

# AOSIF Cummins Series

## Product introduction

**AOSiF**  
POWER GENERATOR



## Model AC2200 Generator set

### 2000KVA/1600KW



## General Performance Data

Prime Power	2000KVA/1600KW
Stand by Power	2200KVA/1760KW
Frequency/Speed	50Hz/1500rpm
Frequency Variation	±0.25%
Rated Power Factor(cosφ)	0.8
Standard Voltage	220V/380V, 230V/400V
Phases/Poles	03/04
Voltage Variation	±0.5%
Load Acceptance Ability	Up to 100% Prime Load in One Step with Time for voltage/stability in 10sec

Engine	Brand	Cummins
	Model	KTA50-G16B
Alternator	Brand	Cummins - Stamford
	Model	S7L1D-G4
Control module	Standard	
Rated Current	2886A	
Capacity of Breaker	3200A (Optional)	
Starting Voltage	DC24V	

## Fuel consumption

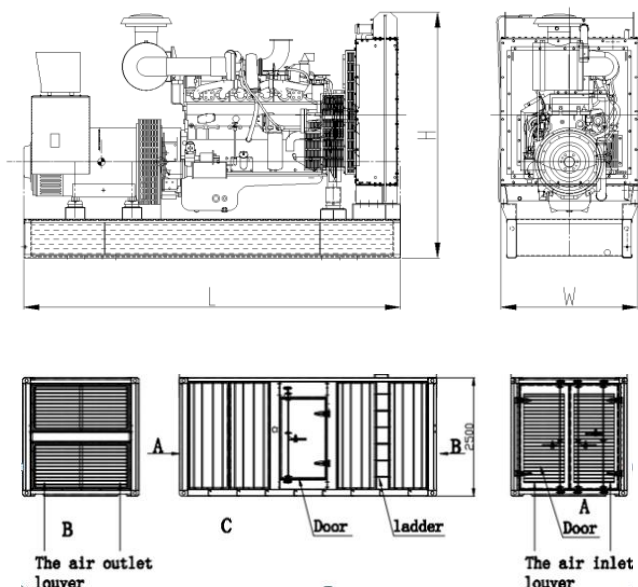
Rated output	Fuel consumption rate
100%Standby	44.5 L/h
100%Prime	41.5 L/h
75%Prime	31.4 L/h
50%Prime	22.3 L/h
25%Prime	13.0 L/h

## Standards followed

ISO9001	ISO14001
ISO8528	ISO12100
ISO13849	EN12601
GB12786	GB/T2820
IEC60034	IEC60204
CE	RETIE
Emission standards	CHINA STAGE III

## Dimensions and Weights

Type	Open	Silent
Length(max)	6200 (mm)	12200 (mm)
Width(max)	2230 (mm)	2650 (mm)
Height(max)	2650 (mm)	3050 (mm)
Weight(kg)	12400	15700
Base fuel tank volume (L)	N/A	N/A



## Engine specification

Basic parameter		Air induction system	
Manufacturer	Chongqing Cummins	Maximum allowable intake air restriction	
Model	KTA50-G16B	---with clean filter element	3.73kPa
No. of cylinder	16	---with dirty filter element	6.23kPa
Type	4 cycle, 60°Vee	Intake Air alarm temperature	82°C
Prime Power	1760kw /2360HP	Exhaust system	
Standby Power	1936kw /2596HP	Max. allowable back pressure	7kPa
Induction system	Turbocharged and Air to Air Aftercooled	Standard exhaust pipe diameter	149mm
Governor	Electrical	Cooling system	
Bore x Stroke	159x159mm	Coolant capacity	
Displacement	50L	---Engine only	164.7L
Compression ratio	14.7:1	---Total system	360.7 L
Oil Capacity(Total)	235L	---With heat exchanger	199L
Coolant Capacity(Engine only)	140.1L	Standard thermostat(modulating) range	82-93 °C
Cranking Motor Voltage	DC24V	Max. coolant temerature	96.1 °C
Fuel System		Max. allowable top tank temperature for stand by/prime power	104/100 °C
Type Injection system	Direct injection Cummins PT	Target Coolant Inlet Temperature toAftercoolers @ 25°C Ambient (°C)	49°C
Min. Allowable flow of fuel to fuel pump	425 L/h	Electric system	
Lubrication system		Min. recommended battery capacity (24V)	
Oil Pressure		---10°C(50°F) & above- 0°F CCA	1280A
---Idle speed	138kPa	--- 0°C(32°F) to 10°C(50°F)- 0°F CCA	1800A
---Rated speed	350-485kPa	---18°C(0°F) to 0°C(32°F)- 0°F CCA	1800A
Max. allowable oil temperature	121°C	Starter(heave,Anode)	DC24V
Oil Pan capacity - Low/High	174.8/1205.2L	Battery recharge system, negative ground	35ampere
Total system capacity	235L		

