

MODEL	EC-1250-50HZ
Standby Power (50Hz)	1000KW /1250KVA
Prime Power (50Hz)	N/A

Standard Features

General Features:

- Engine (CCEC Cummins KTA38-G9)
- Radiator 40°C max, fans are driven by belt, with safety guard
- 24V charge alternator
- Alternator (Stamford, Kaijieli, Leroy Somer, Megaton or Equivalent) , single bearing alternator IP22/IP23,insulation class H/H
- Absorber
- Dry type air filter, fuel filter, oil filter, coolant filter
- Main line circuit breaker
- Standard control panel
- 12V batteries, rack and cable
- Ripple flex exhaust pipe, exhaust siphone, flange, muffler
- User manual



Generator Ratings

Voltage	HZ	Phase	P.F (COS ϕ)	Standby Amps	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
440/254	50	3	0.8	1640	1000/1250	N/A
415/240	50	3	0.8	1739	1000/1250	N/A
400/230	50	3	0.8	1804	1000/1250	N/A
380/220	50	3	0.8	1899	1000/1250	N/A

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97 (eqvISO8528) ; A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

Standby Power Rating (ESP): The standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

Sales Promises

Ettes Power provides a full line of brand new and high quality products. Each and every unit is strictly factory tested. Warranty is according to our standard conditions: 12 months or 1,500 running hours, subject to the earlier one. And what's more, Cummins gensets enjoy world-wide united Warranty from Cummins engine agency or service centre at the client's local side.



Diesel Generating Set



ENGINE DATA

Manufacturer / Model:	CCEC Cummins KTA38-G9, 4-cycle
Air Intake System:	Turbo, Air/Air cooling
Fuel System:	PT(G), EFC
Cylinder Arrangement:	12 V
Displacement:	37.8 L
Bore and Stroke:	159×159 (mm)
Compression Ratio:	13.9:1
Rated RPM:	1500rpm
Max. Standby Power at Rated RPM:	1090KW/1461BHP
Governor Type:	Electronic
Frequency Regulation, Steady State:	≤1.5%

Exhaust System

Exhaust Gas Flow:	3529L/s
Exhaust Temperature:	529°C
Max Back Pressure:	10.0kPa

Air Intake System

Max Intake Restriction:	6.23kPa
Consumption:	1309L/s
Intake Flow:	30425L/s

Fuel System

100%(Standby Power) Load:	206g/kw.h
---------------------------	-----------

Oil System

Total Oil Capacity:	135L
Oil Consumption:	≤4 g/kw.h
Engine Oil Tank Capacity:	114L
Oil Pressure at Rated RPM:	310-448kPa

Cooling System

Total Coolant Capacity:	336L
Thermostat:	82-93°C
Max Water Temperature:	104°C



Diesel Generating Set



ALTERNATOR SPECIFICATION

GENERAL DATA

Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359 standards.

Alternator Data

Manufacturer / Type:	Stamford, Kaijieli, Leroy Somer, Megaton or Equivalent
Number of Phase:	3
Connecting Type:	3 Phase and 4 Wires, "Y" type connecting
Number of Bearing:	1
Power Factor:	0.8
Protection Grade:	IP22/IP23
Altitude:	≤1000m
Exciter Type:	Brushless, self-exciting
Insulation Class, Temperature Rise:	H/H
Telephone Influence Factor (TIF):	< 50
THF:	< 2%
Voltage Regulation, Steady State:	±1%
Alternator Capacity:	1260KVA
Alternator Efficiencies:	94.8%
Air Cooling Flow:	2.69m ³ /s

GENERATING SET DATA

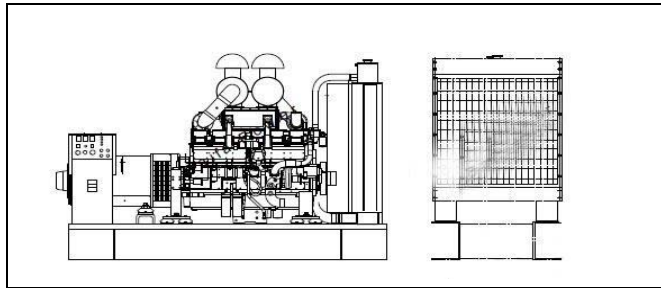
Voltage Regulation:	±5%
Voltage Regulation, Stead State:	±1%
Sudden Voltage Warp (100% Sudden Reduce):	≤+25%
Sudden Voltage Warp (Sudden Increase):	≤-20%
Voltage Stable Time (100% Sudden Reduce):	≤6S
Voltage Stable Time (Sudden Increase)	≤6S
Frequency Reduce:	≤5% Adjustable
Frequency Regulation, Stead State:	≤1.5%
Frequency Waving:	≤0.5%
Sudden Frequency Warp (100% Sudden Reduce):	≤+12%
Sudden Frequency Warp (Sudden Increase):	≤-10%
Frequency Recovery Time (100% Sudden Reduce):	≤5S
Frequency Recovery Time (Sudden Increase):	≤5S
Noise Level:	TBA
Emission Level:	TBA

