








LSX83S3

-  Diesel generator set
-  50HZ
-  Water-cooled
-  Three Phase
-  Silent type

Model		LSX83S3
Standby Power	KVA	83
	KW	66
Prime Power	KVA	75
	KW	60
Frequency	Hz	50
Rated Voltage	V	230/400
Rated current	A	108.3
Rated speed	rpm	1500
Fuel tank capacity	L	200
Continuous running time	hr	11

FAW Jiefang Automotive Co. ,Ltd., wuxi diesel engine factory (hereinafter referred to as "FAWDE") located in Wuxi city, Jiangsu province, is China's first automobile group company subordinate enterprise. Factory was established in 1943. After 70 years of development, FAWDE now covers an area of 670000 square meters, with more than 3500 staff, total assets of 6.35 billion yuan and the brand of intangible assets of 10.229 billion yuan.

LEES FAWDE generators have a wide power range from 13~413kVA. The generators are widely used in industrial, commercial, backup, primary power source and outdoors project work and so on.

Engine specification → Model: CA4DF2-12D

Main features:

- Four-cylinder, water-cooled, in-line diesel engine
- Efficient fuel system for max power output and durability
- Large-capacity air cleaner
- Cost effective, fuel efficient and reliable performance
- Functional engine with compact structure
- Excellent after-sales service and sufficient spare parts supplying
- Excellent fuel consumption
- Easy installation and ready access for routine maintenance

CA4DF2-12D

CA4DF2-12D	
Engine type	Four cylinder, Turbo-charged & intercooled
Bore X Stroke (mm)	110 X 125
Displacement (L)	4.75
Rated power (KW)	84
Lube oil (L)	16
Lubrication system	Splash Lubrication
Lube oil type	SAE10W-30,15W-40 (above CD grade)
Starting system	24V DC electric start
Battery	12V100Ah x2
Fuel type	0# (summer), -10# (winter), -35# (chillness) diesel
Fuel consumption (g/KW.h)	205

Alternator specification → Model: LA224F

Main features:

- Advanced automatic voltage regulator (AVR) control for trouble-free operation under the most demanding conditions
- 2/3 pitch winding as standard, to avoid excessive neutral currents
- Single or two bearing construction with dynamically balanced rotor and sealed-for-life bearings
- Easy access for installation and maintenance
- IP23 as standard
- Self-excited control system
- Resist of corruption of oil and acid

LA224F

LA224F	
Pole	4
Loop mode	3-Phase, 4-Wire
Excitation mode	Brushless self-excited constant voltage (AVR)
Power factor ($\cos\Phi$)	0.8 (lag)
Insulation grade	H

Control module → Model: 6110

- Using microprocessor as a core, graphics LCD with big screen and backlight, key touch for operation
- Have a RS485 port, can be used for communicate to PC
- All parameters can be set from the front panel, or be set by PC used SG72
- Security password-protected programming levels
- All parameters use digital modulation, with higher reliability and stability
- Built-in speed/frequency detecting units can accurately judge the states such as crank success and over speed
- Power supply range is wide, accommodating to different starting battery voltage environment
- Built-in watch dog can never be dead halt, ensuring smooth program execution
- Modular configuration design, inserted type connection terminals, flush type installation, compact structure, easy installation



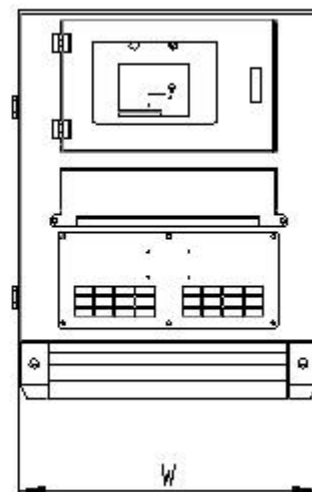
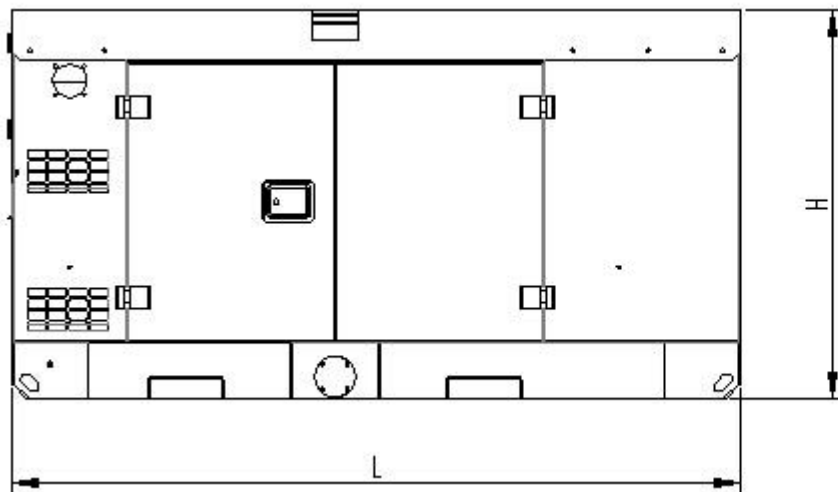
Protection:

- | | |
|--|---|
| <ul style="list-style-type: none"> ● High engine temperature ● Low oil pressure ● Over speed ● Under speed ● Loss of speed signal ● Generator over frequency | <ul style="list-style-type: none"> ● Generator under frequency ● Generator over voltage ● Generator under voltage ● Generator over current ● Fail to start ● Auxiliary inputs |
|--|---|

Precision measure and display of:

- | | |
|--|--|
| <ul style="list-style-type: none"> ● Mains voltage ● Mains frequency ● Mains current ● Generator voltage ● Generator current ● Generator frequency ● Generator active power (kW) ● Generator inactive power (kW) ● Generator apparent power (kVA) | <ul style="list-style-type: none"> ● Generator power factor ● Generator starts count ● Generator hour count ● Cumulate electric energy (kWh) ● Generator temperature ● Generator pressure ● Generator fuel level ● Start battery voltage |
|--|--|

Overview dimension & Sound levels



LSX83S3

Configuration	L= Length (mm)	W= Width (mm)	H= High (mm)	Noise (dBA/7m)	Net weight (kg)	AMPS
Enclosed set	2790	1100	1450	60-65	1740	119A

Generating Sets Standard and Optional Features

Engine:

- 4-stroke, water-cooled diesel engine
- Standard air filter
- Standard fuel filter
- Standard oil filter
- Oil temperature sensor
- Low coolant level sensor
- 24V electrical system
- Radiator with blowing fan
- Industrial silence
- **Fuel water separator (optional)**
- **Water jacket heater (optional)**

Alternator:

- Class H insulation
- IP23 Protection
- Automatic Voltage Regulator (AVR)
- Single bearing alternator
- **PMG excitation (optional)**

Electrical system:

- 6110 control module
- Maintenance-free and anti-explosion battery
- Standard breaker
- **6120 control module (optional)**
- **ATS (optional)**
- **Battery charger (optional)**
- **GMS monitoring (optional)**

Packing:

- Engine manual
- Alternator manual
- Gensets operation and maintenance manual
- Tool kit

Baseframe:

- Forklift pockets
- Pulling slots
- Earth wire protection
- Built-in anti vibration mountings
- Fuel outlet valve
- Standard 8 hours fuel tank
- **Separated fuel tank (optional)**

Canopy:

- Weatherproof & sound-attenuated canopy
- Sound-absorbing material
- Lifting lug
- Emergency stop button
- Inside silencer
- **Trailer (optional)**

Contact your distributor / dealer for more information

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