## Cummins - Stamford Alternator S7L1D-G4 specification

Prime Power	2020kVA	Insulation class	H
Phases/Poles	03/04	Protection	IP23
Frequency/Speed	50Hz/1500rpm	Excitation system	P.M.G
Power factor(cosφ)	0.8	Efficiency Curves	>95%
Phases/Poles	03/04	Waveform Distortion	<5.0%
Standard Voltage	220V/380V, 230V/400V	Sustained Short Circuit	7200A
Voltage regulator type	AVR, Electrical	Maximum Over Speed	2250 RPM

## AOSiF Soundproof Canopy Introduction:

### Standard Type:

- The arc angle structure makes the appearance beautiful and not easy to bump
- High quality coating powder, chemical surface treatment & 100-120um coating thickness greatly improving the anti-corrosion and anti rust level
- Stainless steel hinge & door lock are beautiful and anti-rust
- 2.0mm cold rolled plate used makes the body more solid
- The bottom forklift and loading port design enables easy loading and unloading
- The drainage outlets are all connected to the outside for easy operation
- The sufficient air in & out design ensure long-term and stable operation of the unit
- Isolation net is designed for air inlet, exhaust outlet and muffler outlet to prevent objects from entering the unit
- High density foam used inside effectively reduces noise
- Ceiling Lighting is equipped for easy operation
- The built-in base fuel tank with fuel filler set on the shell facilitates refueling
- Models above medium power range are designed with top hoisting mechanism to facilitate transportation of the unit.

### Imitated container type:

- The shell is made of 3.0mm hot rolled steel plate so as to withstand the lifting capacity of 15-ton without deformation
- The switch cabinet and control panel are respectively set on both sides of the shell for easy maintenance & operation
- The shell looks similar to standard container, and can be loaded into 40HQ container for transportation, which is convenient for shipping
- The lifting eye holes are designed on the top same as the standard container for easy handling
- High density foam used inside effectively reduces noise
- The built-in base fuel tank with fuel filler set on the shell facilitates refueling
- Double emergency stop button set on different surfaces enables quick response to operation requirements
- The shell base is independent from the unit with 3mm thick checkered steel plate floor, which is beautiful & antiskid, and is convenient for overhaul & maintenance of the unit
- The door handle, lock and hinge are all made of stainless steel to avoid rusting
- The air out louver made of the mesh plate with podwer coating and pasted with high-density glass fiber is beautiful and not easy to rust, and can further reduce the noise
- Isolation net is designed for air inlet, exhaust outlet and muffler outlet to prevent objects from entering the unit
- The sufficient air in & out design ensure long-term and stable operation of the unit
- The drainage outlets are all connected to the outside for easy operation
- Ceiling Lighting is equipped for easy operation

