



# MARELLIMOTORI ALTERNATOR 50KVA MXB-E 180 MC4

## Product description:

### MARELLIMOTORI MXB-E 180MA4 ALTERNATOR 50KVA THREEPHASE AVR

**MARELLIMOTORI MXB-E 180MC4** is a **Alternator** with a power of 50KVA 40KW, this unit has a self-exciting and selfregulating Brushless operation.

The MXB-E 180MA4 is designed to operate at frequency 50 or 60 HZ, the possibility to work on these two frequencies makes it possible to apply it for 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.

MXB-E 180MC4 can be equipped with a wide range of accessories to meet the customer's needs.

The MarelliMotori Alternator is supplied with 12 terminals (7 terminals), with which it is normally possible to connect both the series and parallel star alternator. According to the needs you can switch from one connection to another, keeping in mind that you must necessarily check the connection of the AVR.

MXB-E 180MC4 threephase can be used as singlephase as required. MarelliMotori MXB-E 180MC4 is equipped with AVR type M00FA122A - MARK VX, suitable for synchronous generators of MARELLIMOTORI construction. The regulator is suitable for operation both on three-phase generators and on single-phase generators, allowing a fast, precise and reliable set-up.

The M00FA122A is an electronic board designed by MarelliMotori, it is protected by a polyurethane resin that protects the device from humidity, dust, aggressive environments. In addition, the AVR is equipped with an internal fuse protection system (5 A, 500 V), which in case of failures or overloads, intervenes and protects the unit in order to make the system safer to place. The M00FA122A serves to make the current stable so as not to ruin the equipment that



connects us, especially electronic equipment such as computers or smartphones.

The regulator M00FA122A is an electronic device that converts alternating current with variable frequency and voltage over time into direct current at constant voltage and thus avoids voltage and current surges.

All synchronous machines need an electronic control system to operate, and this device, known as "voltage regulator" or "AVR" (acronym of *Automatic Voltage Regulator*), ensures the proper operation of the machine and especially the underlying power grid.

The AVR designed by MarelliMotori is internally equipped with a radio noise filter, which allows to contain radio noise emitted by MarelliMotori generators within the limits set by the European regulations for industrial environments

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

#### TECHNICAL FEATURES OF THE THREEPHASE 50KVA ALTERNATOR MXB-E 180MC4

Phase type: Threephase

Maximum power 50Hz: 50.0 KVA

Maximum power 50Hz: 40.0 KW

Maximum power 60Hz: 62.3 KVA

Maximum power 60Hz: 50. 0 KW

Frequency: 50 - 60Hz

Voltage: 400V / 480V

Protection degree: IP23

A alternator revolutions: 1500 / 1800 rpm

Number of poles: 4

Yield: 88.8%

Weight: 189.0Kg

Constant speed alternator

Voltage regulator: AVR

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

Images and technical data not binding and subject to change by the manufacturer

#### Product features:

Phase: Single phase / Three phase

Maximum power three phase (KW): 40

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Maximum power three phase (KVA): 50

Frequency (Hz): 50 / 60

Voltage (V): 400

Engine rpm (rpm): 1500

Poles: 4

Efficiency (%): 88.8

Protection degree: IP23

Brushes: No

Type of alternator: Constant Speed

Voltage regulator: AVR

Weight (Kg): 189