



# POWER YOUR FUTURE

## Evopower Generators

- Cummins diesel engines
- UK Specification
- Deepsea control panels
- Varta batteries
- CHiNT Breakers
- Rust proofed weather proof canopies
- Heavy duty base skids with forklift & lifting eyes
- 2 years Engine warranty\*
- 3 years Genpower alternator warranty\*
- 3 years interest free credit available\*



Evopower Series – Powered By Cummins

## Technical Data: Model UKC55ECO

### Evopower Generator

Prime Power	50kVA
Standby Power	55kVA
Voltage Line To Line	400V
Current Per Phase (Prime)	72A
Current Per Phase (Standby)	79A
Sound Level	70dB @7m

### Engine – DCEC Cummins

Model	4BTA3.9-G2
Aspiration	Turbo, Water/Air DC
Fuel System	AD Type
No. Cylinders	4
Displacement	5.9L
Bore*Stroke	102*120mm
Compression Ratio	16.5
Rated Speed	1500r/min
Net Power - prime	50kW
Governor Type	Electrical
Starter Motor	24V

### Exhaust System

Exhaust Gas Flow	14.8m <sup>3</sup> /min
Exhaust Gas Temp.	497°C
Max. Back Pressure	10kPa

### Aspiration System

Max. Inlet Pressure	6.2kPa
Combustion Volume	5.9m <sup>3</sup> /min
Air Flow	158m <sup>3</sup> /min

### Fuel System

100% Load (Prime Power)	12.9L/h
75% Load (Prime Power)	10L/h
50% Load (Prime Power)	7L/h
Fuel Tank Capacity	102L

### Lubrication System

Oil Capacity	16.4L
Oil Pressure (Continuous Operation)	350kPa

### Cooling System

Coolant Capacity	29L
Thermostat Operation Range	82-95°C
Max. Water Temperature	100°C

### Alternator

Model	Genpower	LK224D
	Optional: Stamford	UC1224E
Phase		3
Voltage		400/230V
Wiring Type		3 Phase 4 Wire, Y Type
Bearing		1
Power Factor		0.8
Frequency		50Hz
Prime Power		138kVA
Exciter Type		Brushless, Self-Excitation
Voltage Regulation		±0.5%
Protection Grade		IP 23
Insulation Grade		H/H
Altitude		≤1000m

### Controller - DEEPSEA

Model	DSE6120
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Protective Functions:

- Low Oil Pressure
- High Water Temperature
- High/Low Voltage
- High Engine Temperature And Overspeed
- Voltage Regulator Frequency Regulator
- Emergency Stop
- Start Failure



### Control Module Options



- Auto Generator Control Module
- Control Module With "Remote Control" Functions
- ATS Auto Load Transfer Screen
- Synchronising Control Modules
- Power Output Cabinet

## Technical Data: Model UKC55ECO

### Standard Features

- Engine (DCEC Cummins)
- Radiator 50°C Max, engine driven fan
- 24V charge alternator
- Main Alternator: Single bearing alternator IP23, insulation class H/H
- Deep Sea standard auto control system
- 1 set of air filter, fuel filters & oil filters included
- Main line circuit breaker/MCCB by CHNT
- Base mounted fuel tank
- Twin Varta batteries
- Low noise exhaust system with rain flap
- User manual

### Options

- Battery charger
- Engine coolant heater
- Alternator heater
- Water oil separator
- 24/48h long run fuel banded tank
- 3-way fuel valves for remote fuel tank
- Remote control panel
- Automatic transfer switch/ATS
- Paralleling multiple sets

### Warranty\*

#### Cummins Engine

12 months for prime power use (1200h per year)\*

24 months for standby use (500h per year)\*

\* Full engine service intervals to be adhered to.

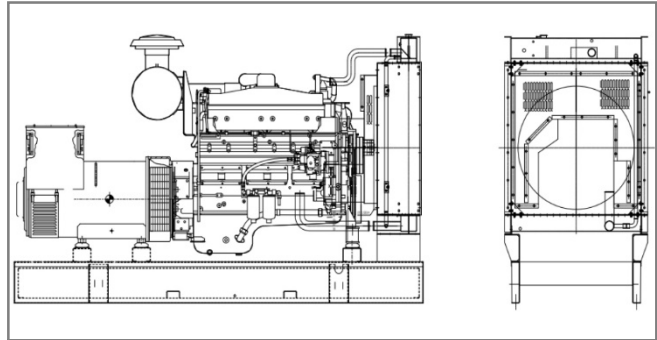
#### Genpower Alternator

36 Months from date of purchase or 3000 hours

#### Generator general components

12 months

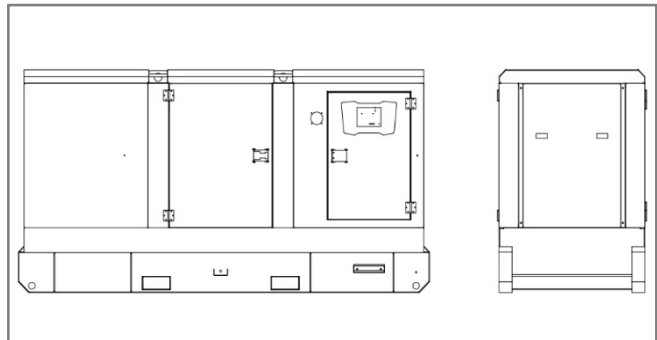
### Unit Dimensions (Basic Unit)



#### Open Type

L x W x H

1900 x 800 x 1280mm



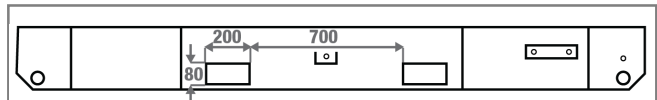
#### Silent Type

L x W x H

2538 x 1000 x 1450mm

Weight

1300kg



#### Forklift Slots

\*Interest free finance available subject to status

