

## Gas generator with CHP system CHP110VB



Note: The photo of generator is only for your reference.

**Model** CHP110VB

### Engine:

Base Engine:6CT8.3

Number of cylinders:6

Air intake way:Turbo-charged

Bore x Stroke (mm):114x135

Displacement(L):8.3L

Compression ratio:16.5:1

Engine speed(rpm) :1500

Engine weight(kg):636

Prime Power(kw):110

Standby Power(kw):120

Torque(N·m):465

Low idle(rpm):750±50

Piston seed(m/s):6

Engine coolant flow (L/S):2

Exhaust flow(m<sup>3</sup>/h):435

Exhaust temperature(°C)675±25

### Alternator:

Model:Engga,EG225L-120N

Frequency and Speed:50hz/1500rpm

Voltage(v):400

Prime Power(kw):110

Power Efficiency:88.40%

Stator winding:2/3

Excitation:brushless

Protection:IP23

Insulation:H

Max.over speed:2160rpm/min

Voltage regulation:±1%

Rated power factor:0.8

### Control System:

DSE, Smartgen, Harsen HK



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**CHP Technical Data:**

Gas Fuel-CHP110VB	Unit	Characters
Emission Standard ( NO x )	mg/m <sup>3</sup>	Euro II
Electrical Power	kW	110
Thermal Power	kW	289
Electrical Efficiency	%	35-40
Thermal Efficiency	%	50-55
Overall Efficiency	%	85-95
Natural gas Consumption	m <sup>3</sup> /kw•h	≤0.3
Engine Oil Consumption	g/kWh	≤1.02

**Remark: it is soften hard water from outside**

Dimensions and Weights:(Open type)

Size:L×W×H(mm),2440×945×1490

Net Weight(kg):1350

Dimensions and Weights:(silent type)

Size:L×W×H(mm),2800X1140X1750

Net Weight(kg):1900

