

Gas generator with CHP system CHP20VB



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

Model CHP20VB

Engine:

Base Engine:4B3.9

Number of cylinders:4

Air intake way: Turbo-charged

Bore x Stroke (mm):102x120

Displacement(L):3.9L

Compression ratio:16.5:1

Engine speed(rpm) :1500

Engine weight(kg):330

Prime Power(kw):20

Standby Power(kw):22

Torque(N·m):465

Low idle(rpm):750±50

Piston speed(m/s):6

Engine coolant flow (L/S):2

Exhaust flow(m³/h):435

Exhaust temperature(°C)675±25

Alternator:

Model:Engga,EG160M-20N

Frequency and Speed:50hz/1500rpm

Voltage(v):400

Prime Power(kw):20

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



National HI-TECH Industrial & Development Zone, Zhengzhou, China
Tel: 0086-371-86525099

www.hamacpower.com

CHP Technical Data:

Gas Fuel-CHP20VB	Unit	Characters
Emission Standard (NO x)	mg/m ³	Euro II
Electrical Power	kW	20
Thermal Power	kW	52
Electrical Efficiency	%	35-40
Thermal Efficiency	%	50-55
Overall Efficiency	%	85-95
Natural gas Consumption	m ³ /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),1700×740×1375
Net Weight(kg):850

Dimensions and Weights:(silent type)
Size:L×W×H(mm),2200X1000X1600
Net Weight(kg):1580

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