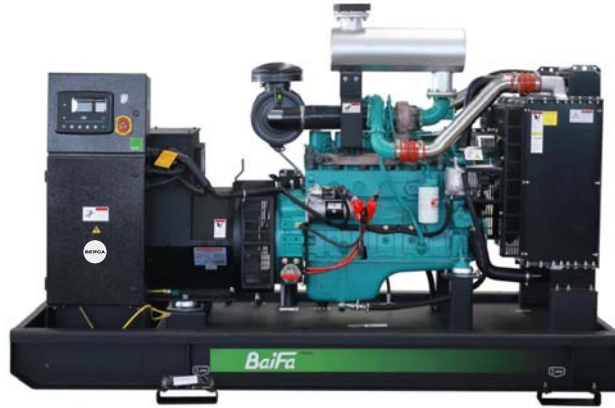


MODEL: BP C140 (BF-C140)

400V | 1500rpm | 50Hz



ESP Standby Power	138 kVA	PRP Prime Power	125 kVA
ENGINE	DCEC Cummins	ALTERNATOR	STAMFORD
	6BTAA5.9-G2		UCI274ES1

GENERAL FEATURES

Engine: DCEC Cummins 6BTAA5.9-G2	Alternator: single bearing, IP23, insulation class H
50°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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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	180	110/138	100/125
415/240	50	3	0.8	191	110/138	100/125
400/230	50	3	0.8	198	110/138	100/125
380/220	50	3	0.8	209	110/138	100/125

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: 12 months unlimited hours meter, after testing & commissioning. Service and parts are available from PT BERCA MANDIRI PERKASA and its office networks.

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ENGINE SPECIFICATION

Manufacturer / Model	DCEC Cummins 6BTAA5.9-G2
Air intake system	Turbo, Air/Air Cooling
Fuel system	PB type fuel pump
Cylinder arrangement	6 in line
Displacement	5.9L
Bore and stroke	102*120 (mm)
Compression ratio	17.3:1
Rated speed	1500rpm
Max. Standby power at rated speed	130KW/174HP
Governor type	Electronic

Exhaust System

Exhaust gas flow	19.7 m ³ /min
Exhaust temperature	540 °C
Max back pressure	10kPa

Air Intake System

Max intake restriction	6.1kPa
Combustion air flow	7.2 m ³ /min
Air flow required for radiator	190 m ³ /min

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Fuel System

Fuel consumption @ 100% (Prime Power) Load	208 g/kWh	28 L/h
Fuel consumption @ 75% (Prime Power) Load	207 g/kWh	21 L/h
Fuel consumption @ 50% (Prime Power) Load	214 g/kWh	15 L/h

Oil System

Total oil capacity	16.4L
Oil consumption	≤4g/kwh
Oil sump capacity	12.3~14.2L

Cooling System

Coolant capacity	29L
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	125kVA
Alternator Efficiency	92.0%

MODEL: BP C140 (BF-C140)

400V | 1500rpm | 50Hz

GENERATING SET DATA

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
Base fuel tank	MCCB	

MODEL: BP C140 (BF-C140)

400V | 1500rpm | 50Hz

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 with base fuel tank)

Overall Dimensions: 2400×900×1700 mm

Weight: 1360 kg

Soundproof Type

Overall Dimensions: 3230×1170×1800 mm

Weight: 2140 kg

Specifications are subject to change without notice.



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