



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 (CH ₄ no less than 85%)
	Gas Consumption(m ³ /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	$\leq \pm 1$
	Voltage Regulation	Brushles, Self Excitation
	Insulation Class	H
Control System	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)%
	Weight	0.56kg
Requirements for Natural gas		1.Methane should be at least 95% 2.The natural gas temperature should be between 0-60 °C 3. No inpurity should be in the gas. Water in the gas should be less than 20g/Nm3. 4. Heat value should be at least 8500kcal/m3, if less than this value, the power of the engine will be declined. 5. Gas pressure should be 3-100KPa, if the pressure is less than 3KPa, booster fan is necessary. 6.The gas should be dehydrated and desulfurated. Make sure that there is no liquid in the gas. H2S<200mg/Nm3