



MECC ALTE ECO40-2S/4 C-TYPE THREE-PHASE ALTERNATOR 450 KVA AVR

Reference: ECO40-2S/4 C-TYPE

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The alternator MECC ALTE ECO40-2S/4 C-TYPE three-phase with a power output of 450KVA, this unit has a self-regulating brushless operation equipped with an AVR voltage regulator.

The MECC ALTE ECO40-2S/4 alternator is complete with self-regulation via a digital electronic regulator powered by an auxiliary winding. The MECC ALTE ECO40-2S/4 C-TYPE is robustly designed to meet industry requirements and the most demanding technological specifications needed in various applications. They are available as single or double bearing.

The MECC ALTE C-TYPE series has a MAUX auxiliary winding to power the digital controller. The DSR can be connected to a PC via the DxR software and offers the possibility to display alarms and settings for analysis or to clone other controllers.

The ECO40-2S/4 consists of a fixed stator with inclined slots and a rotating inductor, and is equipped with a damping cage as standard. The high-quality two-component insulating resin used in the MeccAlte ECO40-2S/4 is a polyester specially developed for use in vacuum or immersion and drip impregnation machines. It has superior adhesion strength, high chemical and moisture resistance and is suitable for use up to 212°C.

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

The advantages of the AVR

The automatic voltage regulator, or AVR, allows the alternator to deliver stable energy and thus be able to connect equipment with delicate electronics such as computers, appliances, smartphones and tablets. The AVR and the other quality standard of the alternator will provide you with safe and stabilized energy.

TECHNICAL FEATURES MECC ALTE ECO40-2S/4 C-TYPE

Phase Type: Single / Three Phase
Maximum threephase power: 491 KVA / 392.8 KW
Threephase continuous use power: 450 KVA / 360 KW
Maximum singlephase power: 237 KVA / 237 KW
Singlephase continuous use power: 220 KVA / 220 KW
Frequency: 50 / 60 Hz
Voltage: 230 V / 400 V
Alternator Type: Brushless
Degree of protection: IP23
Alternator revolutions: 1500 / 1800 rpm
Number of poles: 4

Efficiency: 94.4%
Constant speed alternator
Voltage regulator: AVR
Weight: 1131Kg

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Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	237
Continuous power single phase (KW)	220
Maximum power single phase (KVA)	237
Continuous power single phase (KVA)	220
Maximum power three phase (KW)	392.8
Continuous power three phase (KW)	360
Maximum power three phase (KVA)	491
Continuous power three phase (KVA)	450
Frequency (Hz)	50 / 60
Voltage (V)	230 / 400
Engine rpm (rpm)	1500 / 1800
Poles	4
Single-phase power (KVA)	237
Three-phase power (KVA)	440
Efficiency (%)	94.4
Protection degree	IP23
Acoustic pressure	82 dB(A) at 7 m
Brushes	No
PMG	Optional
Type of alternator	Constant Speed
Voltage regulator	AVR
Weight (Kg)	1137