



Ettes Power is one of biggest generator set packagers and assemblers in China. Ettes Power Gas Generator 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 5600kva. The applicable fuel can be methane base gases such as natural gas, biogas, marsh gas, coalbed 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 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 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 Methane Gas Generator EJ-400NB							
Gas Gen-Set	Genset Model		EJ-400NB				
	Rated Power (kw/kva)		320/400				
	Manufacturer/Assembler		ETTES POWER				
 <p>Gas Engine</p>	Gas Engine Manufacture		CNPC JICHAO ENGINE CO LTD				
	Gas Engine Model		G8V190ZLDT				
	Engine Rated Power (kw/hp)		350/476				
	Applicable Fuel		Methane Base Gas: Natural Gas, Biogas, Oilfield Gas, Landfill Gas, Sewage Gas, Coalmine Bed Gas and Shale Gas etc.				
	Type		Four Stroke, Spark Ignition, Turbocharger and after-cooled, Outer Mixing				
	Cooling Way		Forced Water Cooling				
	Cooling Method		Standard: Open Cooling System by Heat Exchanger + Cooling Tower Optional: Closed Water Cooling by Fan Radiator				
	Starting Method		24VDC Electrical				
	Bore × Stroke (mm)		190×210				
	Displacement (L)		47.6				
	Compression Ratio		10:1				
	Average Speed of Piston (m/s)		7.17				
	Cylinder numbers and Type		8.Vee, 60° Angle				
	Governor/Actuator		Woodward or HEINZMANN				
	Ignition System:		Motortech or Altronic				
	Spark Plugs:		Motortech, Altronic, STITT or equal				
	Air-Fuel Control		EGS Automatic A/F Control				
	Mixer:		IMPCO or equal				
	Rated Speed (r/min)		1000 (50HZ)/1200(60HZ)				
	Idle Speed (RPM)		700				
	Direction of Rotation		Counter-clockwise				
	Oil Consumption (g/kw.h)		≤0.8				
	Lube Oil Capacity (L)		180				
Heat Consumption(kj/kw.h)		≤9800					
Exhaust Gas Temperature		≤630°C					
Intake Gas Pressure Required (kPa)		100~400					
Noise Level (Db)		≤110 (without silencer and soundproof container)					
 <p>Alternator</p>	Alternator Brand		Siemens or Equal				
	Alternator Model		1FC6 Series				
	Type		Double Bearings				
	Frequency (HZ)		50/60				
	Rated Voltage (V)		400/230(50HZ), 480/240(60HZ) Other Special Voltages are available				
	Power Factor (Cosφ)		0.8				
	Type		Insulation Class IP22/IP23, Protection Class H				
	Excitation Method		Self-excited, Brushless				
Voltage Regulation		AVR					
Control System	Standard Control System: advanced SIVAC control panel by Siemens Technology, adopting control module of ComAp Intelilite or Deepsea DSE Series, with functions including manual keys, alarms, protections, auto start and shut down, showing running parameters in LCD Display. Engine SCADA System, Communications protocol RS485						
	Options: Auto parallel synchronization control panel, Remote control system etc.						
Size and Weight	Net Weight (KG)		9600				
	Dimension (L×W×H, mm)		4570×2040×2200 (based on open cooling system)				
Main Electronic Performance Data							
Voltage				Frequency			
Stabilized Regulation	Instantaneous regulation	Recovery Time	Fluctuation	Stabilized Regulation	Instantaneous regulation	Recovery Time	Fluctuation
≤ ±2%	≤ ±5%	1s	≤ 0.5%	≤ 0.5%	≤ ±10%	<5s	≤ 0.5%

★ The data herein can vary depending on individual production requirements or due to improved technology.

