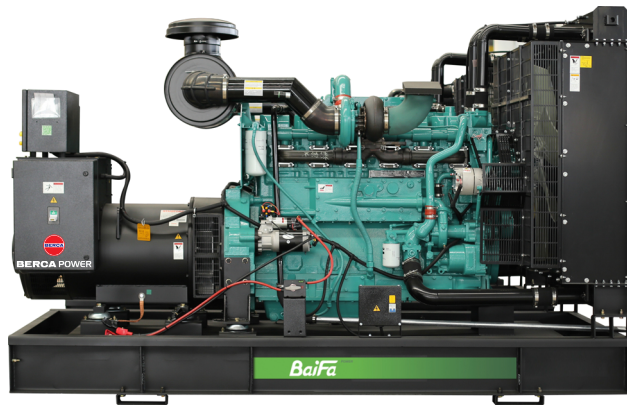


**MODEL: BP C412 (BF-C412)**

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



<b>ESP</b> Standby Power	<b>412 kVA</b>	<b>PRP</b> Prime Power	<b>375 kVA</b>
<b>ENGINE</b>	<b>CCEC Cummins</b>	<b>ALTERNATOR</b>	<b>STAMFORD</b>
	<b>NTAA855-G7</b>		<b>S4L1D-F41</b>

### GENERAL FEATURES

Engine: CCEC Cummins NTAA855-G7	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	541	330/412	300/375
415/240	50	3	0.8	573	330/412	300/375
400/230	50	3	0.8	595	330/412	300/375
380/220	50	3	0.8	626	330/412	300/375

**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 C412 (BF-C412)**

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

## ENGINE SPECIFICATION

Manufacturer / Model CCEC Cummins NTAA855-G7

Air intake system Turbo, Air/Air cooling

Fuel system PT type fuel pump, EFC

Cylinder arrangement 6 in line

Displacement 14L

Bore and stroke 140\*152 (mm)

Compression ratio 14.0:1

Rated speed 1500rpm

Max. Standby power at rated speed 377KW/513HP

Governor type Electronic

### Exhaust System

Exhaust gas flow 69 m<sup>3</sup>/min

Exhaust temperature 497 °C

Max back pressure 10kpa

### Air Intake System

Max intake restriction 6.22kPa

Combustion air flow 30.6 m<sup>3</sup>/min

Air flow required for radiator 490.8 m<sup>3</sup>/min

**MODEL: BP C412 (BF-C412)**

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

**Fuel System**

Fuel consumption @ 100% (Prime Power) Load	206.7 g/kWh	81.7 L/h
Fuel consumption @ 75% (Prime Power) Load	208.7 g/kWh	62.1 L/h
Fuel consumption @ 50% (Prime Power) Load	215.7 g/kWh	43.9 L/h

**Oil System**

Total oil capacity	38.6L
Oil consumption	≤4g/kwh
Oil sump capacity	28.4~36L

**Cooling System**

Coolant capacity	64L
Max water temperature	96°C

BERCA MANDIRI PERKASA

**MODEL: BP C412 (BF-C412)**

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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	415kVA
Alternator Efficiency	93.2%

**MODEL: BP C412 (BF-C412)**

**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
MCCB		

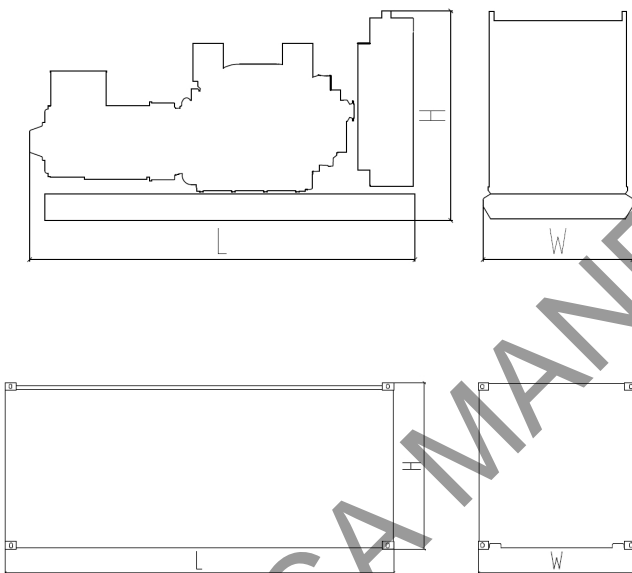
**MODEL: BP C412 (BF-C412)**

**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)</b>
Overall Dimensions: 3350×1200×1900 mm
Weight: 3100 kg
<b>Standard Configuration (with base fuel tank)</b>
Overall Dimensions: 3350×1200×1900 mm
Weight: 3280 kg
<b>Soundproof Type</b>
Overall Dimensions: 4230×1460×2150 mm
Weight: 4520 kg

Specifications are subject to change without notice.



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**PT. ALTRAK 1078**

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