

MODEL: BF-C2750QE

400V | 1500rpm | 50Hz



ESP Standby Power	2750 kVA	PRP Prime Power	2500 kVA
ENGINE	Cummins	ALTERNATOR	STAMFORD
	QSK60-G23		S7L1D-J4

GENERAL FEATURES

Engine: Cummins QSK60-G23

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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Voltage	Hz	Phase	PF (COS Φ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	3609	2200/2750	2000/2500
415/240	50	3	0.8	3826	2200/2750	2000/2500
400/230	50	3	0.8	3969	2200/2750	2000/2500
380/220	50	3	0.8	4178	2200/2750	2000/2500

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	Cummins QSK60-G23
Air intake system	Turbo, Air/Water cooling
Fuel system	Cummins MCRS
Cylinder arrangement	16 in "V"
Displacement	60.2L
Bore and stroke	159×190 (mm)
Compression ratio	14.5:1
Rated speed	1500rpm
Max. Standby power at rated speed	2388KW
Governor type	Electrical

Exhaust System

Exhaust gas flow	405 m ³ /min
Exhaust temperature	480 °C
Max back pressure	6.8 kPa

Air Intake System

Max intake restriction	6.2 kPa
Combustion air flow	164 m ³ /min
Air flow required for radiator	2800 m ³ /min



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Fuel System

Fuel consumption @ 100% (Prime Power) Load	196g/kWh	495L/h
Fuel consumption @ 75% (Prime Power) Load	207g/kWh	396L/h
Fuel consumption @ 50% (Prime Power) Load	224g/kWh	292L/h

Oil System

Total oil capacity	397L
Oil consumption	N/A
Oil sump capacity	348~379L

Cooling System

Coolant capacity	620L
Max water temperature	110°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	2500kVA
Alternator Efficiency	96.3%

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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)	$\leq +20\%$
Transient voltage deviation (sudden power increase)	$\leq -15\%$
Voltage recovery time (100 % sudden power decrease)	$\leq 4S$
Voltage recovery time (sudden power increase)	$\leq 4S$
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	$\leq 0.5\%$
Transient frequency deviation (100 % sudden power decrease)	$\leq +10\%$
Transient frequency deviation (sudden power increase)	$\leq -7\%$
Frequency recovery time (100 % sudden power decrease)	$\leq 3S$
Frequency recovery time (sudden power increase)	$\leq 3S$

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

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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: 6000x2200x2800 mm

Weight: 16500 kg



Soundproof Type (standard 40'ft HQ container)

Overall Dimensions: 12192x2438x2896 mm

Weight: 26500 kg

Specifications are subject to change without notice.

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