



## MECC ALTE ECO40-3L/4 C-TYPE THREE-PHASE ALTERNATOR 680 KVA AVR

Reference: ECO40-3L/4 C-TYPE

### MECC ALTE ECO40-3L/4 C-TYPE THREE-PHASE ALTERNATOR 680 KVA AVR

The alternator MECC ALTE ECO40-3L/4 C-TYPE three-phase with a power of 680KVA, this unit has a self-exciting and self-regulating Brushless operation equipped with AVR voltage regulator.

The ECO40-3L/4 C-TYPE alternator is designed for operation at 50 or 60 HZ frequency, 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 ECO40-3L/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. The MECC ALTE ECO40-3L/4 C-TYPE alternator is complete with self-regulation which is obtained by means of a digital electronic regulator powered by an auxiliary winding. The MECC ALTE ECO40-3L/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.

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

Each engine has a type of connection to connect to the alternator, so you need to pay attention to this aspect; a model can also have from 15 to 20 different construction forms!

It is always advisable to check the construction form of the desired alternator with the help of the technical data sheets.

Select the alternator that reflects the **technical specifications requested by you**, visit our [dedicated section](#) to understand how.

For the correct supply of voltage, the MECC ALTE alternator needs an electronic control system, known precisely as a 'automatic voltage regulator' or 'AVR'. It ensures the proper operation of the machine and, above all, of the electrical network behind it.

The AVR is an electronic device that converts alternating current with time-varying frequency and voltage into direct current and thus prevents current surges.

#### TECHNICAL FEATURES MECC ALTE ECO40-3L/4

Type of phase: Single / Three-phase

Maximum threephase power: 735 KVA / 588 KW

Continuous threephase power: 680 KVA / 544 KW

Maximum singlephase power: 360 KVA / 360 KW

Continuous singlephase power: 335 KVA / 335 KW

Frequency: 50/60 Hz

Voltage: 230 V / 400 V  
 Degree of protection: IP23  
 Revolutions of the 'alternator: 1500/1800 rpm  
 Number of poles: 4  
 Efficiency: 95%  
 Constant speed alternator  
 Brushless  
 Regulator: AVR  
 Weight: 1534 kg

Are you looking for a product with different characteristics? [HERE](#) you can find the entire range MECC ALTE and other specialized brands.

Images and technical data are not binding and subject to changes by the manufacturer

## Technical Sheet

| Phase                               | Single phase / Three phase |
|-------------------------------------|----------------------------|
| Maximum power single phase (KW)     | 360                        |
| Continuous power single phase (KW)  | 335                        |
| Maximum power single phase (KVA)    | 360                        |
| Continuous power single phase (KVA) | 335                        |
| Maximum power three phase (KW)      | 588                        |
| Continuous power three phase (KW)   | 544                        |
| Maximum power three phase (KVA)     | 735                        |
| Continuous power three phase (KVA)  | 680                        |
| Frequency (Hz)                      | 50 / 60                    |
| Voltage (V)                         | 230 / 400                  |
| Engine rpm (rpm)                    | 1500 / 1800                |
| Poles                               | 4                          |
| Single-phase power (KVA)            | 335                        |
| Three-phase power (KVA)             | 680                        |
| Efficiency (%)                      | 95                         |
| Protection degree                   | IP23                       |
| Acoustic pressure                   | 82 dB(A) at 7 m            |
| Brushes                             | No                         |
| PMG                                 | Optional                   |
| Type of alternator                  | Constant Speed             |

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|                   |      |
|-------------------|------|
| Voltage regulator | AVR  |
| Weight (Kg)       | 1534 |

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