



## MECC ALTE ECO38 1M/4 C-TYPE 225KVA THREEPHASE ALTERNATOR

Reference: ECO38-1M/4 C-TYPE

### MECC ALTE ECO38 1M/4 C-TYPE THREEPHASE 225KVA ALTERNATOR WILL AVR

The alternator MECC ALTE ECO38 1M/4 C-TYPE threephase is capable of delivering a power of 225KVA complete with AVR digital voltage regulator.

The robust construction of the MECC ALTE ECO38 1M/4 alternator can withstand up to 5G in any direction and 9G vertically. Its design allows easy access to connections and components during routine maintenance checks.

The materials used for the construction of the alternator of 225KVA structure are: FEP12 steel for the frame, C45 steel for the shaft and cast iron or pressure die-cast aluminum for the end supports: the fans are made of die-cast aluminum or fiberglass reinforced nylon, materials conforming to UL standards.

In addition to the protection on the same windings, the MECC ALTE ECO38 1M/4 alternator can have a higher protection at the inlet. The standard levels are IP23 with further updates available to include input filters, IP43 and IP45: 7%. Input filters and IP43 are subject to de-rating. 20-30% de-rating applies for IP45 depending on model.

EG43 grey paint, is a high temperature insulating enamel that forms a resistant and flexible film with excellent chemical and moisture protection.

It is water and oil resistant, and also protects the windings from abrasion. It is applied by spraying a layer of coating onto the impregnated winding, or by dipping the stator into a cylinder of paint for superior treatment.

The ECO38 1M/4 of 225KVA is supplied with TOTAL+ treatment, this is a treatment that offers superior performance when the environment is really difficult, or the application is very demanding. TOTAL+ a rubbery treatment, used to replace the encapsulation of epoxy and silicone windings. The flexible black compound cures to a hard, durable coating, sealing copper against moisture and chemical attack.

The ECO38 1M/4 alternator 225KVA is designed and manufactured in ISO 9001 environment. The whole series is manufactured according to the most common specifications such as CEI 2-3, IEC 34-1, EN 60034-1, VDE 0530, BS 4999-5000, NF 51.111, CAN/CSA-C22.2 No14-95-No100-95, NEMA MG 1-2011, ISO 8528-3.

#### TECHNICAL CHARACTERISTICS MECC ALTE ECO38 1M/4 C-TYPE 225KVA

Phase Type: SinglePhase / ThreePhase  
Maximum ThreePhase Power: 250KVA / 200KW  
ThreePhase Continuous Use Power: 225KVA / 180KW  
Maximum SinglePhase Power: 125KVA / 125KW  
SinglePhase Continuous Use Power: 111KVA / 111KW  
Frequency: 50 - 60 Hz  
Voltage: 230 V / 400 V  
Protection class: IP23

Alternator speed: 1500 / 1800 rpm  
Number of poles: 4  
Efficiency: 93.3%  
Width: 602.6 mm  
Length: 926 mm  
Height: 824 mm  
Weight: 600 Kg  
Constant speed alternator  
Brushless  
Voltage regulator: DSR (AVR)

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Images and technical data are not binding.

## Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	125
Continuous power single phase (KW)	111
Maximum power single phase (KVA)	125
Continuous power single phase (KVA)	111
Maximum power three phase (KW)	200
Continuous power three phase (KW)	180
Maximum power three phase (KVA)	250
Continuous power three phase (KVA)	225
Frequency (Hz)	50 / 60
Voltage (V)	230 / 400
Engine rpm (rpm)	1500 / 1800
Poles	4
Single-phase power (KVA)	125
Three-phase power (KVA)	250
Efficiency (%)	93.3
Protection degree	IP23
Brushes	No
PMG	No
Type of alternator	Constant Speed
Voltage regulator	AVR
Weight (Kg)	600