

Complete Power Generating System Solutions



Ettes Power is one of the leading generator-set assemblers and suppliers in China. Ettes gas genset can be driven by world top engines of Cummins, Lovol, MAN, MWM-Deutz, CNPC 190 and Low Speed 300 series, coupled with Stamford, Leroy Somer or Siemens alternators, ranging from 20kW upto 4500kW. The applicable fuel can be methane base gases such as natural gas, biogas, marsh gas, coalbed gas, coal mine gas, shale gas, landfill gas and low BTU gas such as biomass/syngas, coking oven gas etc. By assimilating advanced gas engine control technology from Europe, Ettes gas genset can work at reliable performance, easy for maintenance and longer life-span. Furthermore, special requirements for CHP System, ATS, Soundproof Container, Parallel & Synchronization are available. Ettes Power gas generators enjoy hot ready markets in more than 70 countries all over the world including regions of Latin America, Europe, Middle East, Africa and Southeast Asia etc.



Main Technical Data of Cummins Natural Gas Generators (30kW~120kW)

Genset	Genset Model	EC-30-N	EC-40-N	EC-60-N	EC-80-N	EC-100-N	EC-120-N
	Rated Power (kW/kVA)	30/38	40/50	60/75	80/100	100/125	120/150
	Rated Current (A)	54	72	108	144	180	216
	Manufacturer	ETTES POWER					
Gas Engine	Main Engine-Body Make	CUMMINS					
	Gas Engine Model	E-4BT3.9G	E-4BTAA3.9G	E-6BTA5.9G	E-6BTAA5.9G	E-6CTAA8.3G	E-6CTAA8.3G
	Cylinder numbers and Type	4 in Line	4 in Line	6 in Line	6 in Line	6 in Line	6 in Line
	Displacement (L)	3.9	3.9	5.9	5.9	8.3	8.3
	Bore× Stock (mm)	102*120	102*120	102*120	102*120	114*135	114*135
	Type	Four Stroke, Water Cooling, Spare Ignition, 24V DC Starting					
	Air Intake Way	Turbocharged					
	Rated Speed (r/min)	1500 (50Hz)/1800(60Hz)					
	Compression Ratio	11:1					
	Gas Train	Ball Valve, Solenoid Valve, Pressure Regulator Valve and Gas Filter etc.					
	Fuel	Natural Gas including PNG, CNG, LNG, Oilfield Gas, Coalmine Gas, Shale Gas etc.					
	Intake Gas Pressure (kPa)	5~15					
	Gas Consumption (m ³ /kW.h)	≤0.3					
	Oil Consumption (g/kW.h)	≤0.5					
Alternator	Frequency (Hz)	50/60					
	Rated Voltage (V)	400/230(50Hz), 480/270(60Hz)					
	Excitation Method	Self-excited, Brushless, AVR					
	Phase/Connection	3 Phase 4 Wire, Y-connection, 0.8 Power Factor (Cosφ)					
	Protection Level/Insulation Class	IP23/H					
Control System	The standard control panel is with functions including manual keys, alarms, protections, auto start and shut down, showing running parameters in LCD Display by Deepsea or Smartgen Controller. Auto parallel control(optional), Auto Synchronization system (optional), Remote PC Monitor (optional)						
Options	Soundproof Container, ATS, Parallel & Synchronization Control, CHP (Heat Recovery System), Biogas Pre-treatment Machinery						
Dimension (for Open Genset, mm)	1850*900*	1850*900*	2250*1050*	2250*1050*	2400*1150*	2400*1150*	
Weight (KG)	800	900	1100	1100	1800	1800	

Remarks:

- ◆ Both 50Hz and 60Hz are available.
- ◆ Special voltages are available.
- ◆ Special requirements for Soundproof Container, ATS, Parallel & Synchronization Control, CHP and Biogas Pre-treatment Machinery are optional
- ◆ The data herein can vary depending on individual production requirements or due to improved technology.



Main Technical Data of Cummins Natural Gas Generators (160kW~300kW)

Genset	Genset Model	EC-160-N	EC-180-N	EC-200-N	EC-250-N	EC-280-N	EC-300-N
	Rated Power (kW/kVA)	160/200	180/225	200/250	250/313	280/350	300/375
	Rated Current (A)	288	324	360	450	504	540
	Manufacturer	ETTES POWER					
Gas Engine	Main Engine-Body Make	CUMMINS					
	Gas Engine Model	E-NTAA855G	E-NTAA855G	E-NTAA855G	E-KTAA19G	E-KTAA19G	E-KTAA19G
	Cylinder numbers and Type	6 in Line	6 in Line	6 in Line	6 in Line	6 in Line	6 in Line
	Displacement (L)	14	14	14	19	19	19
	Bore× Stock (mm)	140*152	140*152	140*152	159*159	159*159	159*159
	Type	Four Stroke, Water Cooling, Spark Ignition, 24V DC Starting					
	Air Intake Way	Turbocharged					
	Rated Speed (r/min)	1500 (50Hz)/1800(60Hz)					
	Compression Ratio	11:1					
	Gas Train	Ball Valve, Solenoid Valve, Pressure Regulator Valve and Gas Filter etc.					
	Fuel	Natural Gas including PNG, CNG, LNG, Oilfield Gas, Coalmine Gas, Shale Gas etc.					
	Intake Gas Pressure (kPa)	5~15					
	Gas Consumption (m ³ /kW.h)	≤0.3					
	Oil Consumption (g/kW.h)	≤0.5					
Alternator	Frequency (Hz)	50/60					
	Rated Voltage (V)	400/230(50Hz), 480/240(60Hz)					
	Excitation Method	Self-excited, Brushless, AVR					
	Phase/Connection	3 Phase 4 Wire, Y-connection, 0.8 Power Factor (Cosφ)					
	Protection Level/Insulation Class	IP23/H					
Control System	<p>The standard control panel is with functions including manual keys, alarms, protections, auto start and shut down, showing running parameters in LCD Display by Deepsea or Smartgen Controller.</p> <p>Auto parallel control(optional), Auto Synchronization system (optional), Remote PC Monitor (optional)</p>						
Options	Soundproof Container, ATS, Parallel & Synchronization Control, CHP (Heat Recovery System), Biogas Pre-treatment Machinery						
Dimension (for Open Genset, mm)	3000*1100* 1750	3000*1100* 1750	3000*1100* 1750	3800*1550* 2060	3800*1550* 2060	3800*1550* 2060	3800*1550* 2060
Weight (KG)	2200	2200	2200	3850	3850	3850	3850

Remarks:

- ◆ Both 50Hz and 60Hz are available,
- ◆ Special voltages are available.
- ◆ Special requirements for Soundproof Container, ATS, Parallel & Synchronization Control, CHP and Biogas Pre-treatment Machinery are optional
- ◆ The data herein can vary depending on individual production requirements or due to improved technology.



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