


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- 625NB

Gas Gen Set	Genset Model	EP-625NB					
	Rated Power (kw/kva)	500/625					
	Continuous Power (24×7 hours working)	500 kW					
	Manufacturer	ETTES POWER					
 Gas Engine 	Gas Engine Manufacture	PERKINS Engines Co Ltd (UK)					
	Gas Engine Model	4008-30TRS2					
	Gross Engine Power (kW/hp)	526/715					
	Electrical Efficiency	38.5%					
	Cycle	Four Stroke,					
	Cylinder numbers and Type	8. 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)	160×190					
	Displacement (L)	30.56					
	Compression Ratio	12:1					
	Direction of Rotation	Anti-clockwise viewed on flywheel					
	Total Lubricant Capacity (L)	165.6					
	Total Coolant Capacity (L)	48					
	Fuel	Natural Gas, Biogas, Coal Gas, Landfill gas and other Methane based gases					
	Fuel Consumption (kJ/kW)	2.5					
	Exhaust Gas Temperature (°C)	478					
	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 64000					
Heat Recovery from Jacket Water and Oil (kWt)	211 (16.3%)						
Heat Recovery from Exhaust Gas (kWt)	398 (30.6%)						
Total Thermal Efficiency	46.9%						
Total CHP Efficiency	85.35%						
 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)	7485					
	Dimension (LxWxH, mm)	5540*1992*2283					
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%

