prime	212.8g/KW.h	194.6L/h
75%Prime	207.8g/KW.h	142.5L/h
50%Prime	212.7g/KW.h	97.2L/h
25%Prime	251.5g/KW.h	57.5L/h

Standards followed

ISO9001	ISO14001
ISO8528	ISO12100
ISO13849	EN12601
GB12786	GB/T2820
IEC60034	IEC60204
CE	RETIE



Dimensions and Weights

Type	Open	Silent
Length(mm)	4450	5450
Width(mm)	1750	2270
Height(mm)	2320	2450
Weight(kg)		9535
Base fuel tank volume (L)		

Engine specification

Basic parameter	
Manufacturer	Baudouin
Model	8M33G770/6
No. of cylinder	8
Type	At Vee
Prime Power	768Kw /1030HP
Standby Power	845kw /1133HP
Induction system	Turbocharged and Aftercooled
Governor	Electronic
Bore x Stroke	150x185mm
Displacement	26.14L
Compression ratio	15:1
Oil Capacity(Total)	105L
Coolant Capacity(Engine only)	62.2L
Cranking Motor Voltage	DC24V

Fuel System	
Type Injection system	Mechanical Pump
Fuel supply flow	420 L/h

Lubrication system	
Oil Pressure	
---Idle speed	≥2 Bar
---Rated speed	4-6.5 Bar
Max. allowable oil temperature	105℃
Offset sump oil capacity: low/high	90/105L
Total system capacity	105L

Air induction system	
Maximum allowable intake air restriction	
---with clean filter element	≤35mBar
---with dirty filter element	≤62mBar
Air intake temperature rise	≤30℃

Exhaust system	
Max. allowable back pressure	75mBar
Standard exhaust pipe diameter	190mm

Cooling system	
Coolant capacity	
---Engine only	62.2L
---Radiator and pipes	89 L
Radiator type	Mechanical
Cooling fan airflow	1100m³/min
System designed for ambient temperature up to	50°C
Coolant alarm (shutdown) temperature	108℃

Electric system	
Electrical system voltage (negative to ground)	DC24V
Starter power	8.5KW
Battery charger current	55A
Battery charger absorbed power	1.5KW
Max. allowable resistance of Starting circuit	0.008ohm
Min. cold start temperature without auxiliary starting device	-10℃
Min. cold start temperature with auxiliary starting device	-20℃

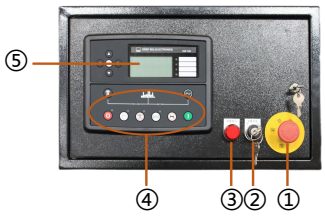
Alternator specification

Manufacturer	LEROY SOMER	Model	TAL-A49-B
Phases	3	Coating	Vacuum impregnation
Poles	4	Insulation class	H
Power factor(cosφ)	0.8	Protection	IP23
Winding connection	Star	Excitation system	Self-excited
Winding pitch	2/3	Bearing	Single Bearing
Voltage regulator type	AVR	Coupling	Flexible disc

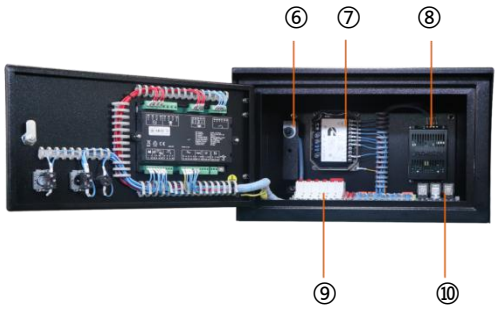
Control system Introduction

Deepsea 7320 Auto start & auto mains failure control panel

Deepsea 7320 is an auto mains failure controller for single generator, it can monitor and protect the generator working all the time. it has a LCD display which clearly shows the status of the engine. this controller include seven inputs and six outputs. This controller can also be programmed using the front panel or by using DSE configuration Suite PC software



①Emergency stop button
②Power switch
③Power indicator
④Operation buttons
⑤LCD display



