

MODEL: BP C825 (BF-C825)

400V | 1500rpm | 50Hz



ESP Standby Power	825 kVA	PRP Prime Power	750 kVA
ENGINE	CCEC Cummins	ALTERNATOR	STAMFORD
	KTA38-G2		S5L1D-H4

GENERAL FEATURES

Engine: CCEC Cummins KTA38-G2	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	1083	660/825	600/750
415/240	50	3	0.8	1148	660/825	600/750
400/230	50	3	0.8	1191	660/825	600/750
380/220	50	3	0.8	1253	660/825	600/750

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

Berca 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 Berca sold to the first buyer or one year after installation or 1000 running hours (accumulated), whichever comes first.

Service and parts are available from Berca Power or distributors in your location.

**MODEL: BP C825 (BF-C825)****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	CCEC Cummins KTA38-G2
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Air intake system	Turbo, Air/Water cooling
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Fuel system	PT type fuel pump, EFC
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Cylinder arrangement	12 in "V"
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Displacement	37.8L
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Bore and stroke	159*159 (mm)
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Compression ratio	14.5:1
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Rated speed	1500rpm
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Max. Standby power at rated speed	731KW/994HP
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	158.04 m ³ /min
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Exhaust temperature	552 °C
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Max back pressure	10kPa
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Air Intake System

Max intake restriction	6.23kPa
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Combustion air flow	55.2 m ³ /min
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Air flow required for radiator	1140 m ³ /min
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Fuel consumption @ 100% (Prime Power) Load	214 g/kWh	165 L/h
Fuel consumption @ 75% (Prime Power) Load	218 g/kWh	126 L/h
Fuel consumption @ 50% (Prime Power) Load	N/A	N/A

Oil System

Total oil capacity	135L
Oil consumption	≤4g/kwh
Oil sump capacity	121~151L

Cooling System

Coolant capacity	252L
Max water temperature	104°C

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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	750kVA
Alternator Efficiency	94.6%

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

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		

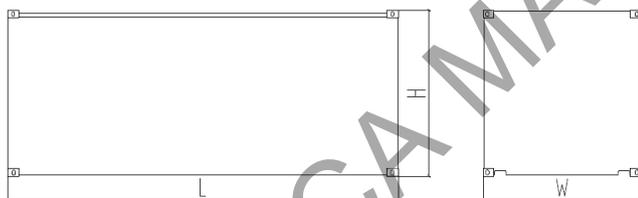
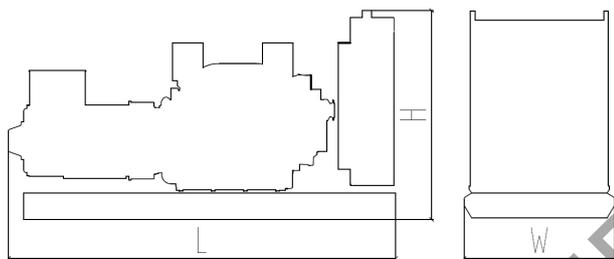
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OPTIONS

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: 4200×1800×2250 mm

Weight: 6850 kg

Standard Configuration (with base fuel tank)

Overall Dimensions: 4200×1800×2250 mm

Weight: 6950 kg

Soundproof Type

Overall Dimensions: 6058×2438×2591 mm

Weight: 11850 kg

Specifications are subject to change without notice.



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