



# MECC ALTE ECP34-1M/4 C-TYPE THREE PHASE ALTERNATOR 125 KVA AVR

## Product description:

MECC ALTE ECP34-1M/4 THREE-PHASE ALTERNATOR 110 KVA DSR

Alternator MECC ALTE ECP34-1M/4 three-phase with a power of 110KVA, this unit has a Brushless self-exciting and self-regulating operation equipped with voltage regulator **DSR**.

The MECC ALTE ECP34-1M/4 alternators are self-regulating, 4-pole brushless. They have a rotating inductor equipped with a damping cage and a fixed armature with inclined slots. The windings are shortened pitch to reduce harmonic content.

The mechanical structure of the ECP34-1M/4 alternator, which is always very robust, allows easy access to the connections and makes it possible to perform checks on the various components just as easily. The MECC ALTE housing is made of cast iron, the shaft of C45 steel with splined impeller.

Compensation for thermal expansion is particularly important for single bearing generators, as they are connected directly to the motor and perfect alignment is essential to ensure the expected bearing life.

In the case of twin-bearing generators, the importance of this aspect depends on the type of motor-generator coupling. Operating temperatures have a significant effect on alignment tolerances and must be taken into account.

The high quality bi-component insulating resin used by Mecc Alte ECP34-1M/4, is a polyester specially developed for use in vacuum or dip and drip impregnation machines.

The ECP34-1M/4 alternators comply with the Italian standard CEI 2-3 file 11111. This standard corresponds to the European standard EN 60034-1 and the international standard IEC 60034-1, is linked to the British standard BS 4999 Part 101, is equivalent to the German standard VDE

0530 Part 1 and is included in the French standard NF 51.111.

## TECHNICAL FEATURES MECC HIGH ALTERNATOR ECP34-1M/4

Phase type: Singlephase / Threephase  
Maximum threephase power: 137 KVA / 110 KW  
Threephase continuous use power: 125 KVA / 100 KW  
Maximum singlephase power: 76 KVA / 76 KW  
Singlephase continuous use power: 70 KVA / 70 KW  
Frequency: 50 / 60 Hz  
Voltage: 230 / 400 V  
Protection class: IP23  
Alternator speed: 1500 / 1800 rpm  
Number of poles: 4  
Efficiency: 92. 3%  
Width: 462 mm  
Length: 832 mm  
Height: 664 mm  
Weight: 388 Kg  
Constant speed alternator  
Brushless  
Voltage regulator: AVR

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Images and technical data are not binding.

### **Product features:**

Phase: Single phase / Three phase  
Maximum power single phase (KW): 76  
Continuous power single phase (KW): 70  
Maximum power single phase (KVA): 76  
Continuous power single phase (KVA): 70  
Maximum power three phase (KW): 110  
Continuous power three phase (KW): 100  
Maximum power three phase (KVA): 137  
Continuous power three phase (KVA): 125  
Frequency (Hz): 50 / 60  
Voltage (V): 230 / 400  
Engine rpm (rpm): 1500 / 1800  
Poles: 4

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Single-phase power (KVA): 76  
Three-phase power (KVA): 137  
Efficiency (%): 92.3  
Protection degree: IP23  
Acoustic pressure: 65 dB(A) at 7 m  
Brushes: No  
PMG: No  
Type of alternator: Constant Speed  
Voltage regulator: AVR  
Weight (Kg): 385