



## MARELLIMOTORI ALTERNATOR 12,5KVA MXB-E 160 SA4

Reference: MXB-E 160 SA4 SAE4 d7.5

### MARELLIMOTORI MXB-E 160SA4 ALTERNATOR 12.5KVA THREE-PHASE AVR

MARELLIMOTORI MXB-E 160SA4 is a **Alternator** with a power of 12.5KVA 8KW, this unit has a self-exciting and self-regulating Brushless operation.

MXB-E 160SA4 is designed for 50 or 60 HZ frequency operation, so it is possible to apply it for any service voltage increasing its versatility, for correct operation for one or the other frequency it is however necessary to verify that the voltage regulator settings are correct for the intended use, to avoid malfunctioning.

MXB-E 160SA4 can be equipped with a wide assortment of accessories to meet the needs and any customer's requirements.

The MarelliMotori Alternator is supplied with 12 terminals (7 terminals), unless specific requests from the customer. Normally it is possible to connect both series and parallel star alternator, in case you want to change the connections it is necessary to verify the connection of the AVR.

MXB-E 160SA4 three-phase can be used as single-phase following the technical manual.

MarelliMotori MXB-E 160SA4 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 preserves the device from humidity, dust, aggressive environments; the voltage regulator serves to make the current stable, thus avoiding damaging the equipment connected to it, especially electronic equipment such as computers or smartphones. This AVR can be inserted in such a way as to automatically adjust the voltage and possibly also the frequency and / or electrical current according to the set values.

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

#### TECHNICAL FEATURES OF THE ALTERNATOR 12.5KVA THREEPHASE MXB-E 160SA4

Phase type: Threephase  
Maximum power 50Hz: 12.5 KVA  
Maximum power 50Hz: 10.0 KW

Maximum power 60Hz: 15.6 KVA  
Maximum power 60Hz: 12.5 KW  
Frequency: 50 - 60Hz  
Voltage: 400V / 480V  
Protection degree: IP23  
A alternator revolutions: 1500 / 1800 rpm  
Number of poles: 4  
Yield: 78.9%  
Weight: 88.0 Kg  
Constant speed  
Voltage regulator: AVR

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

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

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## Technical Sheet

Phase	Single phase / Three phase
Maximum power three phase (KW)	10
Maximum power three phase (KVA)	12.5
Frequency (Hz)	50 / 60
Voltage (V)	400
Engine rpm (rpm)	1500
Poles	4
Efficiency (%)	78.9
Protection degree	IP23
Brushes	No
Type of alternator	Constant Speed
Voltage regulator	AVR
Weight (Kg)	88