

POWER YOUR FUTURE

**Cummins Generator
FD 100 CN**

6BT 5.9 G2

Prime Power: 80KW/100KVA

Standby Power: 88KW/110KVA



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.

Cummins Series

100KVA



PT. CIPTA DUA POWER FRANS DIESEL

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Technical Data

FD100CN

Model		FD100CN
Rated prime power	kva	100
Rated standard power	kva	110
Rated voltage line to line	V	400/230
Rated current	A	40
Maximum sound level	dB(@7m)	69

Engine-DCEC Cummins

Model		6BT 5.9 G2
Aspiration		Air natural aspirated
Fuel system		A type
No. cylinders		6 in line
Displacement	Liquid	5.9
Bore*Stroke	mm	102*120
Compression ratio		16.5
Rated speed	r/min	1500
Rated net power(with fan)	Kw	24
Governor type		Mechanical/Electrical
Start Motor	V	24

Exhaust System

Exhaust gas flow	m ³ /min	
Exhaust gas temp	°C	
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	21
75% load(Prime power)	L/h	16
50% load(Prime power)	L/h	10.5
Fuel tank capacity	L	125

Lubrication System

Oil capacity	L	16.4
Oil consumption	g/kwh	211
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	FD100CN
		UCI274C
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	100
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

