

		Voltage: 380/220V
		Frequency:50Hz
		Power Factor:0.8
		Protection: IP23
		insulation Class: H
		ISO9001, ISO14001, OHSAS18001
150KW Natural Gas Generator		
Genset Model		JVCS-150
Rated Power(Kw/KVA)		150/187.5
Rated Current (A)		270
Dimension(mm)	L(mm)	2760
	W(mm)	980
	H(mm)	1660
Gross Weight (kg)		2040
Engine	Model	618ZLD
	Type	Four-stroke、Water-cooling、Direct Injection、6 cylinder in-line
	Rated Power(Kw/KVA)	180/225 (CH <sub>4</sub> no less than 85%)
	Gas Consumption(m³/H)	49,5
	Rated Speed(rpm)	1500
	Cylinder No.	6.L

Engine	Bore*Stroke(mm)	126×155
	Cooling Method	Water-cooled
	Oil Consumption(g/kw.h)	≤1
	Displacement (L)	11,596
	Speed Governing Mode	Electric
	Speed Governing Mode	DC 24V
Alternator	Brand	FARRAND
	Model	FLD150
	Rated Power(Kw/KVA)	150/187.5
	Efficiency	92,50%
	Voltage Regulation	≅±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 impurity should be in the gas. Water in the gas should be less than 20g/Nm<sup>3</sup>.
4. Heat value should be at least 8500kcal/m<sup>3</sup>, 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. H<sub>2</sub>S < 200mg/Nm<sup>3</sup>