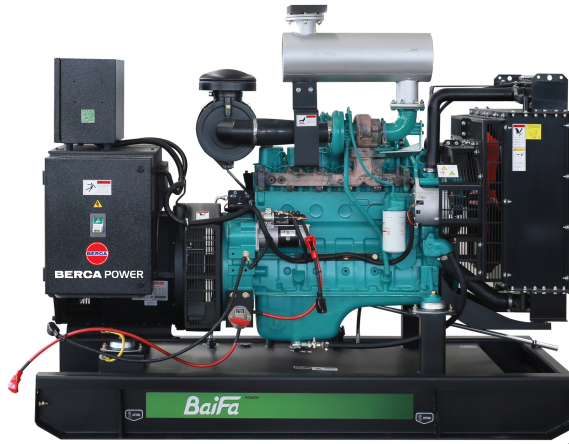


MODEL: BP C110 (BF-C110)

400V | 1500rpm | 50Hz



ESP Standby Power	109 kVA	PRP Prime Power	100 kVA
ENGINE	DCEC Cummins	ALTERNATOR	STAMFORD
	6BT5.9-G2		UCI274C1

GENERAL FEATURES

Engine: DCEC Cummins 6BT5.9-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

MODEL: BP C110 (BF-C110)

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	142	87/109	80/100
415/240	50	3	0.8	151	87/109	80/100
400/230	50	3	0.8	157	87/109	80/100
380/220	50	3	0.8	165	87/109	80/100

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 C110 (BF-C110)

400V | 1500rpm | 50Hz

ENGINE SPECIFICATION

Manufacturer / Model DCEC Cummins 6BT5.9-G2

Air intake system Turbocharged

Fuel system A 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 92KW/123HP

Governor type Electronic

Exhaust System

Exhaust gas flow 16.8 m³/min

Exhaust temperature 565 °C

Max back pressure 10kPa

Air Intake System

Max intake restriction 6.1kPa

Combustion air flow 6.5 m³/min

Air flow required for radiator 158 m³/min

MODEL: BP C110 (BF-C110)

400V | 1500rpm | 50Hz

Fuel System

Fuel consumption @ 100% (Prime Power) Load	214 g/kWh	22.8 L/h
Fuel consumption @ 75% (Prime Power) Load	216 g/kWh	17.2 L/h
Fuel consumption @ 50% (Prime Power) Load	217 g/kWh	11.6 L/h

Oil System

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

Cooling System

Coolant capacity	27L
Max water temperature	104°C

BERCA MANDIRI PERKASA

MODEL: BF-C110**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	100kVA
Alternator Efficiency	90.3%

MODEL: BP C110 (BF-C110)

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 C110 (BF-C110)

400V | 1500rpm | 50Hz

OPTIONS

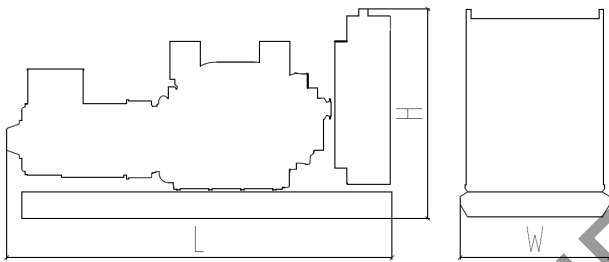
Daily fuel tank	Rainproof type	Remote control panel
Alternator heater	Soundproof type	Paralleling system
Spare parts	Trailer type	Switch box
Automatic transfer switch		

DIMENSIONS & WEIGHT

Standard Configuration (open type with base fuel tank)

Overall Dimensions: 2200×900×1700 mm

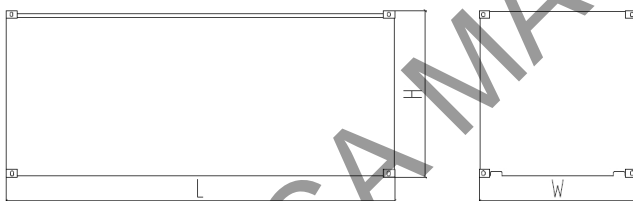
Weight: 1310 kg



Soundproof Type

Overall Dimensions: 2810×1140×1830 mm

Weight: 1800 kg



Specifications are subject to change without notice.



PT. BERCA MANDIRI PERKASA

Jln. Pangeran Jayakarta 149A, Jakarta 10730 - INDONESIA
Phone. +62 21 6006125, 6399190, 6280900,
Fax. +62 21 6399191
Email. bmp@berca-mp.co.id
www.berca-mp.co.id

Parts and Service :

Jl. Agung Utara I Blok A2 Kav. 16/31
Sunter Agung Podomoro, Jakarta 14530
Phone. +62 21 6459448-49, 64711877
Fax. +62 21 6471527

Subsidiary of :



PT. ALTRAK 1078

BRANCH NETWORKS :

JAKARTA (021) 64711877 ADARO (0526) 2701578 ASEM REGES (021) 34834511 BALIKPAPAN (0542) 761978 BANDUNG (022) 42827424 BANJARMASIN (0511) 3251979 BATAM (0778) 471978 BATU KAJANG (0543) 5230488 BENETE (0373) 635260 BENGKULU +62 81225430084 BERNGALON +62 81225430084 BERAU (0554) 2020118 BITUNG (0438) 35078 BONTANG 08125417977 CIKARANG (021) 8067306 CILEGON (0254) 390678 DENPASAR (0361) 234029 JAMBI (0828) 7401978 KETAPANG (0534) 24476 KENDARI (0401) 3082554 KETAPANG (0534) 24476 KUPANG (0380) 8441038 LAMPUNG (0721) 789976 MAKASSAR (0411) 518414 MANADO (0431) 811759 MEDAN (061) 8449978 MELAK (0813) 47371283 MOROWALI +62 7514485624 PADANG (0751) 4485624 PALEMBANG (0711) 364453 PANGKALPINANG (0717) 439578 PALU 08114564788 PEKANBARU (0761) 567678 PONTIANAK (0561) 748778 SAMARINDA (0541) 261978 SAMPIT (0531) 34008 SANGATTA (0549) 23360 SATUI (0512) 61575 SEMARANG (024) 3581371 SORONG (0824) 4428284 SURABAYA (031) 847595753 TARAKAN (0551) 3829585