

**POWER YOUR FUTURE**

**FAWDE Generator**

**FAW20X**

**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



**UHU Power Products and Services**

#### **Headquarters:**

House No.R-1316 Sector 15-A-4, Buffer Zone, Near Shafiq More, Karachi, Pakistan.

Ph.:021-36670841/021-36963945

Mob.:92-3212308207

E.: uhu.power.product@gmail.com

Web: www.uhupower.com.pk

## Technical Data

FAW20X

Model	FAW20X	
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)	≤75

### Engine-FAWDE

Model	4DW91-29D	
Air intake system	Natural	
Fuel injection system	Direct Inject	
No. cylinders	4	
Displacement	Liquid	2.27
Bore*Stroke	mm	85*100
Compression ratio	17	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	17
Governor type	Mechanical	
Start Motor	V	12

### Exhaust System

Exhaust gas flow	m <sup>3</sup> /min	4.2
Exhaust gas temp	°C	550
Max back pressure	kPa	6.7

### Air Intake System

Max intake restriction	kPa	3.7
Consumption	m <sup>3</sup> /min	1.4
Fan consumption	kW	1.2

### Fuel System

100% load(Prime power)	L/h	4.2
75% load(Prime power)	L/h	3.2
50% load(Prime power)	L/h	2.1
Fuel tank capacity	L	45

### Lubrication System

Total system oil capacity	L	7.8
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-DEEPSEA

Model	DSE4520
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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

## Standard Features

- Engine(Fawde)
- Radiator 50°C max,fans are driven by belt
- 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:○

More information, pls refer to our web-site: [www.uhupower.com.pk](http://www.uhupower.com.pk)

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

## Unit Dimensions(Basic unit)



Silent Type		
L*W*H	mm	1600*740*825
Weight	kg	500

## 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).