⑥Voltage and frequency trimmer
⑦Governor
⑧Charger
⑨MCB
⑩Relay

Key Features:

- Auto start/stop, load transfer and alarming of generator
- Remote start on or off load
- With hierarchical loading function
- Multiple start/stop cycles can be preset
- 3 phase generator and mains voltage monitoring.
- Generator/load power detection(kW, kVA, kVAr PF)
- Overload protection (kW)
- Load current monitoring and protection
- Engine speed protection
- Engine pre-heat
- Engine start idle & stop idle
- Battery voltage monitoring
- Start under the low battery
- 8 configurable outputs
- 8 configurable input
- Integral PLC editor
- TIer 4 CAN engine support
- Data logging facility
- DSE2130,DSE2157,DSE2548 expansion module can be connected
- Support 0-10V or 4-20mA oil pressure sensor

Main features:

- Multi language display
- Mains failure self starting
- The running time of the engine can be recorded to facilitate the maintenance and repair of the unit
- User-friendly set-up and button layout
- LCD display can display multiple parameters at the same time
- Support EFI engine
- IP65 rating (with optional gasket)
- PC and front panel configuration
- 100 event records
- Data recording and trend analysis

Protection:

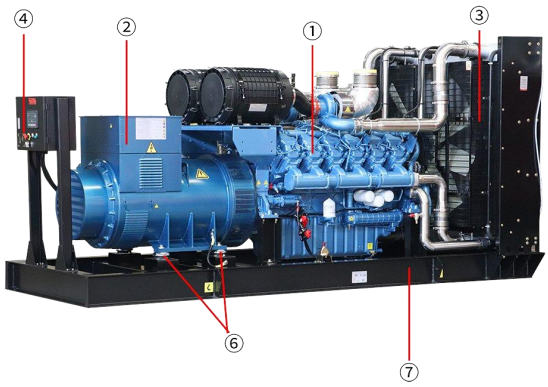
- Two sets of protection parameters can be preset
- Normal alarm, electrical trip and shutdown alarm can be set to effectively monitor the engine speed,oil pressure, water temperature and oil level, as well as the frequency, voltage, current and power of the alternator, for complete engine/alternator protection
- Low Oil Pressure
- High water Temperature
- High voltage and low voltage
- Overspeed
- Emergency stop
- Fail to start

Decomposition diagram introduction of AOSIF Typical Canopy



Standard supply scope:





① Engine
② AC Alternator
③ Cooling Radiator
④ Auto Start Control Panel
⑤ Main Ciruit Breaker
⑥ Built in Shock Pad
⑦ High Strength Frame
⑧ Exhaust silencer
⑨ Bellow
⑩ Starting battery

Optional supply scope:

Genset	Engine	Alternator	Control system
• Tool box • Base fuel tank • External daily fuel tank • Trailer	• Fuel heater • Fuel and water separator	• Temp. detector for winding and bearing • PMG • Antirust, mildew and salt fog treatment • Anti condensation heater	• ATS • Synchronization System • Adjustable earth relay
Breaker	**Fuel system**	**Lub-oil system**	**Cooling system**
• ABB • Schneider	• Low fuel level alarm • Auto Fuel Pump • T Vlave	• Lub oil heater • Temp.-sensor • Oil drain Pump	• Elec.coolant Heater

Our Promises

- AOSIF Engineering provides a full line of brand new and high quality products.
- Each unit passes strictly loading test in factory before shipment.
- Quality Warranty is provided strictly in accordance with warranty terms.
- Three level service guarantee: Aosif dealers, Service outlets of engine/alternator manufacturers, Aosif service team.



XIAMEN AOSIF ENGINEERING LTD.

Marketing Center: Unit 1001,No.1 of Cheng Yi North Street,Software Park Phase III ,Xiamen ,China;

Factory: No.1088 Tangbian, Changtai Economic Development Zone, Zhangzhou,Fujian,China.

Website: www.aosif.com

You may get more information from our official account.

Specifications are subject to change without notice.