



MECC ALTE ECP34-1S/2 THREE PHASE ALTERNATOR 100 KVA AVR

Reference: ECP34-1S/2 SAE3 d11.5

MECC ALTE ECP34-1S/2 THREephase ALTERNATOR 100 KVA DSR

Alternator MECC ALTE ECP34-1S/2 threephase with a power of 100KVA, this unit has a Brushless self-exciting and self-regulating operation equipped with voltage regulator **DSR**.

The MECC ALTE ECP34-1S/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 have a shortened pitch to reduce the harmonic content.

Tests for electromagnetic compatibility have been carried out in compliance with the conditions prescribed by the standards, with the neutral connected to earth. Executions in accordance with other specifications can be carried out at the customer's request.

The mechanical structure of the ECP34-1S/2 alternator, which is always very robust, allows easy access to the connections and enables checks on the various components to be carried out just as easily. The casing of the MECC ALTE is in cast iron, the shaft in C45 steel with splined fan. The degree of protection is IP23 (on request it is possible to realize a higher degree of protection). Insulations are made in class H. The impregnations are performed with polyester resins for the rotating parts and with vacuum treatments for the parts of higher tension, for example the stators. Special treatments can also be carried out on request.

The high quality bi-component insulating resin used by Mecc Alte ECP34-1S/2, is a polyester specially developed to be used in vacuum or immersion 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 ECP34-1S/2 alternators conform to the Italian CEI 2-3 file 11111. This standard corresponds to the European EN 60034-1 and the international 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 standard NF 51.111.

TECHNICAL CHARACTERISTICS MECC HIGH ALTERNATOR ECP34-1S/2

Phase Type: SinglePhase / ThreePhase

Maximum SinglePhase Output:

(50Hz) 67KVA / 67KW

(60Hz) 80.4KVA / 80.4KW

Continuous SinglePhase Output:

(50Hz) 60.3KVA / 60.3KW

(60Hz) 72.4KVA / 72.4KW

Maximum threephase output:

(50Hz) 100KVA / 80KW

(60Hz) 120KVA / 96KW

Continuous threephase output:

(50Hz) 90KVA / 72KW

(60Hz) 108KVA / 86.4KW
Frequency: 50 / 60 Hz
Voltage: 230 / 400 V
Degree of protection: IP23
Alternator speed: 3000 rpm
Number of poles: 2
Efficiency: 90%
Width: 417 mm
Length: 817.5 mm
Height: 743 mm
Weight: 334 Kg
Constant speed alternator
Brushless
Voltage regulator: AVR

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Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	67 (50Hz) - 80.4 (60Hz)
Continuous power single phase (KW)	60.3 (50Hz) - 72.4 (60Hz)
Maximum power single phase (KVA)	67 (50Hz) - 80.4 (60Hz)
Continuous power single phase (KVA)	60.3 (50Hz) - 72.4 (60Hz)
Maximum power three phase (KW)	80 (50Hz) - 96 (60Hz)
Continuous power three phase (KW)	72 (50Hz) - 86.4 (60Hz)
Maximum power three phase (KVA)	100 (50Hz) - 120 (60Hz)
Continuous power three phase (KVA)	90 (50Hz) - 108 (60Hz)
Frequency (Hz)	50 / 60
Voltage (V)	230 / 400
Engine rpm (rpm)	3000
Poles	2
Single-phase power (KVA)	80.4
Three-phase power (KVA)	120
Efficiency (%)	90
Protection degree	IP23
Acoustic pressure	77 dB(A) at 7 m
Length (mm)	417
Width (mm)	817.5
Height (mm)	743
Dry weight (Kg)	334

Brushes	No
PMG	No
Type of alternator	Constant Speed
Voltage regulator	AVR
Weight (Kg)	225
