

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.

### Main Tech Data of Perkins Gas Generator Set EP-531N(B)

Gas Gen Set		Genset Model	EP-531NB
		Rated Power (kw/kva)	425/531
		Rated Current (A)	765
		Manufacturer	ETTES POWER
 <p><b>Perkins</b></p> <p><b>Gas Engine</b></p> 	Gas Engine Manufacture	PERKINS Engines Co Ltd (UK)	
	Gas Engine Model	4008-30TRS1	
	Gross Engine Power (kW/hp)	447/599	
	Electrical Efficiency	<b>37.9%</b>	
	Cycle	Four Stroke,	
	Induction System	Turbocharged and air-to-water charge cooled	
	Combustion System	Spark Ignited	
	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	
	Cylinder numbers and Type	8. Vertical In Line	
	Intake Gas Pressure Required (kPa)	TBA	
	Rotation Speed (r/min)	1500 (50HZ)	
Oil Consumption (g/kw.h)	≤0.3		
 <p><b>LERROY SOMER</b></p> <p><b>Alternator</b></p>	Alternator Brand	Leroy Somer or Equal	
	Alternator Model	LSA 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	
<p><b>Size and Weight</b></p>	Net Weight (KG)	7000	
	Dimension (LxWxH, mm)	5150×1652×2646	
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%

