



MARELLIMOTORI ALTERNATOR 2000KVA MJB 500 SC4

Reference: MJB 500 SC4

MARELLIMOTORI MJB 500SC4 ALTERNATOR 2000KVA THREE-PHASE

MARELLIMOTORI MJB 500SC4 is a three-phase alternator capable of delivering a power of **2000KVA 1600KW**, comes complete with AVR.

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

The 2000KVA 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 500SC4 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 losses due to eddy currents

The rotor of MJB 500SC4 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 voltage regulators. For the correct voltage supply MARELLIMOTORI MJB 500SC4 2000KVA needs 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 2000KVA THREE-PHASE ALTERNATOR MJB 500SC4

Phase type: Three phase

Maximum power 50Hz: 2000KVA
Maximum power 50Hz: 1600KW
Maximum power 60Hz: 2400KVA
Maximum power 60Hz: 1920KW
Frequency: 50 - 60Hz
Voltage: 400V / 480V
Protection degree: IP23
A alternator speed: 1500 / 2250 rpm
Number of poles: 4
Yield: 96.9%
Weight: 4000Kg
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)	1600
Maximum power three phase (KVA)	2000
Frequency (Hz)	50 / 60
Voltage (V)	400
Engine rpm (rpm)	1500
Poles	4
Efficiency (%)	96.9
Protection degree	IP23
Brushes	No
Type of alternator	Constant Speed
Voltage regulator	AVR
Weight (Kg)	4000