



MECC ALTE ECO40-3S/4 C-TYPE THREE-PHASE ALTERNATOR 500 KVA AVR

Reference: ECO40-3S/4 C-TYPE SAE1 d14

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The alternator MECC ALTE ECO40-3S/4 C-TYPE three-phase with a power of 500KVA, this unit has a self-exciting and self-regulating Brushless operation equipped with AVR voltage regulator.

The ECO40-3S/4 C-TYPE alternator is designed for operation at a frequency of 50 or 60 HZ, the possibility of working on these two frequencies makes it possible to apply it to any service voltage, increasing its versatility, for correct operation. For correct operation it is only necessary to verify that the settings are correct for the intended use.

MECC ALTE ECO40-3S/4 C-TYPE is supplied with 12 terminals (7 terminals), with which it is normally possible to connect both the series star alternator and the parallel star alternator. According to your needs, you can switch from one connection to another, bearing in mind that you must necessarily check the connection of the DSR.

The high quality bi-component insulating resin used by MeccAlte ECO40-3S/4, is a polyester specially developed to be used in vacuum impregnation machines or by dipping and dripping. It has superior bond strength characteristics, high chemical and moisture resistance and is suitable for uses up to 212 °C.

The advantages of the AVR

The automatic voltage regulator, or AVR, allows the alternator to deliver stable energy and therefore 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 ECO40-3S/4 C-TYPE

Type of phase: Single / Three-phase
Maximum threephase power: 546 KVA / 436.8 KW
Continuous threephase power: 500 KVA / 400 KW
Maximum singlephase power: 302 KVA / 302 KW
Continuous singlephase power: 276 KVA / 276 KW
Frequency: 50/60 Hz
Voltage: 230 V / 400 V
Alternator type: Brushless
Grade protection: IP23
Alternator revolutions: 1500/1800 rpm
Number of poles: 4
Efficiency: 94.6%
Constant speed alternator
Regulator tension: AVR
Weight: 1206,0 Kg

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Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	302
Continuous power single phase (KW)	276
Maximum power single phase (KVA)	302
Continuous power single phase (KVA)	276
Maximum power three phase (KW)	436.8
Continuous power three phase (KW)	400
Maximum power three phase (KVA)	546
Continuous power three phase (KVA)	500
Frequency (Hz)	50 / 60
Voltage (V)	230 / 400
Engine rpm (rpm)	1500 / 1800
Poles	4
Single-phase power (KVA)	276
Three-phase power (KVA)	500
Efficiency (%)	94.1
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)	1206