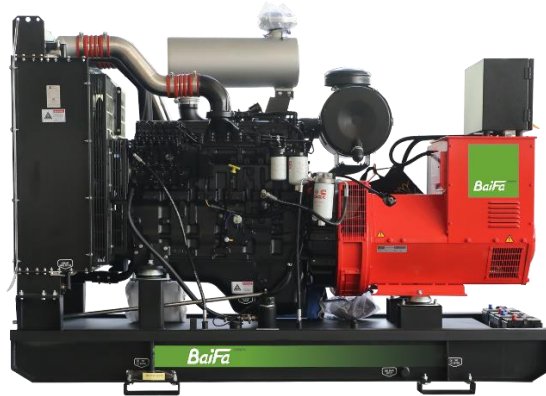


MODEL: BF-C350D-60

440V | 1800rpm | 60Hz



ESP	330kVA	PRP	300kVA
ENGINE	DCEC Cummins	ALTERNATOR	STAMFORD
	6LTAA9.5-G1		UCDI274K1

GENERAL FEATURES

Engine: DCEC Cummins 6LTAA9.5-G1

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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440V | 1800rpm | 60Hz

GENERATOR RATINGS

Voltage	Hz	Phase	PF (COSΦ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
480/277	60	3	0.8	397	264kW/330kVA	240kW/300kVA
460/266	60	3	0.8	414	264kW/330kVA	240kW/300kVA
440/254	60	3	0.8	433	264kW/330kVA	240kW/300kVA
416/240	60	3	0.8	458	264kW/330kVA	240kW/300kVA

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-C350D-60

440V | 1800rpm | 60Hz

ENGINE SPECIFICATION

Manufacturer / Model	DCEC Cummins 6LTAA9.5-G1
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Air intake system	Turbocharged, Air/Air Cooling
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Fuel system	Mechanical fuel pump
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Cylinder arrangement	6 in line
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Displacement	9.5L
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Bore and stroke	116.5×148 mm
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Compression ratio	N/A
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Rated speed	1800rpm
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Max. Standby power at rated speed	310kW
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	61 m ³ /min
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Exhaust temperature	495°C
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Max back pressure	10kPa
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Air Intake System

Max intake restriction	6.2kPa
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Combustion air flow	27 m ³ /min
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Air flow required for radiator	450 m ³ /min
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MODEL: BF-C350D-60

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Fuel System

Fuel consumption @ 100% (Prime Power) Load	199g/kWh	64.1L/h
Fuel consumption @ 75% (Prime Power) Load	197g/kWh	48.1L/h
Fuel consumption @ 50% (Prime Power) Load	200g/kWh	33.8L/h

Oil System

Total oil capacity	27.6L
Oil sump capacity	19-27L

Cooling System

Coolant capacity	57L
Max water temperature	104°C





MODEL: BF-C350D-60

440V | 1800rpm | 60Hz

ALTERNATOR SPECIFICATION

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	299kVA
Alternator Efficiency	92.7%

MODEL: BF-C350D-60

440V | 1800rpm | 60Hz

GENERATING SET DATA

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

Standard auto control system	Exhaust system (including until muffler)	Documents
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Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	MCCB
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MODEL: BF-C350D-60

440V | 1800rpm | 60Hz

OPTIONS

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

Paralleling system

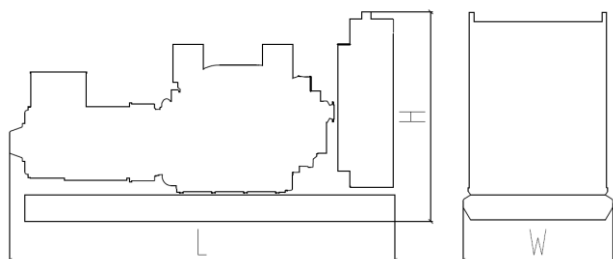
Spare parts

Trailer type

Switch box

Automatic transfer switch

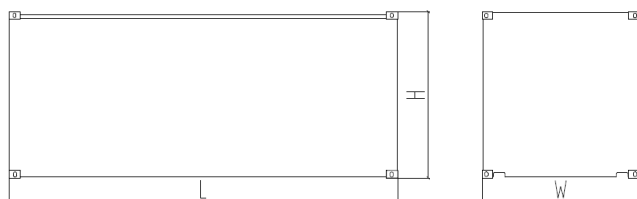
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 2910×1100×1750 mm

Weight: 2200 kg



Soundproof Type

Overall Dimensions: 3890×1460×2150 mm

Weight: 3100 kg

Specifications are subject to change without notice.

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POWER GENERATION