

## MECC ALTE ECP34-2L/2 THREE PHASE ALTERNATOR 170 KVA AVR

Reference: ECP34-2L/2 SAE3 d11.5

### MECC ALTE ECP34-2L/2 THREephase ALTERNATOR 170 KVA DSR

Alternator MECC ALTE ECP34-2L/2 threephase with a power of 170KVA, this unit has a Brushless self-exciting and self-regulating operation equipped with voltage regulator **DSR**.

The MECC ALTE ECP34-2L/2 alternators are self-regulating, 2-pole brushless. They are equipped with a rotating inductor provided 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 ECP34-2L/2 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 fan.

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. Because of these, the alternator shaft may be in a different position during operation than when it is cold.

The high quality bi-component insulating resin used by Mecc Alte ECP34-2L/2, is a polyester specially developed for use in vacuum or dip and drip impregnation machines. It has superior adhesion strength characteristics, high chemical and humidity resistance and is suitable for use up to 212° C.

The ECP34-2L/2 alternators conform to the Italian CEI 2-3 file 11111 . This corresponds to the European EN 60034-1 and the international standard IEC 60034-1, is linked to the British BS 4999 Part 101, is equivalent to the German standard VDE 0530 Part 1 and is included in the French NF 51.111.

#### TECHNICAL CHARACTERISTICS MECC ALTE ALTERNATOR ECP34-2L/2

Phase Type: SinglePhase / ThreePhase

Maximum SinglePhase Output:

(50Hz) 113KVA / 113KW

(60Hz) 137.3KVA / 137.3KW

Continuous SinglePhase Output:

(50Hz) 101.6KVA / 101.6KW

(60Hz) 124KVA / 124KW

Maximum threephase output:

(50Hz) 170KVA / 136KW

(60Hz) 208KVA / 166.4KW

Continuous threephase output:

(50Hz) 154KVA / 123.2KW

(60Hz) 188KVA / 150.4KW

Frequency: 50 / 60 Hz

Voltage: 230 / 400 V

Degree of protection: IP23

Alternator speed: 3000 rpm  
Number of poles: 2  
Efficiency: 91.8%  
Width: 552 mm  
Length: 897.5 mm  
Height: 743 mm  
Weight: 482 Kg  
Constant speed alternator  
Brushless  
Voltage regulator: AVR

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## Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	113 (50Hz) - 137.3 (60Hz)
Continuous power single phase (KW)	101.6 (50Hz) - 124 (60Hz)
Maximum power single phase (KVA)	113 (50Hz) - 137.3 (60Hz)
Continuous power single phase (KVA)	101.6 (50Hz) - 124 (60Hz)
Maximum power three phase (KW)	136 (50Hz) - 166.4 (60Hz)
Continuous power three phase (KW)	101.6 (50Hz) - 124 (60Hz)
Maximum power three phase (KVA)	170 (50Hz) - 208 (60Hz)
Continuous power three phase (KVA)	154 (50Hz) - 188 (60Hz)
Frequency (Hz)	50 / 60
Voltage (V)	230 / 400
Engine rpm (rpm)	3000
Poles	2
Single-phase power (KVA)	137.3
Three-phase power (KVA)	208
Efficiency (%)	91.8
Protection degree	IP23
Acoustic pressure	77 dB(A) at 7 m
Length (mm)	552
Width (mm)	897.5
Height (mm)	743
Dry weight (Kg)	482
Brushes	No
PMG	No

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Type of alternator	Constant Speed
Voltage regulator	AVR
Weight (Kg)	225

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