



## MARELLIMOTORI ALTERNATOR 180KVA MXB-E 250 SA4

Reference: MXB-E 250 SA4

### MARELLIMOTORI MXB-E 250SA4 ALTERNATOR 180KVA THREEPHASE

MARELLIMOTORI MXB-E 250SA4 is a **Alternator** with a power of 180KVA 144KW, this unit has a self-exciting and self-regulating Brushless operation.

The MXB-E 250SA4 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 250SA4 threephase can be used as singlephase as required. MarelliMotori MXB-E 250SA4 is equipped with AVR type M00FA122A - MARK VX, suitable for synchronous generators of MARELLIMOTORI construction. The regulator is suitable for operation both on threephase 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 purpose of voltage regulator, in a current generator, is to **maintain stable output voltage**. When resistive loads are supplied, the delayed phase shift current counteracts the inductor magnetic field, causing a voltage drop at the alternator output terminals. To compensate for this phenomenon, the AVR automatically intervenes by increasing the excitation current until the output voltage returns to the nominal value.

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 250SA4 THREEPHASE 180KVA ALTERNATOR

Phase type: Three phase

Maximum power 50Hz: 180KVA  
Maximum power 50Hz: 144KW  
Maximum power 60Hz: 225KVA  
Maximum power 60Hz: 180KW  
Frequency: 50 - 60Hz  
Voltage: 400V / 480V  
Protection degree: IP23  
A alternator revolutions: 1500 / 1800 rpm  
Number of poles: 4  
Yield: 91.3%  
Weight: 513.0 Kg  
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

## Technical Sheet

| Phase                           | Single phase / Three phase |
|---------------------------------|----------------------------|
| Maximum power three phase (KW)  | 144                        |
| Maximum power three phase (KVA) | 180                        |
| Frequency (Hz)                  | 50 / 60                    |
| Voltage (V)                     | 400                        |
| Engine rpm (rpm)                | 1500                       |
| Poles                           | 4                          |
| Efficiency (%)                  | 91.3                       |
| Protection degree               | IP23                       |
| Brushes                         | No                         |
| Type of alternator              | Constant Speed             |
| Voltage regulator               | AVR                        |
| Weight (Kg)                     | 513                        |