



MECC ALTE ECO40-1S/4 C-TYPE THREE-PHASE ALTERNATOR 400 KVA AVR

Reference: ECO40-1S/4 C-TYPE SAE1 d14

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The alternator MECC ALTE ECO40-1S/4 C-TYPE three-phase with a power of 400KVA, this unit has a self-exciting and self-regulating Brushless operation equipped with a AVR voltage regulator.

The ECO40-1S/4 C-TYPE alternator is designed to operate at a frequency of 50 or 60 HZ, the possibility of operating at these two frequencies makes it possible to use it for any service voltage, increasing its versatility for correct operation. For correct operation, it is only necessary to check that the settings are correct for the intended use.

MECC ALTE ECO40-1S/4 C-TYPE is supplied with 12 terminals (7 terminals), with which it is normally possible to connect the alternator either in star series or star parallel. Depending on requirements, it is possible to switch from one connection to another, bearing in mind that the DSR connection must necessarily be checked.

The ECO40-1S/4 alternator is complete with self-regulation which is obtained by means of a digital electronic regulator powered by an auxiliary winding.

The MECC ALTE ECO40-1S/4 C-TYPE alternator is robust and suitable to meet the demands of the industry and the most demanding technological specifications required in various applications. They are available as bearings in single-bearing or double-bearing configuration.

The high quality bi-component insulating resin used by MeccAlte ECO40-1S/4, is a polyester specially developed to be used in vacuum impregnation machines or by dipping and dripping. It has superior adhesion strength characteristics, high chemical and humidity resistance and is suitable for uses up to 212 °C.

TECHNICAL FEATURES MECC ALTE ECO40-1S/4 C-TYPE

Type of phase: Single / Three-phase
Maximum threephase power: 440 KVA / 352 KW
Continuous threephase power: 400 KVA / 320 KW
Maximum singlephase power: 211 KVA / 211 KW
Singlephase continuous use power: 196 KVA / 196 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: 94.1%
Constant speed alternator
Voltage regulator: AVR

Weight: 1047 Kg

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Technical Sheet

Maximum power single phase (KW)	211
Continuous power single phase (KW)	196
Maximum power single phase (KVA)	211
Continuous power single phase (KVA)	196
Maximum power three phase (KW)	352
Continuous power three phase (KW)	320
Maximum power three phase (KVA)	440
Continuous power three phase (KVA)	400
Frequency (Hz)	50 / 60
Voltage (V)	230 / 400
Engine rpm (rpm)	1500 / 1800
Poles	4
Single-phase power (KVA)	211
Three-phase power (KVA)	440
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)	1047
Phase	Single phase / Three phase