

POWER YOUR FUTURE

FAWDE Generator LG16X

4DW91-29D

Prime Power: 16KW/20KVA

Standby Power: 18KW/22KVA



GENERATING POWER SOLUTIONS

Increased availability for new operations

Reliable, robust and versatile generator.
Ready to deliver power for a next job.

Increased uptime during operations

Once installed on the end-user-site, the generator will be ready to run: "peace of mind" operation.

Reduced transport and installation costs

The compact and robust design with integrated transport features enables faster and safer transport and installation.

Reduced service & maintenance costs

Longer service intervals.
Quicker and more efficient service jobs.

Premium resale value

Designed and built to last.



SAFETY

- Operate safely in accordance with proper operation manual.
- To prevent trouble and accidents, perform daily and preventive maintenance checks without fail.

FAWDE Series

15KVA--375KVA



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Technical Data

LG16X

Model		LG16X
Rated prime power	kva	20
Rated standard power	kva	22
Rated voltage line to line	V	400/230
Rated current	A	29
Maximun sound level	dB(@7m)	≤69

Engine-FAWDE

Model	4DW91-29D	
Air intake system	Natural	
Fuel injection system	Direct Inject	
No. cylinders	4	
Displacement	Liquid	2.54
Bore*Stroke	mm	90*100
Compression ratio	17	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	21
Governor type	Mechanical	
Start Motor	V	12

Exhaust System

Exhaust gas flow	m³/min	4.6
Exhaust gas temp	°C	450
Max back pressure	kPa	6.7

Air Intake System

Max intake restriction	kPa	3.7
Consumption	m³/min	1.7
Fan consumption	kW	1.6

Fuel System

100% load(Prime power)	L/h	5.2
75% load(Prime power)	L/h	3.9
50% load(Prime power)	L/h	2.6
Fuel tank capacity	L	45

Lubrication System

Total system oil capacity	L	8
Oil consumption	L/h	0.05
Min oil pressure	kPa	262-359
(continuous operation)		

Cooling System

Total coolant capacity	L	6
Thermostat	°C	82-95
Max top tank temperature	°C	112

Alternator

Model	LONGKAI	LK184E
	STAMFORD	PI144D
Phase	3	
Voltage	V	400/230
Wiring Type	3 Phase 4 wire, Y type	
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KVA	20
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

Controller-DEESEA

Model	DSE6120
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Protective functions:

- Low oil pressure
- High water temperature
- High/low voltage
- High Engine Temperature and Overspeed.
- Voltage regulator frequency regulator
- Emergency stop
- Start failure



Control Module Options



- Auto generator control module
- Control module with "Three Remote Control" functions
- ATS auto load transfer screen
- Synchronising control modules
- Power output cabinet

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Standard Features

- Engine(Fawde)
- Radiator 50°C max,fans are driven by bel
- 24V charge alternator
- Alternator: single bearing alternator IP23, insulation class H/H
- Standard auto control system
- One set of air filter, fuel filter, oil filter
- Main line circuit breaker/MCCB
- Base fuel tank
- Two 12V batteries, rac and cable
- Exhaust system(Ripple flex exhaust pipe, exhaust siphon, flange, muffler
- User manual

Options

- Battery charge
- Engine heater
- Alternator heater
- PMG
- Water oil separator
- Daily fuel tank
- Remote control panel
- Automatic transfer switch/ATS
- Switch box
- Standard: ● Options:○

Warranty*

Fawde Engine

12 months from date of purchase and 1000 hours.

Generator

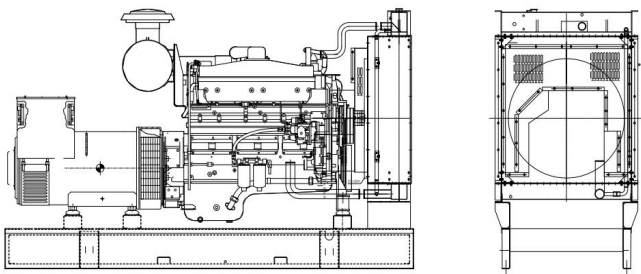
12 months from date of purchase or 1000 hours (whichever occurs first).

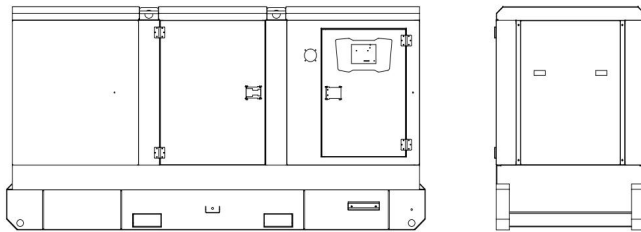


More information, pls refer to our web-site: www.longkaipower.com

Manufacturer reserves the right to make changes in model, technical specification, color, equipment and accessories without notice.

Unit Dimensions(Basic unit)

		
Open Type		
L*W*H	mm	1450*720*900
Weight	kg	650

		
Silent Type		
L*W*H	mm	2020*900*1150
Weight	kg	750

Trailer Option

L*W*H	mm	2850*1500*880
Max loading weight	kg	650