



SINCRO SK160 CB SINGLE PHASE / THREE PHASE ALTERNATOR 14KVA AVR

Reference: SK160 CB SAE5 d6.5

SINCRO SK160 CB SINGLE-PHASE ALTERNATOR 14KVA AVR

Alternator SINCRO SK160 CB single-phase / three-phase with a power of 14KVA, this unit has brushless operation equipped with AVR regulator.

The SINCRO SK160 alternator has been designed to guarantee excellent performance under different load and environmental conditions. Its robust and resistant construction is able to withstand the vibrations and mechanical stresses generated by the operation of the current generator. Furthermore, the alternator is equipped with a forced ventilation cooling system and thermal protection to ensure safe and reliable operation in different environmental conditions.

The SINCRO SK160 alternator is equipped with AVR which guarantees a constant and stable output even in the presence of variable loads. In addition, the alternator features low noise and low vibration, ensuring quiet and comfortable operation. This makes it ideal for residential and commercial applications where low noise and vibration levels are important.

AVR VOLTAGE REGULATOR

The AVR is an electronic device designed to maintain the output voltage of a current generator constant and stable, regardless of load changes or variations in the supply voltage.

The AVR regulator works by controlling the excitation current of the generator alternator. The SINCRO SK160 CB alternator produces AC (alternating current) which is rectified and converted to DC by a diode bridge. The AVR regulator constantly monitors the SINCRO SK160 CB output and compares it with a set reference. If the output is below the reference, the AVR regulator increases the alternator excitation current to increase the output voltage.

The AVR is an essential component to ensure the stability and reliability of the current generator. Thanks to its ability to keep the output voltage constant and stable, the AVR regulator guarantees a reliable and safe source of energy for various applications, from industry to agriculture, from commerce to emergencies.

TECHNICAL SPECIFICATIONS SINCRO SK160 CB

Phase type: Single-phase
Maximum power: 15.4 KVA / 12.3 KW
Continuous power: 14 KVA / 11.2 KW
Number of poles: 4
Voltage (V): 230 / 400
Frequency (Hz): 50
Revolutions per minute (rpm): 1500
Alternator type: Constant speed
Efficiency: 83.3 %
Regulator voltage: AVR

Protection degree: IP23

Brushes: No

Length: 303 mm

Width: 451 mm

Height: 451 mm

Weight: 73kg

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Images and technical data are not binding and subject to changes by the manufacturer

Technical Sheet

Phase	Single phase / Three phase
Maximum power three phase (KW)	12.3
Continuous power three phase (KW)	11.2
Maximum power three phase (KVA)	15.4
Continuous power three phase (KVA)	14
Frequency (Hz)	50
Voltage (V)	230 / 400
Engine rpm (rpm)	1500
Poles	4
Single-phase power (KW)	6.72
Single-phase power (KVA)	8.4
Efficiency (%)	83.3
Protection degree	IP23
Length (mm)	303
Width (mm)	451
Height (mm)	451
Dry weight (Kg)	73
Brushes	No
Type of alternator	Constant Speed
Voltage regulator	AVR