埃特斯动力设备有限公司
Ettes Power Machinery Company Limited

Ettes Power Gas Generating Set can be powered by world famous gas engines of Cummins, Perkins, Man, MWM-Deutz, JDEC 190 and CSR 240/280 series, coupled with Stamford, Leroy Somer or Siemens alternators, power ranging from 20kva upto 4000kva. The applicable **fuel can be natural gas, biogas, biomass/syngas, coal gas, marsh gas and shales gas etc. By assimilating gas engine concerning** technologies of Mixer, Ignitions System, Governor System from 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 based on wonderful quality. Furthermore, special requirements for CHP System (combined heat and power), ATS, Soundproof Canopy, Parallel & Synchronization Control panel can be satisfied. Ettes Power natural 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 Methane Gas Generator EJ-750N		
Gas Gen Set	Genset Model	EJ-750N
	Rated Power (kw/kva)	600/750
	Suggested Continuous Power of working 24 hours per day (kw)	500-550
	Manufacturer	ETTES POWER
Gas Engine	Gas Engine Manufacture	CNPC JICHAI ENGINE CO LTD
	Gas Engine Model	G12V190ZLDT
	Type	Turbocharger and after cooler, A/F controller, Spark ignition, electronic control, outer mixing, Combine/Mix before Turbocharging
	Cooling Method	by Heat Exchanger + Cooling Tower (Radiator is optional)
	Starting Method	24VDC Electrical
	Fuel	Natural Gas, Biogas or other Methane Based Gas
	Bore × Stroke (mm)	190×210
	Displacement (L)	71.5
	Compression Ratio	10:1
	Average Speed of Piston (m/s)	10.5
	Cylinder numbers and Type	12. Vee,60° included angle
	Ignition Type	Spark Plug Ignition
	Intake Gas Pressure Required (kPa)	10-400
	Rated Speed (r/min)	1500 (50HZ)/1800(60HZ)
	Direction of Rotation	Counter-clockwise
	Oil Consumption (g/kw.h)	≤1
	Heat Consumption(kJ/kw.h)	≤9800
	Natural Gas Consumption (m3/kw.h)	0.25-0.3
	Idle Speed (RPM)	700
	Exhaust Gas Temperature	≤650 °C
	Heavy Overhauling Time	Around 30000 hours
Alternator	Alternator Brand	Siemens or Equal
	Alternator Model	1FC6 Series
	Frequency (HZ)	50/60
	Rated Voltage (V)	400/230(50HZ), 480/240(60HZ) Other Special Voltages are available
	Power Factor (Cosφ)	0.8
	Excitation Method	Self-excited, Brushless
	Voltage Regulation	AVR
Main Parts and Control System	Governor System/Actuator (Woodward or HEINZMANN or Equal)	
	Ignition System (Motortech or Altronic or Equal)	
	Spark Plugs (Motortech, Altronic,STITT or Equal)	
	Mixer (Impco from USA or Equal)	
	Standard Control System: with functions including manual keys, alarms, protections, auto start and shut down, showing running parameters in LCD Display. Auto parallel control(optional), Auto Synchronization system (optional), Remote PC Monitor (optional)	
	Engine Tools Box and User Books	
Size and Weight	Net Weight (KG)	12800
	Dimension (L×W×H, cm)	526×204×250 (Open Type without Radiator)

Main Electronic Performance Data							
Voltage				Frequency			
Stabilized Regulation	Instantaneous regulation	Recovery Time	Fluctuation	Stabilized Regulation	Instantaneous regulation	Recovery Time	Fluctuation
±2.5%	0.05	2s	0.50%	0-5% adjustable	±10%	<7s	0.5%

Complete Solutions for Diesel & Gas Generating Stations
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