

POWER YOUR FUTURE

**Fawde Generator
FD20 FW**

4DW91-29D

Prime Power: 16KW/20KVA

Standby Power: 17.6KW/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

20KVA



PT. CIPTA DUA POWER FRANS DIESEL

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Technical Data

FD20FW

Model	FD20FW	
Rated prime power	kva	20
Rated standard power	kva	22
Rated voltage line to line	V	400/230
Rated current	A	40
Maximum sound level	dB(@7m)	69

Engine-DCEC Fawde

Model	4DW91-29D	
Aspiration	Air natural aspirated	
Fuel system	A type	
No. cylinders	4 in line	
Displacement	Liquid	2.54
Bore*Stroke	mm	90*100
Compression ratio	1.131	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	21
Governor type	Mechanical/Electrical	
Start Motor	V	24

Exhaust System

Exhaust gas flow	m ³ /min	4.6
Exhaust gas temp	°C	450
Max back pressure	kPa	10

Aspiration System

Max inlet pressure	kPa	5
Combustion volume	m ³ /min	1.98
Air flow	m ³ /min	136

Fuel System

100% load(Prime power)	L/h	4.4
75% load(Prime power)	L/h	3.3
50% load(Prime power)	L/h	2.2
Fuel tank capacity	L	60

Lubrication System

Oil capacity	L	7.8
Oil consumption	g/kwh	240
Oil pressure	kPa	345
(continuous operation)		

Cooling System

Coolant capacity	L	21
Thermostat operation range	°C	82-95
Max water temperature	°C	104

Alternator

Model	FDIESEL	FD20FW
		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