Options

Engine	Fuel System	Control System
<ul style="list-style-type: none"> ● Heater 	<ul style="list-style-type: none"> ● Daily Fuel Tank ● Water Separator 	<ul style="list-style-type: none"> ● Remote Control Panel ● Auto Transfer Switch (ATS) Control Panel ● Paralleling System ● Electricity Output Cabinet

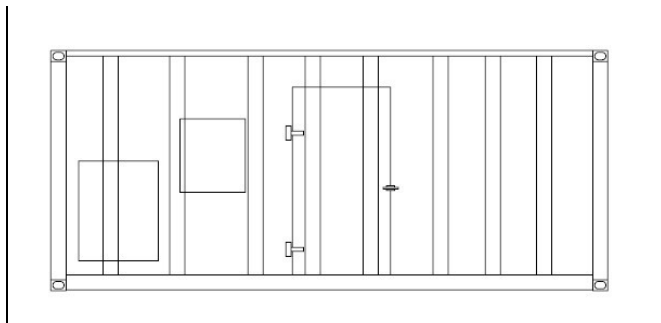
Alternator	Others	Data
<ul style="list-style-type: none"> ● Anti Condensation Heater ● Permanent Magnet Generator (PMG) ● Drop CT (For Paralleling) 	<ul style="list-style-type: none"> ● Rainproof Type ● Soundproof Type ● Trailer Type 	<ul style="list-style-type: none"> ● Engine Parts Drawing List ● Spare Parts

Dimension & Weight



Standard (Open Type) Without Base Fuel Tank

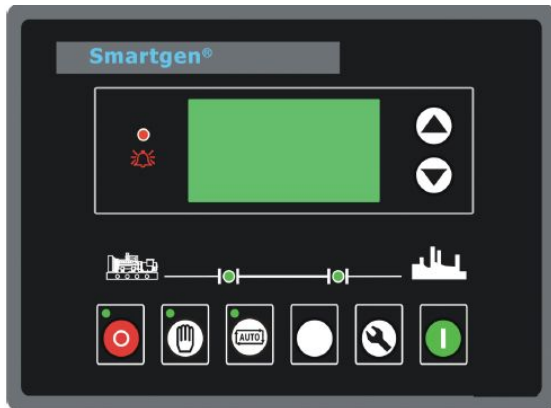
Overall Size: 5000 (mm) × 2200 (mm) × 2400 (mm)
Weight: 7500kg



Soundproof Type (20" Container)

Overall Size: 20 feet container
6058 (mm) × 2438 (mm) × 2591 (mm)
Weight: 13000kg

Standard Control Panel



Standard Control Panel is the basic configuration for normal operation and usage, adopting deepsea 501K or Automatic Smart-gen 6120 controller (LCD Display) . It is of some advantages such as easy to operate, various function and well protection. Operative buttons such as Turn On, Per-heat, Starting, Stop (Emergency Stop) on the panel. While malfunction occurs, control panel will stop the generator and also alarm with light or buzz.

Auto Module Control Panel



Automatic Control Panel is the basic configuration for nobody on duty controlling generators. This kind of panel can accept the remote start/stop signals. (Controlled by ATS)

Features: adopted Czech Comap Brand auto control system, with large LCD display in English (or Chinese) to show the menu. With Auto Control Panel, generator are of various functions such as auto/manual stop (emergency stop), programmable plugs for input and output, detected data, symbols, diagram will show in the LCD, etc.

Auto Remote Control Panel



Automatic Remote Control Panel is based on the Auto Control Panel and add the standard communication plugs: RS-232 (Modbus Communication Agreement). With Auto Remote Control Panel, it can realize remote control, remote detective, remote report by user using communicative net or center inspect and control system.