



# MECC ALTE ECO38 2L/4 C-TYPE 350KVA THREEPHASE ALTERNATOR

## Product description:

### MECC ALTE ECO38 2L/4 C-TYPE THREEPHASE 350KVA ALTERNATOR WILL AVR

The alternator MECC ALTE ECO38 2L/4 C-TYPE threephase is capable of delivering a power of 350KVA complete with AVR digital voltage regulator.

The robust construction of the ECO38 2L/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 mechanical design has used the most advanced FEM Techniques.

The materials used for the construction of the alternator of 350KVA 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. The rotors are dynamically balanced according to grade 2.5 of ISO 1940-1.

In addition to the protection on the same windings, the MECC ALTE ECO38 2L/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.

The ECO38 2L/4 of 350KVA 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 alternator 350KVA 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. Other standards such as UL1446, UL 1004/4 and /B are available upon request.

#### TECHNICAL CHARACTERISTICS MECC ALTE ECO38 2L/4 C-TYPE 350KVA

Phase Type: SinglePhase / ThreePhase  
Maximum ThreePhase Power: 370KVA / 296KW  
ThreePhase Continuous Use Power: 350KVA / 280KW  
Maximum SinglePhase Power: 170KVA / 170 KW  
SinglePhase Continuous Use Power: 156KVA / 156KW  
Frequency: 50 - 60 Hz  
Voltage: 230 V / 400 V  
Protection class: IP23  
Alternator speeds: 1500 / 1800 rpm  
Number of poles: 4  
Efficiency: 93.7%  
Width: 602. 6 mm  
Length: 1096 mm  
Height: 824 mm  
Weight: 895 Kg  
Constant speed alternator  
Brushless  
Voltage regulator: DSR (AVR)

Are you looking for an alternator with different characteristics? [HERE](#) you can find the whole MECC ALTE range and other specialized brands

Images and technical data are not binding.

#### Product features:

Phase: Single phase / Three phase  
Maximum power single phase (KW): 170  
Continuous power single phase (KW): 156  
Maximum power single phase (KVA): 170  
Continuous power single phase (KVA): 156  
Maximum power three phase (KW): 296  
Continuous power three phase (KW): 280  
Maximum power three phase (KVA): 370  
Continuous power three phase (KVA): 350  
Frequency (Hz): 50 / 60  
Voltage (V): 230 / 400



Engine rpm (rpm): 1500 / 1800

Poles: 4

Single-phase power (KVA): 170

Three-phase power (KVA): 370

Efficiency (%): 93.7

Protection degree: IP23

Brushes: No

PMG: No

Type of alternator: Constant Speed

Voltage regulator: AVR

Weight (Kg): 895