



## MARELLIMOTORI ALTERNATOR 120KVA MXB-E 225 MA4

Reference: MXB-E 225 MA4

### MARELLIMOTORI MXB-E 225MA4 ALTERNATOR 120KVA THREEPHASE AVR

MARELLIMOTORI MXB-E 225MA4 is a **Alternator** with a power of 120KVA 96KW, this unit has a self-exciting and selfregulating Brushless operation.

The MXB-E 225MA4 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 it is only necessary to check that the settings are correct for the intended use.

MXB-E 225MA4 can be equipped with a wide assortment of accessories to meet the customer's needs.

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 225MA4 threephase can be used as single-phase as required. MarelliMotori MXB-E 225MA4 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.

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 ALTERNATOR 120KVA THREEPHASE MXB-E 225MA4

Phase type: Threephase  
Maximum power 50Hz: 120.0 KVA  
Maximum power 50Hz: 96.0 KW  
Maximum power 60Hz: 150.0 KVA  
Maximum power 60Hz: 120. 0 KW  
Frequency: 50 - 60Hz  
Voltage: 400V / 480V  
Protection degree: IP23  
Speed: 1500 / 1800 rpm  
Number of poles: 4  
Yield: 90.5%  
Weight: 377.0Kg  
Constant speed  
AVR

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

### Technical Sheet

Phase	Single phase / Three phase
Maximum power three phase (KW)	96
Maximum power three phase (KVA)	120
Frequency (Hz)	50 / 60
Voltage (V)	400
Engine rpm (rpm)	1500
Poles	4
Efficiency (%)	90.5
Protection degree	IP23
Brushes	No
Type of alternator	Constant Speed
Voltage regulator	AVR
Weight (Kg)	377