

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, marsh gas and shale 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 Tech Data of PERKINS Methane Gas Generator Set EP- 469NB							
Gas Gen Set	Genset Model			EP-469NB			
	Rated Power (kw/kva)			375/469			
	Continuous Power (24 hours working per day)			375 kW			
	Manufacturer			ETTES POWER			
 Gas Engine 	Gas Engine Manufacture			PERKINS Engines Co Ltd (UK)			
	Gas Engine Model			4006-23TRS2			
	Gross Engine Power (kW/hp)			393/534			
	Electrical Efficiency			38.4%			
	Cycle			Four Stroke,			
	Cylinder numbers and Type			6. in Line			
	Induction System			Turbocharged and air-to-water charge cooled			
	Combustion System			Spark Ignited			
	Governing			PANDAROS Digital Gas Governor(adjustable to standard of ISO8528-5 class G2)			
	Engine Knocking Control			Digital Detector for Engine Detonation, One Detector for Each Cylinder			
	Air-Fuel Ratio			Ultra-Lean Burn 1.7			
	Starting Method			24VDC Electrical			
	Cooling System			Water Cooled by Heat Exchanger or Radiator (optional)			
	Borex Stock (mm)			160x190			
	Displacement (L)			22.92			
	Compression Ratio			12:1			
	Direction of Rotation			Anti-clockwise viewed on flywheel			
	Total Lubricant Capacity (L)			122.7			
	Total Coolant Capacity (L)			36			
	Fuel			Natural Gas, Biogas, Coal Gas, Landfill gas and other Methane based gases			
	Fuel Consumption (kJ/kW)			2.5			
	Intake Gas Pressure Required (kPa)			TBA			
Rotation Speed (r/min)			1500 (50HZ)				
Oil Consumption (g/kw.h)			≤0.2				
Emission NOX (mg/N m3)			≤500				
Emission CO (mg/N m3)			≤800				
Overhaul Time (hours)			Around 60000				
 Alternator	Alternator Brand			Siemens, Leroy Somer or Equal			
	Alternator Model			LSA Series or 1FC Series			
	Frequency (HZ)			50			
	Rated Voltage (V)			400/230 (other Voltages is available)			
	Power Factor (Cosφ)			0.8			
	Excitation Method			Self-excited, Brushless			
	Voltage Regulation			AVR			
Size and Weight	Net Weight (KG)			6056			
	Dimension (LxWxH, mm)			4646*1992*2189			
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	0.5%	0-5% adjustable	±10%	<7s	0.5%

