

**MODEL: BF-C275D**

**400V | 1500rpm | 50Hz**



<b>ESP</b> Standby Power	<b>275 kVA</b>	<b>PRP</b> Prime Power	<b>250 kVA</b>
<b>ENGINE</b>	<b>DCEC Cummins</b>	<b>ALTERNATOR</b>	<b>STAMFORD</b>
	<b>6LTAA8.9-G2</b>		<b>UCDI274K1</b>

**GENERAL FEATURES**

Engine: DCEC Cummins 6LTAA8.9-G2

Alternator: single bearing, IP23, insulation class H

50°C radiator, fans are driven by belt, with safety guard

Dry type air filter, fuel filter & oil filter

Vibration damper

Standard control panel

24V charging alternator

Exhaust bellows, elbows, flange & muffler

Lead-acid batteries, rack and cables

User manual

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**GENERATOR RATINGS**

Voltage	Hz	Phase	PF (COSΦ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	361	220/275	200/250
415/240	50	3	0.8	383	220/275	200/250
400/230	50	3	0.8	397	220/275	200/250
380/220	50	3	0.8	418	220/275	200/250

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820 (eqv ISO 8528) ; A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

Standby Power Rating (ESP): The standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

**SALES PROMISES**

Baifa Power provides a full line of brand new and high quality products. Each and every unit is strictly factory tested.

Warranty is according to our standard conditions: 15 months from the date BAIFA sold to the first buyer or one year after installation or 1000 running hours (accumulated), whichever comes first.

Service and parts are available from Baifa Power or distributors in your location.

**MODEL: BF-C275D****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	DCEC Cummins 6LTAA8.9-G2
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Air intake system	Turbo, Air/Air Cooling
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Fuel system	P7100 type fuel pump
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Cylinder arrangement	6 in line
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Displacement	8.9L
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Bore and stroke	114*145 (mm)
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Compression ratio	16.6:1
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Rated speed	1500rpm
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Max. Standby power at rated speed	240KW/322HP
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Governor type	Electronic
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**Exhaust System**

Exhaust gas flow	38 m <sup>3</sup> /min
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Exhaust temperature	470 °C
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Max back pressure	10.1kPa
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**Air Intake System**

Max intake restriction	6.2kPa
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Combustion air flow	15.2 m <sup>3</sup> /min
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Air flow required for radiator	288 m <sup>3</sup> /min
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**Fuel System**

Fuel consumption @ 100% (Prime Power) Load	197 g/kWh	52L/h
Fuel consumption @ 75% (Prime Power) Load	197 g/kWh	39L/h
Fuel consumption @ 50% (Prime Power) Load	201 g/kWh	27L/h

**Oil System**

Total oil capacity	27.6L
Oil consumption	≤4g/kwh
Oil sump capacity	24L

**Cooling System**

Coolant capacity	34L
Max water temperature	104°C

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Industrial alternators meet the requirements of the relevant parts of the BS5000, VDE 0530, NEMA MG1-22, IEC34, CSA 22.2-100 and AS1359.

**Alternator Data**

Number of Phase	3
Connecting Type	3 Phase and 4 Wires, Y type connecting
Number of Bearing	1
Power Factor	0.8
Protection Class	IP23
Altitude	≤1000m
Exciter Type	Brushless exciting
Insulation Class/Temperature Rise	H/H
Telephone Influence Factor (TIF)	< 50
THF	< 2%
Alternator Capacity	250kVA
Alternator Efficiency	92.7%

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Related range of voltage setting	$\geq \pm 5\%$
Steady-state voltage deviation	$\leq \pm 1\%$
Transient voltage deviation (100 % sudden power decrease)	$\leq +25\%$
Transient voltage deviation (sudden power increase)	$\leq -20\%$
Voltage recovery time (100 % sudden power decrease)	$\leq 6S$
Voltage recovery time (sudden power increase)	$\leq 6S$
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	$\leq 1.5\%$
Transient frequency deviation (100 % sudden power decrease)	$\leq +12\%$
Transient frequency deviation (sudden power increase)	$\leq -10\%$
Frequency recovery time (100 % sudden power decrease)	$\leq 5S$
Frequency recovery time (sudden power increase)	$\leq 5S$

**STANDARD FEATURES**

Standard auto control system	Exhaust system (including until muffler)	Documents
Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	Special tools
Base fuel tank	MCCB	

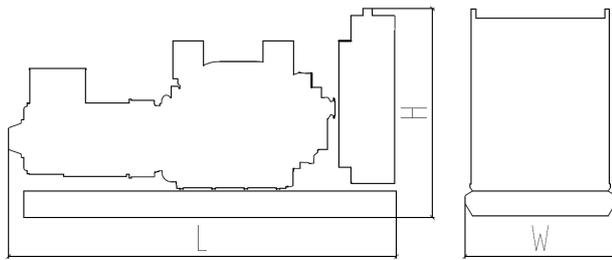
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**OPTIONS**

Daily fuel tank	Rainproof type	Remote control panel
Alternator heater	Soundproof type	Paralleling system
Spare parts	Trailer type	Switch box
Automatic transfer switch		

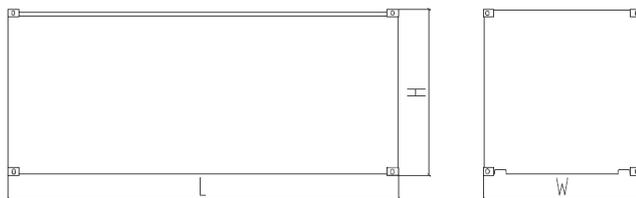
**DIMENSIONS & WEIGHT**



**Standard Configuration (open type with base fuel tank)**

Overall Dimensions: 2610×1000×1850 mm

Weight: 2060 kg



**Soundproof Type**

Overall Dimensions: 3590×1150×2050 mm

Weight: 2940 kg

*Specifications are subject to change without notice.*

**BAIFA POWER (WUXI) LTD.**

**WEBSITE: WWW.BAIFAPOWER.COM**

**EMAIL: MARKETING@BAIFAPOWER.COM**

**TEL: +86-510-85342633**

Comprehensive Solutions For  
**POWER GENERATION**

