



# MARELLIMOTORI ALTERNATOR 135KVA MXB-E 225 MB4

## Product description:

MARELLIMOTORI MXB-E 225MB4 ALTERNATOR 135KVA THREEPHASE AVR

**MARELLIMOTORI** MXB-E 225MB4 is a **Alternator** with a power of 135KVA 108KW, this unit has a self-exciting and selfregulating Brushless operation.

The MXB-E 225MB4 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 check that the settings are correct for the intended use.

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

MXB-E 225MB4 threephase can be used as singlephase as required. MarelliMotori MXB-E 225MB4 is equipped with AVR type M00FA122A - MARK VX, suitable for synchronous generators of MARELLIMOTORI construction. The regulator is suitable for operation on both three-phase generators and single-phase generators, allowing a fast, precise and reliable setup.

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.

All synchronous machines for the correct supply of voltage need an electronic control system, known as "voltage regulator" or "AVR" (acronym of *Automatic Voltage Regulator*) it ensures the



proper operation of the machine and especially the underlying power grid.

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 current surges.

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

Each engine has a type of connection to be connected to the alternator so you must pay attention to this aspect; a model can also have 15 to 20 different forms of construction!

We always recommend to check with the help of the technical data sheets the construction form of the desired alternator.

Select the alternator that reflects the **technical specifications you require**, visit our dedicated section to understand how.

#### TECHNICAL FEATURES OF THE MXB-E 225MB4

Phase type: Three phase

Maximum power 50Hz: 135KVA

Maximum power 50Hz: 108KW

Maximum power 60Hz: 163 KVA

Maximum power 60Hz: 135KW

Frequency: 50 - 60Hz

Voltage: 400V / 480V

Protection degree: IP23

speed: 1500 / 1800 rpm

Number of poles: 4

Yield: 91.6%

Weight: 407.0Kg

Constant speed

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): 108  
Maximum power three phase (KVA): 135  
Frequency (Hz): 50 / 60  
Voltage (V): 400  
Engine rpm (rpm): 1500  
Poles: 4  
Efficiency (%): 91.6  
Protection degree: IP23  
Brushes: No  
Type of alternator: Constant Speed  
Voltage regulator: AVR  
Weight (Kg): 407