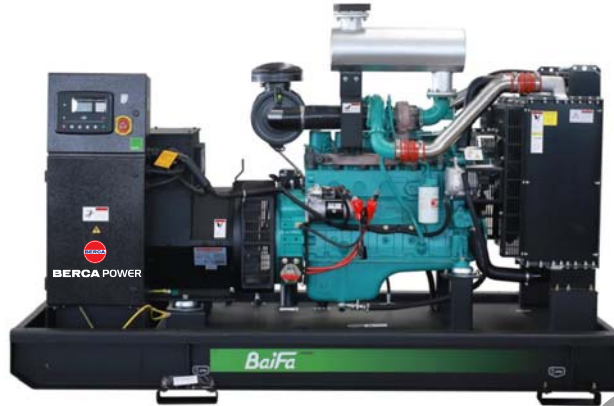


**MODEL: BP C140 (BF-C140)**

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



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

### 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 after testing & commissioning (unlimited running hours)**

Service and parts are available from **PT BERCA MANDIRI PERKASA** and its office networks.

**MODEL: BP C140 (BF-C140)**

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

## 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 <sup>3</sup> /min
Exhaust temperature	540 °C
Max back pressure	10kPa

### Air Intake System

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

**MODEL: BP C140 (BF-C140)**

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

**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

BERCA MANDIRI PERKASA

**MODEL: BP C140 (BF-C140)**

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

## 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	≥±5%
Steady-state voltage deviation	≤±1%
Transient voltage deviation (100 % sudden power decrease)	≤+25%
Transient voltage deviation (sudden power increase)	≤-20%
Voltage recovery time (100 % sudden power decrease)	≤6S
Voltage recovery time (sudden power increase)	≤6S
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	≤1.5%
Transient frequency deviation (100 % sudden power decrease)	≤+12%
Transient frequency deviation (sudden power increase)	≤-10%
Frequency recovery time (100 % sudden power decrease)	≤5S
Frequency recovery time (sudden power increase)	≤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	

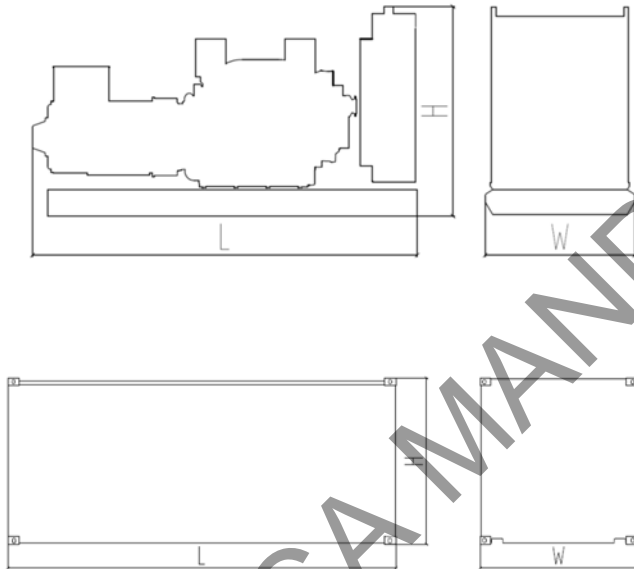
**MODEL: BP C140 (BF-C140)**

**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**



<b>Standard Configuration (open type with base fuel tank)</b>
Overall Dimensions: 2400×900×1700 mm
Weight: 1360 kg
<b>Soundproof Type</b>
Overall Dimensions: 3230×1170×1800 mm
Weight: 2140 kg

Specifications are subject to change without notice.



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**PT. ALTRAK 1078**

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