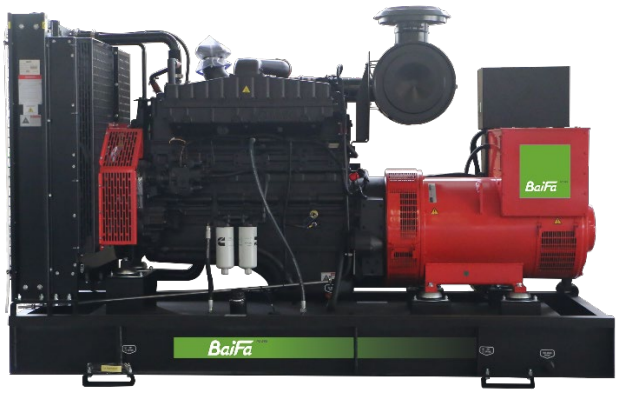
MODEL: BF-C360

400V | 1500rpm | 50Hz



ESP Standby Power	**350 kVA**	**PRP** Prime Power	**320 kVA**
ENGINE	**CCEC Cummins**	**ALTERNATOR**	**STAMFORD**
	NTA855-G1B		**S4L1D-E41**

GENERAL FEATURES

Engine: CCEC Cummins NTA855-G1B	Alternator: single bearing, IP23, insulation class H
40℃ 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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400V | 1500rpm | 50Hz

GENERATOR RATINGS

Voltage	Hz	Phase	PF (COSΦ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	459	280/350	256/320
415/240	50	3	0.8	487	280/350	256/320
400/230	50	3	0.8	505	280/350	256/320
380/220	50	3	0.8	532	280/350	256/320

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-C360

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ENGINE SPECIFICATION

Manufacturer / Model	CCEC Cummins NTA855-G1B
Air intake system	Turbo, Water/Air cooling
Fuel system	PT type fuel pump, EFC
Cylinder arrangement	6 in line
Displacement	14L
Bore and stroke	140*152（mm）
Compression ratio	14.0:1
Rated speed	1500rpm
Max. Standby power at rated speed	321KW/430HP
Governor type	Electronic

Exhaust System

Exhaust gas flow	65.4 m^3/min
Exhaust temperature	499 ℃
Max back pressure	10kPa

Air Intake System

Max intake restriction	6.25kPa
Combustion air flow	25.08 m^3/min
Air flow required for radiator	490.8 m^3/min

MODEL: BF-C360

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Fuel System		
Fuel consumption @ 100% (Prime Power) Load	209 g/kWh	71.0 L/h
Fuel consumption @ 75% (Prime Power) Load	212 g/kWh	54.4 L/h
Fuel consumption @ 50% (Prime Power) Load	223 g/kWh	39.3 L/h

Oil System	
Total oil capacity	38.6L
Oil consumption	≤4g/kwh
Oil sump capacity	28.4~36L

Cooling System	
Coolant capacity	85L
Max water temperature	104℃

MODEL: BF-C360

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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	360kVA
Alternator Efficiency	93.3%

MODEL: BF-C360

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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		

MODEL: BF-C360

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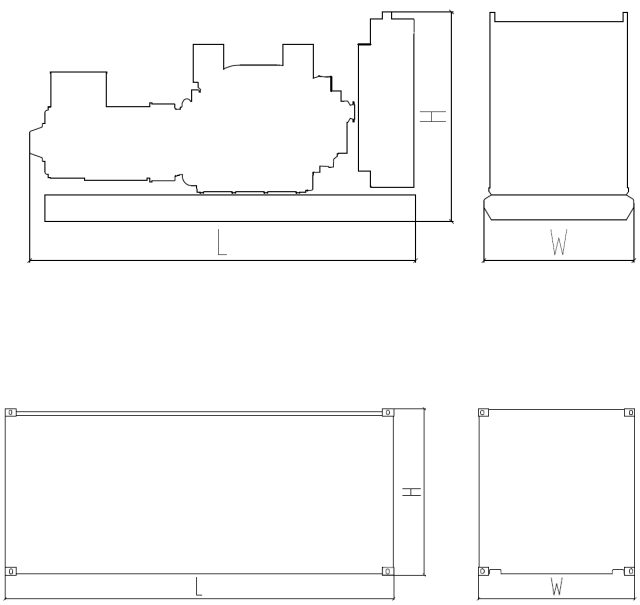
OPTIONS

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: 3100×1100×1900 mm
Weight: 2870 kg

Soundproof Type
Overall Dimensions: 4230×1460×2150 mm
Weight: 4235 kg

Specifications are subject to change without notice.

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