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-62SN

#### Gas Gen Set
- Genset Model: EM-62SN
- Rated Power (kw/kva): 500/625
- Suggested Continuous Power of working 24 hours per day (kw): 400-450
- Manufacturer: ETTES POWER

#### Gas Engine
- Gas Engine Manufacture: HND-MWM DEUTZ
- Gas Engine Model: TBD620 V8
- Type: Four Stroke
- Cylinder numbers and Type: 8 in Vee
- Bore× Stroke (mm): 170×195
- Displacement (L): 35.4
- Compression Ratio: 9.8:1
- 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 Electric
- 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): ≤500
- Natural Gas Consumption (m3/kw.h): 0.25-0.3
- Exhaust Gas Temperature: ≤650°C
- Heavy Overhauling Time: Around 30000-50000 hours
- 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

#### Alternate
- 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 - 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
- Net Weight (KG): 8800
- Dimension (L×W×H, cm): 406×151×241 (Open Type)

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