

**MODEL: BF-C2500Q**

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



<b>ESP</b> Standby Power	<b>2500 kVA</b>	<b>PRP</b> Prime Power	<b>2250 kVA</b>
<b>ENGINE</b>	<b>Cummins</b>	<b>ALTERNATOR</b>	<b>STAMFORD</b>
	<b>QSK60-G8</b>		<b>S7L1D-H4</b>

**GENERAL FEATURES**

Engine: Cummins QSK60-G8

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	3280	2000/2500	1800/2250
415/240	50	3	0.8	3478	2000/2500	1800/2250
400/230	50	3	0.8	3608	2000/2500	1800/2250
380/220	50	3	0.8	3798	2000/2500	1800/2250

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-C2500Q****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Cummins QSK60-G8
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	2145KW
Governor type	Electrical

**Exhaust System**

Exhaust gas flow	379 m <sup>3</sup> /min
Exhaust temperature	485 °C
Max back pressure	6.7kPa

**Air Intake System**

Max intake restriction	6.2kPa
Combustion air flow	156 m <sup>3</sup> /min
Air flow required for radiator	1980 m <sup>3</sup> /min

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**Fuel System**

Fuel consumption @ 100% (Prime Power) Load	195 g/kWh	440 L/h
Fuel consumption @ 75% (Prime Power) Load	196 g/kWh	333 L/h
Fuel consumption @ 50% (Prime Power) Load	202 g/kWh	233 L/h

**Oil System**

Total oil capacity	195L
Oil consumption	N/A
Oil sump capacity	146~176L

**Cooling System**

Coolant capacity	460L
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	2325kVA
Alternator Efficiency	96.2%

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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

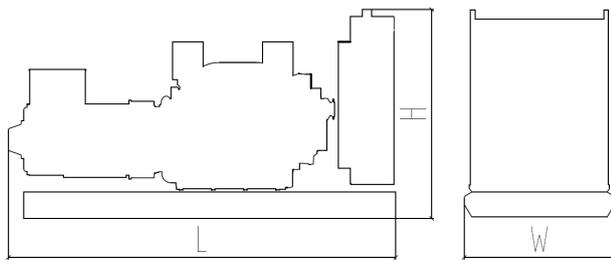
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**OPTIONS**

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

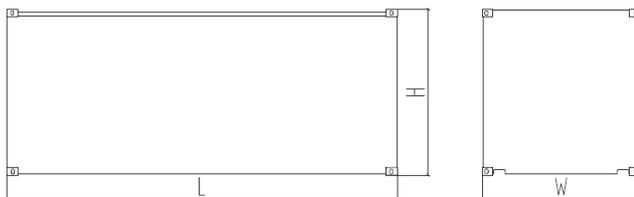
**DIMENSIONS & WEIGHT**



**Standard Configuration (open type)**

Overall Dimensions: 5820×2200×2630mm

Weight: 15500 kg



**Soundproof Type (standard 40'ft HQ container)**

Overall Dimensions: 12192×2438×2896 mm

Weight: 25500 kg

*Specifications are subject to change without notice.*

**BAIFA POWER (WUXI) LTD.**

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