

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





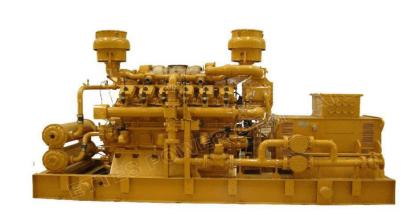


Ettes Power is one of biggest generator set packagers and assemblers in China. Ettes Power Gas Generator Set can be driven by world famous gas engines of Cummins, Perkins, Man, MWM-Deutz, IDEC 190 and Zibo 300 series, coupled with Stamford, Leroy Somer or Siemens alternators, power ranging from 20kva 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.



	Mair	. Tech	nical Data of	Natural G	as Generator E		100	
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Gas Gen-Se	•		Genset Mode			EJ-500N		
Gas Gen-Se	ι	Rated Power (kw/kva)				400/500		
		Manufacturer/Assembler			ETTES POWER			
		Gas Engine Manufacture			CNPC JICHAI ENGINE CO LTD			
		Gas Engine Model			12V190DT			
		Engine Rated Power (kw/hp)			450/612			
		Applicable Fuel			Natural Gas (PNG, CNG, LNG), Oilfield Gas, Marsh Gas, Coalmine Bed Gas and Shale Gas etc.			
		Туре			Four Stroke, Spark Ignition, Naturally Aspirated, 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			
JDEC		Displacement (L)			71.5			
		Compression Ratio			9:1			
		Average Speed of Piston (m/s)			7.17			
Gas Engine		Cylinder numbers and Type			12.Vee, 60° Angle			
		,			Woodward or HEINZMANN			
		Governor/Actuator						
		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)		200				
		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)			
SIEMENS		Alternator Brand			Siemens or Equal			
		Alternator Model			1FC6 Series			
		Туре			Double Bearings			
		Frequency (HZ)		50/60				
Alternator		Rated Voltage (V)			400/230(50HZ), 480/240(60HZ) Other Special Voltages are available			
		Power Factor (Cosφ)			0.8			
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		Type		Insulation Class IP22/IP23, Protection Class H				
		Excitation Method		Self-excited, Brushless				
			Voltage Regula		AVR			
		Stand	ard Control Syste	m: advanced S	IVAC control panel l	by Siemens Tech	nology, ado _l	oting control
		module of ComAp Intelilite or Deepsea DSE Series, with functions including manual keys, alarms,						
Control Create	protections, auto start and shut down, showing running parameters in LCD Display.							
Control System								
		Engine SCADA System, Communications protocol RS485						
		Optio	ns: Auto parallel sy	nchronization	control panel, Remo	ote control syster	n etc.	
Size and Weight		Net Weight (KG)			11300			
		Dimension (L×W×H, mm)			4566×2100×2200 (based on open cooling system)			
		1	Main Elect	tronic Performa	ance Data			
Voltage					Frequency			
Stabilized Regulation	Instanta	aneous	Recovery Time	Fluctuation	Stabilized	Instantaneous	Recovery	Fluctuation
≤ ±2%	regula ≤ ±		1s	≤ 0.5%	Regulation ≤ 0.5%	regulation ≤ ±10%	Time <5s	≤ 0.5%
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[★] The data herein can vary depending on individual production requirements or due to improved technology.







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