埃特斯動力設備有限公司
ETTES POWER MACHINERY CO., LTD.

Ettes Power Gas Generating Set can be driven by world famous gas engines of Cummins, Perkins, MAN, MWM-Deutz, JDEC 190 and Zibo 300 series, coupled with Stamford, Leroy Somer or Siemens alternators, power ranging from 20kva upto 4000kva. The applicable fuel can be methane base gases such as natural gas, biogas, marsh gas, coal-bed gas, coal mine gas, shale gas, landfill gas and low BTU gas such as biomass/syngas, coal gas, coking oven gas etc. By assimilating gas generation and control technologies of Ignitions System, Governor System from YSD, WOODWARD, MOTORTECH, HEINZMANN, ALTRONIC, IMPCO, STITT, our gas generator set can work at reliable performance, easy for maintenance, much longer life-span and very economic in price. Furthermore, special requirements for CHP System (combined heat and power), ATS, Soundproof Canopy, Parallel & Synchronization panel are optional. Ettes Power gas generator set enjoy hot ready markets in domestic markets and overseas markets including South Africa, South America, Europe, Middle East and Southeast Asia countries etc.

Main Technical Data of 63KVA Cummins Biogas Generator		
Gas Genset	Genset Model	**EC-63B**
	Rated Power (kW/kVA)	50/63
	Rated Current (A)	90
	Sound Level	With Silencer 82db @ 1m, With soundproof canopy 70db @ 1m
Gas Engine	Gas Engine Manufacture	CUMMINS
	Gas Engine Model	6BTAA5.9-G
	Cooling Type	Water Cooled by Radiator
	Rated Speed (r/min)	1500 (50hz) / 1800 (60hz)
	Starting Method	24VDC Electrical
	Fuel	Biogas, Landfill Gas, Sewage Gas and other methane gas etc.
	Bore× Stock (mm)	102*120
	Displacement (L)	5.9
	Compression Ratio	10:1
	Cylinder numbers and Type	6 in Line
	Ignition System	AFS from Canada or Equal
	Governing System/Actuator	Woodward from USA, Heinzmann or Motortech from Germany or Equal
	Gas Train	Manual cut-off valve
		1~10kPa pressure gauge
		Gas filter
		Safety Solenoid valve
		Zero pressure regulator
		Flame arrestor (optional)
	Ignition Type	Spark Plug Ignition
	Biogas Filter	KromSchroeder from Germany or Equal
	Intake Gas Pressure Required (kPa)	2~8kPa
	Gas Consumption (m^3/kw.h)	0.5-0.6
	Oil Consumption (g/kw.h)	≤0.5 (oil grade SAE 40)
Alternator	Alternator Brand	Leroy Somer or Marathon or Equal
	Alternator Model	LSA Series
	Frequency (HZ)	50/60
	Rated Voltage (V)	400/230, 480/240 (other voltages are available)
	Excitation Method	Self-excited, Brushless, AVR
	Phase/Connection	3 Phase 4 Wire, Y-connection
	Power Factor（COS ¢）	0.8
	Protection Level/Insulation Class	IP23/H
Control System	The standard control panel is with functions including manual keys, emergency stop, necessary alarms, inerlocks, protections and monitors. Showing Genset running parameters in LCD Display by Deepsea or Smart-gen Controller.	
Options	PMG System (for the alternator)	
	Steel Soundproof Canopy/Container	
	Oil and Water Heater	
	Auto Oil Supply System (additional oil tank)	
	Heat Recovery from Exhaust gas and Jacket water	
	ATS System, Synchronization Parallel Panel, Remote PC Monitor	
	Remote Radiator	
Dimension (for Open Genset, mm)	2280*1050*1500	
Weight (for Open Genset, KG)	1400	