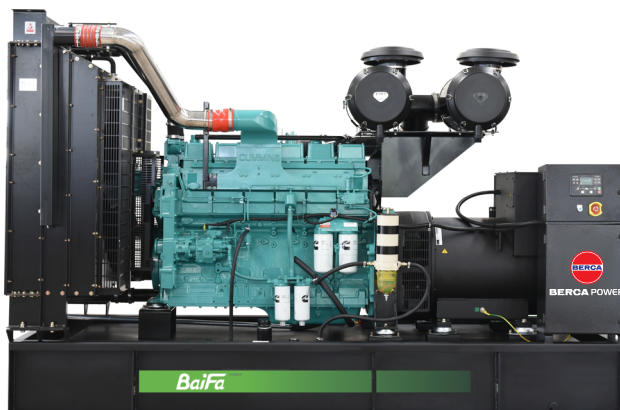


MODEL: BP C660 (BF-C660)

400V | 1500rpm | 50Hz



ESP Standby Power	650 kVA	PRP Prime Power	575 kVA
ENGINE	CCEC Cummins KTAA19-G6	ALTERNATOR	STAMFORD HCI544E1

GENERAL FEATURES

Engine: CCEC Cummins KTAA19-G6

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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400V | 1500rpm | 50Hz

GENERATOR RATINGS

Voltage	Hz	Phase	PF ($\cos\Phi$)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	852	520/650	460/575
415/240	50	3	0.8	904	520/650	460/575
400/230	50	3	0.8	938	520/650	460/575
380/220	50	3	0.8	987	520/650	460/575

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 C660 (BF-C660)

400V | 1500rpm | 50Hz

ENGINE SPECIFICATION

Manufacturer / Model CCEC Cummins KTAA19-G6

Air intake system Turbo, Air/Air cooling

Fuel system PT type fuel pump, EFC

Cylinder arrangement 6 in line

Displacement 18.9L

Bore and stroke 159*159 (mm)

Compression ratio 13.5:1

Rated speed 1500rpm

Max. Standby power at rated speed 570KW/775HP

Governor type Electronic

Exhaust System

Exhaust gas flow 119.52 m³/min

Exhaust temperature 490 °C

Max back pressure 10kPa

Air Intake System

Max intake restriction 6.23kPa

Combustion air flow 45 m³/min

Air flow required for radiator 900 m³/min

MODEL: BP C660 (BF-C660)

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Fuel System

Fuel consumption @ 100% (Prime Power) Load	215 g/kWh	126.7 L/h
Fuel consumption @ 75% (Prime Power) Load	213 g/kWh	94.5 L/h
Fuel consumption @ 50% (Prime Power) Load	215 g/kWh	65.0 L/h

Oil System

Total oil capacity	50L
Oil consumption	≤4g/kwh
Oil sump capacity	32~38L

Cooling System

Coolant capacity	116L
Max water temperature	104℃

MODEL: BP C660 (BF-C660)

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	610kVA
Alternator Efficiency	94.9%

MODEL: BP C660 (BF-C660)

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

MCCB

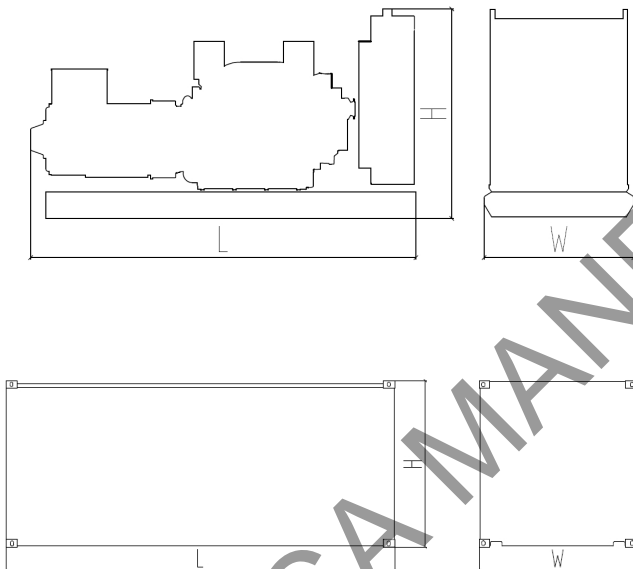
MODEL: BP C660 (BF-C660)

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)

Overall Dimensions: 3650×1450×2200 mm

Weight: 4550 kg

Standard Configuration (with base fuel tank)

Overall Dimensions: 3650×1450×2200 mm

Weight: 4820 kg

Soundproof Type

Overall Dimensions: 5030×1860×2550 mm

Weight: 6500 kg

Specifications are subject to change without notice.



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PT. ALTRAK 1078

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