



# MARELLIMOTORI ALTERNATOR 450KVA MJB 315 MB4

## Product description:

MARELLIMOTORI MJB 315MB4 ALTERNATOR 450KVA THREE-PHASE

MARELLIMOTORI MJB 315MB4 is a three-phase alternator capable of delivering a power of **450KVA 360KW**, 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 450KVA alternators MarelliMotori for continuous operation are designed to meet the vibration levels according to the standards, therefore they have a spheroidal cast iron or grey cast iron shielding.

The shaft of the MJB 315MB4 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 315MB4 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 alternators 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 voltage regulator, in the case of the MJB 315MB4 analog. For the correct supply of voltage MARELLIMOTORI 450KVA 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

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

#### TECHNICAL FEATURES OF THE ALTERNATOR 450KVA THREE-PHASE MJB 315MB4

Phase type: Three phase

Maximum power 50Hz: 450KVA

Maximum power 50Hz: 360KW

Maximum power 60Hz: 550KVA

Maximum power 60Hz: 440KW

Frequency: 50 - 60Hz

Voltage: 400V / 480V

Protection degree: IP23

A alternator revolutions: 1500 / 2250 rpm

Number of poles: 4

Yield: 95. 3%

Weight: 1200kg

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): 360

Maximum power three phase (KVA): 450

Frequency (Hz): 50 / 60

Voltage (V): 400

Engine rpm (rpm): 1500

Poles: 4

Efficiency (%): 95.3

Protection degree: IP23

Brushes: No

Type of alternator: Constant Speed

Voltage regulator: AVR

Weight (Kg): 1200