

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.

Technical Data of MWM-DEUTZ Methane Gas Generator EM-438N

Gas Gen Set	Genset Model	EM-438N					
	Rated Power (kw/kva)	350/438					
	Suggested Continuous Power of working 24 hours per day (kw)	280-310					
	Manufacturer	ETTES POWER					
 Gas Engine	Gas Engine Manufacture	HND-MWM DEUTZ					
	Gas Engine Model	TBD620L6					
	Type	Four Stroke					
	Cylinder numbers and Type	6. in Line					
	Borex Stroke (mm)	170x195					
	Displacement (L)	26.6					
	Compression Ratio	10:1					
	Rated Speed (r/min)	1500 (50HZ)/1800(60HZ)					
	Direction of Rotation	Counter-clockwise					
	Cooling Method	by Heat Exchanger+Cooling Tower (Radiator is optional)					
	Starting Method	24VDC Electrical					
	Ignition Type	Spark Plug Ignition					
	Fuel	Natural Gas, Biogas or other Methane Based Gas					
	Intake Gas Pressure Required (kPa)	10-400					
	Oil Consumption (g/kw.h)	≤0.6					
	Heat Consumption(kJ/kw.h)	≤9500					
	Natural Gas Consumption (m3/kw.h)	0.25-0.3					
	Exhaust Gas Temperature	≤650°C					
	Heavy Overhauling Time	Around 30000-50000 hours					
	SIEMENS Alternator	Alternator Brand	Siemens, Leroy Somer 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 (HEINZMANN or Altronic or Equal)						
	Spark Plugs (HEINZMANN , Altronic 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)	5680					
	Dimension (LxWxH, cm)	453x151x216 (Open Type)					
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%

