



# MARELLIMOTORI ALTERNATOR 680KVA MJB 355 MA4

## Product description:

MARELLIMOTORI MJB 355MA4 ALTERNATOR 680KVA THREE-PHASE

MARELLIMOTORI MJB 355MA4 is a three-phase alternator capable of delivering a power of **680KVA 544KW**, comes complete with AVR.

The frame of the alternator designed by MarelliMotori is equipped with side ribs to increase the resistance in addition the construction is made of strong welded steel

The 680KVA MarelliMotori alternators for continuous operation are designed to meet the vibration levels according to the standards, therefore they have a shielding in spheroidal cast iron or grey cast iron.

The shaft of the MJB 355MA4 is made of carbon steel and obtained by rolling. The shaft is obtained by forging from 290 mm diameter and is tested at the manufacturer in order to verify the absence of defects.

The stator/motor core of MarelliMotori is laminated and enamelled on both sides to minimize eddy current losses

The rotor of MJB 355MA4 is of salient pole type, made with class H flat copper wire insulated with enamel coating.

The winding is held by high quality steel through rods.

All MarelliMotori are equipped with a large damping cage and are suitable for parallel operation with other generators, if equipped with the parallelization unit.

All MarelliMotori alternators can be designed to meet specific reactance values ( $x'd$  and  $x''d$ ).

The MarelliMotori alternators are all equipped with a voltage regulator, in the case of the analog MJB 355MA4. For the correct supply of voltage MARELLIMOTORI 680KVA has the need of an electronic control system, known as "voltage regulator" or "AVR" (acronym of Automatic Voltage



Regulator). It guarantees the proper functioning of the machine and above all of the electrical network behind it.

The AVR is an electronic device that converts alternating current with frequency and voltage variable over time into direct current 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 it is necessary to pay attention to this aspect; a model can also have from 15 to 20 different forms of construction! It is always advisable to check with the help of the technical data sheets the construction form of the alternator desired.

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

#### TECHNICAL FEATURES OF THE ALTERNATOR 680KVA THREE-PHASE MJB 355MA4

Phase type: Three phase

Maximum power 50Hz: 680KVA

Maximum power 50Hz: 544KW

Maximum power 60Hz: 825KVA

Maximum power 60Hz: 660KW

Frequency: 50 - 60Hz

Voltage: 400V / 480V

Protection degree: IP23

A alternator speed: 1500 / 2250 rpm

Number of poles: 4

Yield: 95. 8%

Weight: 1800kg

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

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Maximum power three phase (KW): 544  
Maximum power three phase (KVA): 680  
Frequency (Hz): 50 / 60  
Voltage (V): 400  
Engine rpm (rpm): 1500  
Poles: 4  
Efficiency (%): 95.8  
Protection degree: IP23  
Brushes: No  
Type of alternator: Constant Speed  
Voltage regulator: AVR  
Weight (Kg): 1800