
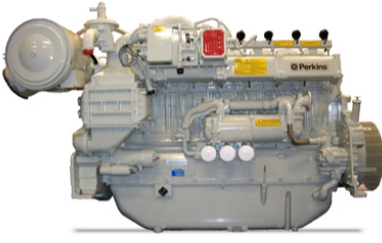



Ettes Power Gas Generating Set can be powered by world famous gas engines of Cummins, Perkins, Man, MWM-Deutz, JDEC 190 and CSR 240/280 series, coupled with Stamford, Leroy Somer or Siemens alternators, power ranging from 20kva upto 4000kva. The applicable fuel can be natural gas, biogas, marsh gas and 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- 531NB							
Gas Gen Set	Genset Model		EP-531NB				
	Rated Power (kw/kva)		425/531				
	Continuous Power (24 hours working per day)		425 kW				
	Manufacturer		ETTES POWER				
 Gas Engine 	Gas Engine Manufacture		PERKINS Engines Co Ltd (UK)				
	Gas Engine Model		4008-30TRS1				
	Gross Engine Power (kW/hp)		447/608				
	Electrical Efficiency		37.9%				
	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		Ultero-Lean Burn 1.7				
	Starting Method		24VDC Electrical				
	Cooling System		Water Cooled by Heat Exchanger or Radiator (optional)				
	Borex Stock (mm)		160x190				
	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)		2.55				
	Exhaust Gas Temperature (°C)		487				
	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)		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%

