



Voltage: 380/220V

Frequency: 50Hz

Power Factor: 0.8

Protection: IP23

Insulation Class: H

ISO9001, ISO14001,

### 120KW Natural Gas Generator

Genset Model		JVCGAS-120
Rated Power(Kw/KVA)		120/150
Rated Current (A)		216
Dimension(mm)	L(mm)	2750
	W(mm)	970
	H(mm)	1650
Gross Weight (kg)		1750
Engine	Model	615 IBW
	Type	Four-stroke, Water-cooling, Direct Injection, 6 cylinder in-line
	Rated Power(Kw/KVA)	144/180 (CH4 no less than 85%)
	Gas Consumption(m³/H)	39,6
	Rated Speed(rpm)	1500
	Cylinder No.	6.L
	Bore*Stroke(mm)	126×130
	Cooling Method	Water-cooled
	Oil Consumption(g/kw.h)	≤1
	Displacement(L)	9,73
	Speed Governing Mode	Electric
	Speed Governing Mode	DC 24V
Alternator	Brand	FARRAND
	Model	FLD120
	Rated Power(Kw/KVA)	120/150
	Efficiency	92,50%
	Voltage Regulation	≤±1
	Voltage Regulation	Brushless, Self Excitation
Control System	Insulation Class	H
	Model	Smartgen HGM6110
	Working Voltage	DC8.0V to DC35.0V, continuous
	Overall Dimensions	197 mm x 152 mm x 47mm
	Panel Cutout	186mm x 141mm
	Working Condition	Temperature: (-25~70)°C; Humidity: (20~90)%
Requirements for Natural gas		<p>0.56kg</p> <p>1.Methane should be at least 95%</p> <p>2.The natural gas temperature should be between 0-60 °C</p> <p>3. No impurity should be in the gas. Water in the gas should be less than 20g/Nm³.</p> <p>4. Heat value should be at least 8500kcal/m³, if less than this value, the power of the engine will be declined.</p> <p>5. Gas pressure should be 3-100KPa, if the pressure is less than 3KPa, booster fan is necessary.</p> <p>6.The gas should be dehydrated and desulfurated. Make sure that there is no liquid in the gas. H2S &lt; 200mg/Nm³</p>