### Standard container type:

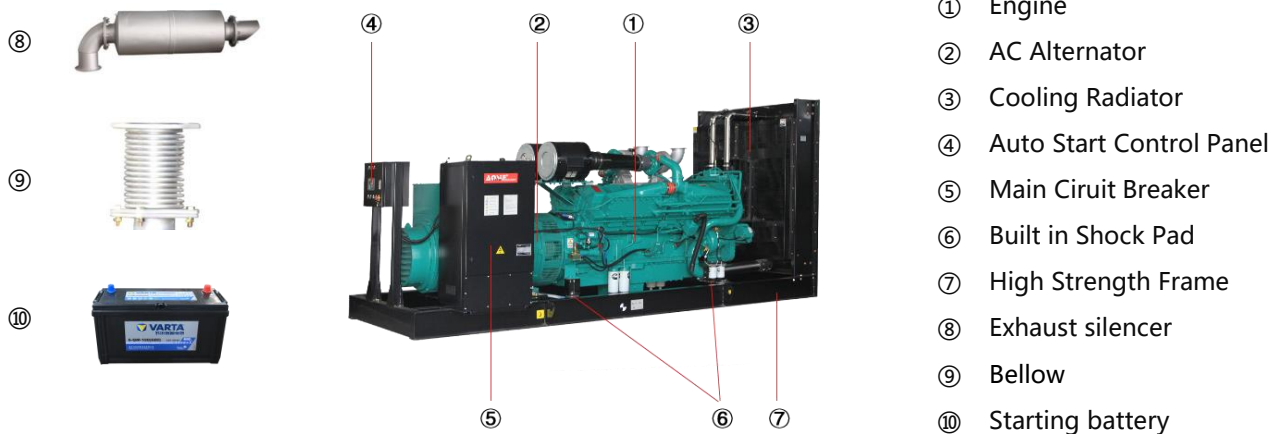
- Can be shipped on board directly during transportation
- The mesh plate with podwer coating and inner pasted with high-density glass fiber is installed inside the shell, which is beautiful and anti-rust, and can further reduce the noise
- 3mm thick checkered steel plate floor is beautiful & antiskid, and is convenient for overhaul & maintenance of the unit
- Double emergency stop button set on different surfaces enables quick response to operation requirements
- The independent daily fuel tank can be designed to put inside to meet requirements of continuous operation
- The fuel filler is set on the shell to facilitate refueling
- The switch cabinet and control panel are respectively set on both sides of the shell for easy maintenance & operation
- The air in & out louver made of the mesh plate with podwer coating and pasted with high-density glass fiber is beautiful and not easy to rust, and can further reduce the noise
- Isolation net is designed for air inlet, exhaust outlet and muffler outlet to prevent objects from entering the unit
- The sufficient air in & out design ensure long-term and stable operation of the unit
- The drainage outlets are all connected to the outside for easy operation
- Ceiling Lighting is equipped for easy operation



## Decomposition diagram introduction of AOSIF Typical Canopy



## Standard supply scope:



## Optional supply scope:

Genset	Engine	Alternator	Control system
<ul style="list-style-type: none"> <li>• Tool box</li> <li>• Base fuel tank</li> <li>• External daily fuel tank</li> <li>• Trailer</li> </ul>	<ul style="list-style-type: none"> <li>• Fuel heater</li> <li>• Fuel and water separator</li> </ul>	<ul style="list-style-type: none"> <li>• Temp. detector for winding and bearing</li> <li>• PMG</li> <li>• Antirust, mildew and salt fog treatment</li> <li>• Anti condensation heater</li> </ul>	<ul style="list-style-type: none"> <li>• ATS</li> <li>• Synchronization System</li> <li>• Adjustable earth relay</li> </ul>
Breaker	Fuel system	Lub-oil system	Cooling system
<ul style="list-style-type: none"> <li>• ABB</li> <li>• Schneider</li> </ul>	<ul style="list-style-type: none"> <li>• Low fuel level alarm</li> <li>• Auto Fuel Pump</li> <li>• T Valve</li> </ul>	<ul style="list-style-type: none"> <li>• Lub oil heater</li> <li>• Temp.-sensor</li> <li>• Oil drain Pump</li> </ul>	<ul style="list-style-type: none"> <li>• Elec.coolant Heater</li> </ul>



# 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.



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.  
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**You may get more information from our official account.**

**Specifications are subject to change without notice.**