

MODEL: BF-C2250Q

400V | 1500rpm | 50Hz



ESP Standby Power	2250 kVA	PRP Prime Power	2050 kVA
ENGINE	Cummins	ALTERNATOR	STAMFORD
	QSK60-G4		S7L1D-G4

GENERAL FEATURES

Engine: Cummins QSK60-G4

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	2952	1800/2250	1640/2050
415/240	50	3	0.8	3130	1800/2250	1640/2050
400/230	50	3	0.8	3247	1800/2250	1640/2050
380/220	50	3	0.8	3418	1800/2250	1640/2050

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-G4
Air intake system	Turbo, Air/Water cooling
Fuel system	HPI PT type fuel pump
Cylinder arrangement	16 in V
Displacement	60.2L
Bore and stroke	159×190 (mm)
Compression ratio	14.5
Rated speed	1500rpm
Max. Standby power at rated speed	1915KW/2567BHP
Governor type	Governor Control System (GCS)

Exhaust System

Exhaust gas flow	336.6 m ³ /min
Exhaust temperature	450 °C
Max back pressure	6.7kPa

Air Intake System

Max intake restriction	6.2kPa
Combustion air flow	144.3 m ³ /min
Air flow required for radiator	1920 m ³ /min

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Fuel System

Fuel consumption @ 100% (Prime Power) Load	193 g/kWh	402 L/h
Fuel consumption @ 75% (Prime Power) Load	191 g/kWh	301 L/h
Fuel consumption @ 50% (Prime Power) Load	196 g/kWh	212 L/h

Oil System

Total oil capacity	280L
Oil consumption	≤4g/kwh
Oil sump capacity	231~261L

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	2080kVA
Alternator Efficiency	96.0%

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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

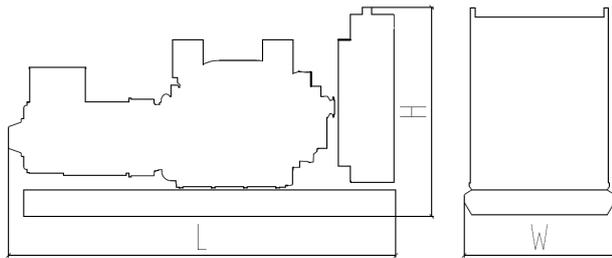
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OPTIONS

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

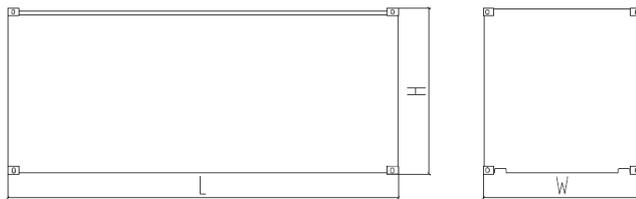
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 5600×2100×2600 mm

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.

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