

GAS POWER SOLUTION

		Voltage: 400/230V
		Frequency: 50Hz
		Power Factor: 0.8
		Protection: IP23
		insulation Class: H
		ISO9001, OHSAS18001, ISO14001, CE Certified
12KW Natural gas generator - ISUZU		
Genset Model		JVNF-12
Rated Power (kW/kVA)		12/15
Rated Current (A)		90
Dimension (mm)		1840*790*1430
Gross Weight (kg)		880
Gas engine	Brand	ISUZU
	Model	4JB1
	Configuration	Water-cooled, 4-stroke, 4 cylinder inline
	Rated Power (kW/kVA)	24/30
	Rated Speed (rpm)	1500
	Cylinder No.	L4
	Bore*Stroke (mm)	93x102
	Cooling Method	Water cooling
	Oil Consumption (g/kw.h)	<1
	Gas Consumption (m³/kW.h)	0.3
	Starting method	12V DC
Alternator	Brand	STAMFORD
	Model	FLD164D
	Rated Power (kW/kVA)	12/15
	Efficiency	92.50%
	Voltage Regulation	±1
	Voltage Regulation	Brushles, Self Excitation
	Insulation Class	H
Control System	Brand	DEEPSEA
	Model	DSE6020
	Working Voltage	DC8.0V to DC35.0V, continuous
	Overall Dimensions (mm)	197*152*47
	Panel Cutout (mm)	186*141
	Working Condition	Temperature: (-25~70)°C; Humidity: (20~90)%
	Weight	0.56kg
Gas system	Ignition system	ECU controlled,
	Gas regulator	MADAS
	Air/gas mixer	IMPCO
	E-throttle	BOSCH
	High voltage coil	TORCH
	Ignition sparkle	BOSCH
Requirements for natural gas		1. Methane should be at least 90% 2. 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/Nm³ . 4. Heat value should be at least 5500kcal/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 will be necessary. 6. The gas should be dehydrated and desulfurated. Make sure that there is no liquid in the gas. H2S<200mg/Nm³



CHP heat recovery from water jacket, exhaust plus heat exchanger

* All images are for customers reference only