

MODEL: BF-C350

400V | 1500rpm | 50Hz



ESP Standby Power	340 kVA	PRP Prime Power	310 kVA
ENGINE	CCEC Cummins	ALTERNATOR	STAMFORD
	MTAA11-G3		S4L1D-D41

GENERAL FEATURES

Engine: CCEC Cummins MTAA11-G3

Alternator: single bearing, IP23, insulation class H

40°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	446	272/340	248/310
415/240	50	3	0.8	473	272/340	248/310
400/230	50	3	0.8	491	272/340	248/310
380/220	50	3	0.8	517	272/340	248/310

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.

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Manufacturer / Model	CCEC Cummins MTAA11-G3
Air intake system	Turbo, Air/Air cooling
Fuel system	PT-STC type fuel pump, EFC
Cylinder arrangement	6 in line
Displacement	10.8L
Bore and stroke	125*147(mm)
Compression ratio	15.0
Rated speed	1500rpm
Max. Standby power at rated speed	310KW/421HP
Governor type	Electronic

Exhaust System

Exhaust gas flow	57 m ³ /min
Exhaust temperature	545 °C
Max back pressure	10kPa

Air Intake System

Max intake restriction	6.2kPa
Combustion air flow	23.7 m ³ /min
Air flow required for radiator	490 m ³ /min

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Fuel System

Fuel consumption @ 100% (Prime Power) Load	52.1kg/h	61.3L/h
Fuel consumption @ 75% (Prime Power) Load	38.2kg/h	44.9L/h
Fuel consumption @ 50% (Prime Power) Load	23.5kg/h	27.6L/h

Oil System

Total oil capacity	36.7L
Oil consumption	≤4g/kwh
Oil sump capacity	26.5~34L

Cooling System

Coolant capacity	61L
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	310kVA
Alternator Efficiency	92.9%

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GENERATING SET DATA

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

MCCB

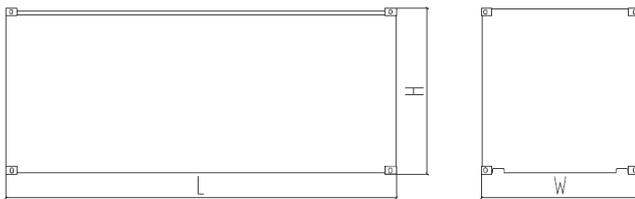
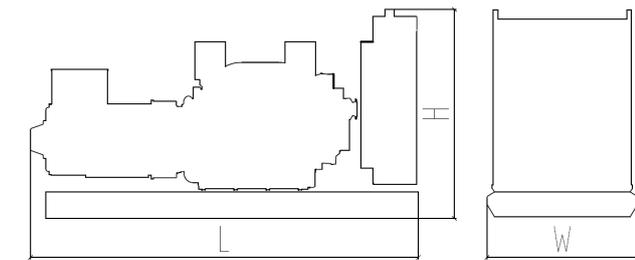
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OPTIONS

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)

Overall Dimensions: 3050×1100×1650 mm

Weight: 2420 kg

Soundproof Type

Overall Dimensions: 3890×1460×2150 mm

Weight: 3770 kg

Specifications are subject to change without notice.

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