



# MARELLIMOTORI ALTERNATOR 45KVA MXB-E 180 MA4



## Product description:

### **MARELLIMOTORI MXB-E 180MA4 ALTERNATOR 45KVA THREE-PHASE AVR**

**MARELLIMOTORI MXB-E 180MA4** is a **Alternator** with a power of 45KVA 8KW, this unit has a self-exciting and self-regulating 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 increasing its versatility, for correct operation. For correct operation it is only necessary to check that the regulator settings are correct for the intended use.

MXB-E 180MA4 can be equipped with a wide assortment 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 180MA4 three-phase can be used as single-phase as required. MarelliMotori MXB-E 180MA4 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 preserves the device from humidity, dust, aggressive environments; the M00FA122A serves to make the current stable thus avoiding to ruin the equipment that you connect to it, 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

The AVR is equipped with an internal protection fuse (5 A, 500 V), which intervenes in case of regulator failures or very high overloads in the excitation circuit.

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

## TECHNICAL FEATURES OF THE ALTERNATOR 45KVA THREEPHASE MXB-E 180MA4

Phase type: Threephase

Maximum output 50Hz: 45.0 KVA

Maximum output 50Hz: 36.0 KW

Maximum output 60Hz: 56.3 KVA

Maximum output 60Hz: 45. 0 KW

Frequency: 50 - 60Hz

Voltage: 400V / 480V

Protection degree: IP23

A alternator revolutions: 1500 / 1800 rpm

Number of poles: 4

Yield: 88.3%

Weight: 181.0Kg

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): 36

Maximum power three phase (KVA): 45

Frequency (Hz): 50 / 60

Voltage (V): 400

Engine rpm (rpm): 1500

Poles: 4

Efficiency (%): 88.3

Protection degree: IP23

Brushes: No

Type of alternator: Constant Speed

Voltage regulator: AVR

Weight (Kg): 181

