

**POWER YOUR FUTURE**

**Cummins Generator  
FD 50 CN**

**4BTA 3.9 G2**

**Prime Power: 40KW/50KVA**

**Standby Power: 44KW/55KVA**



## **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**

**50KVA**



### **PT. CIPTA DUA POWER FRANS DIESEL**

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Web : [www.fransdieselpower.com](http://www.fransdieselpower.com)

## Technical Data

Model		FD50CN
Rated prime power	kva	50
Rated standard power	kva	55
Rated voltage line to line	V	400/230
Rated current	A	40
Maximum sound level	dB(@7m)	69

### Engine-DCEC Cummins

Model	4BTA 3.9 G2	
Aspiration	Air natural aspirated	
Fuel system	A type	
No. cylinders	4 in line	
Displacement	Liquid	3.9
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 <sup>3</sup> /min	
Exhaust gas temp	°C	
Max back pressure	kPa	10

### Aspiration System

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

### Fuel System

100% load(Prime power)	L/h	11.8
75% load(Prime power)	L/h	8.9
50% load(Prime power)	L/h	5.9
Fuel tank capacity	L	125

### Lubrication System

Oil capacity	L	11
Oil consumption	g/kwh	233
Oil pressure	kPa	345
(continuous operation)		

### Cooling System

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

FD50CN

### Alternator

Model		FDIESEL	FD50CN
			UCI224D
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	50	
Exciter Type	Brushless, self-excitation		
Voltage regulation	%	±0.5	
Protection Grade	IP 23		
Insulation grade	H/H		
Altitude	m	1000	

### Controller-DEEPSEA

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

