



# RIMOR VFR500 045F3 INVERTER THREEPHASE 45KW IP54

## Product description:

INVERTER VFR500 045F3 THREEPHASE 45KW IP54

The inverter VFR500 045F3 of 45KW power with IP54 protection rating is a voltage and frequency converter capable of generating a voltage and frequency controlled three-phase system to make it possible to vary the speed of asynchronous or vector motors.

The Inverter VFR500 045F3 is equipped with a display for reading and programming with the possibility to activate a very large number of functions, to satisfy every industrial application.

The application of inverters to the various operating machines (pumps, fans, conveyor belts, mills, etc.) allows to obtain a real energy saving, as only the actual power needed is consumed. In fact, the starting by inverter is done by absorbing the actual necessary current, so it is not necessary to take into account the high inrush currents present in case of starting with other systems.

The 45KW inverter has an IP54 housing and is equipped with filters for cooling air inlet and outlet. This requirement allows keep the internal inverter unit particularly clean, limiting the deposit of dirt on the heat sink, boards and internal components.

Therefore, the Rimor IP54 inverter is a simple, robust and reliable piece of equipment, containing the classic Rimor IP23 standard inverter inside, which is shielded and cooled in the most appropriate way. This solution guarantees reduced maintenance, longer life and greater reliability of the inverter.

The abbreviation IP corresponds to International Protection Rating and, following the IEC 60529 standard, identifies the degrees of shielded of the enclosures for electrical devices.

This standard was also created to avoid an excessive use of vague terms, such as "waterproof". Thanks to the IP protection class it is instead possible to be more exhaustive and precise, clearly



defining to what extent the device is shielded against the intrusion of solid and liquid bodies, dust and possible accidental contact.

#### TECHNICAL CHARACTERISTICS OF THREE-PHASE INVERTER VFR500 045F3 IP54

Input Voltage: 380V

Working power: 45KW

Overload: 120%

Maximum output frequency: 500 Hz

Min. operating temperature: -10.00 °C

Max working temperature: 40.00 °C

Protection class: IP54

Length: 320 cm

Width: 500 cm

Height: 750 cm

If you are looking for an Inverter with other features or more power than 45KW then we suggest you to browse our wide catalogue

Images and technical data are not binding.

#### **Product features:**

Phase: Three phase

Maximum power three phase (KW): 45

Voltage (V): 380

Protection degree: IP54

Length (mm): 3200

Width (mm): 5000

Height (mm): 7500