



Enriching Lives

Chhota Chilli Generating Set





Know your Engine/Genset's Specification

Parameters	Unit	Specification
Type of engine		Single-cylinder, vertical-4 cycle air cooled diesel
Model		CC418
Cooling system	-	Forced Air Cooling by flywheel fan
Combustion system	-	Direct injection system
Starting system	-	Self Starter (12 V DC)
Bore x stroke	mm	86 x 72
Displacement	L	0.418
Output	HP(KVA)	7.5 (5)
Rated engine speed	rpm	3000
Idle engine speed at no load high	rpm	3150±30
Aspiration		Naturally Aspirated
Compression Ratio	-	19.5:1



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Parameters		Unit	Specification
Direction of Rotation		-	
		-	Clockwise looking at the FWE
Fuel System	Fuel Injection Pump	-	Stanadayne
	FIP Timing	Deg	17.0 ± 1
	Fuel Injection Nozzle	-	Bosch Make
	Fuel injection pressure	Kg/cm ²	200
	Fuel oil Selection	-	High Speed Diesel fuel
	Fuel filter	-	Paper element enclosed in plastic mould
	Fuel Tank	-	Built in type with upper lid of canopy
	Fuel Tank Capacity	Ltr	12.5



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Parameters		Unit	Specification
Lubricating Oil system	Type of lubrication	-	Forced lubrication, mist lubrication for rocker arm
	Lube oil filter	-	Resin, 60 mesh enclosed in crankcase bottom side
	Lube oil selection	-	SAE15W/40 K Oil Super
	Lube oil sump capacity	Ltr	1.65
Air Cleaner		-	Dry type surrounded by cloth of foam nature
Exhaust silencer		-	Expansion silencer with cover, catalytic converter
Governor		-	Fixed speed mechanical governor
Engine dimension(L x W x H)		mm	392 x 470 x 494
Balance shaft		-	Single shaft counter balance weight



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Dry Weight of Generator	Kgs	195
Genset Dimension	mm	1215 x 550 x 840
Valve Clearance	mm	Inlet: 0.15 ± 0.02 & Exhaust: 0.15 ± 0.02 (Cold condition)
Safety system	---	Tripping
Charging	---	Through rectifier
Source of supply for rectifier	----	Magneto
Starting	----	Through relay
Meter	---	Hour meter of 230 V AC & Analogue volt meter
Protection	----	Circuit protector
Switch	----	Three Position: Stop, Run, Start
Indicators	----	Two LED lamps for fault & Load on indicator
Fuel On Solenoid	----	Electrically operated

Control Panel

The control Panel is equipped with

1. Voltmeter
2. Voltage indicator lamp
3. MCB
4. Key for starting
5. Output Socket
6. Hour Meter
7. Ammeter
8. Fault indicator
9. Load ON Indicator



Product Application

❑ Operation 1:

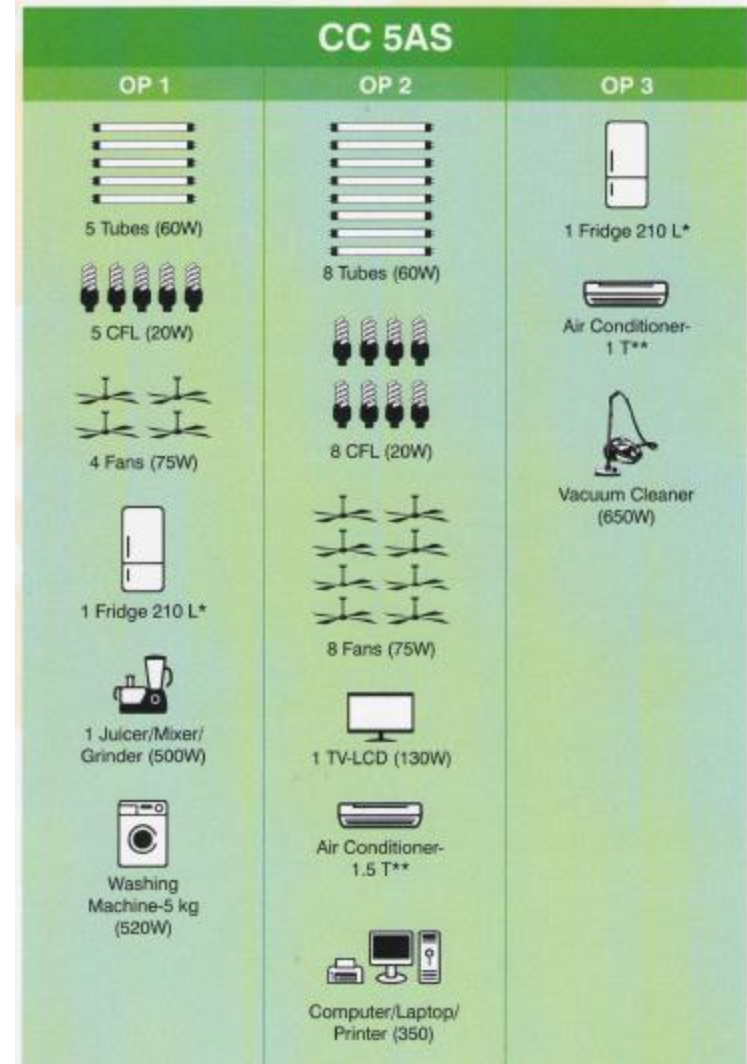
- 5 Tube lights of 60W each
- 5 CFL of 20 W each
- 4 Fans of 75 W each
- 1 Refrigerator of 210 L
- 1 Juicer/Mixer/Grinder of 500 W
- Washing Machine- 5 KG (520W)

❑ Operation 2:

- 8 Tube lights of 60 W each
- 8 CFL of 20W each
- 8 Fans of 75W each
- 1 LCD TV of 130 W
- 1 Air Conditioner of 1.5 Ton
- 1 Computer/Laptop/Printer

❑ Operation 3:

- 1 Refrigerator of 210 L
- 1 Air Conditioner of 1 Ton
- Vacuum Cleaner of 650W





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Component Identification

