

SINGLE-PHASE ELECTRIC MOTORS MTN SERIE

SINGLE-PHASE INDUCTION BRAKE MOTORS

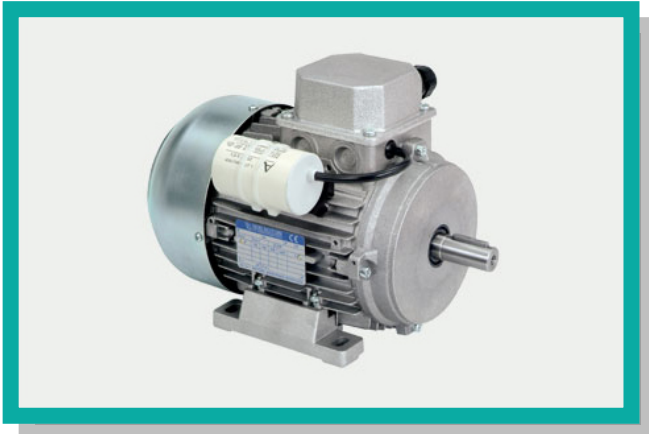


- ❖ **Size:** from IEC 50 to IEC 100
- ❖ **Power:** from 0.06 KW to 3.00 KW
- ❖ **Polarity:** 2 – 4 – 6 – Poles
- ❖ **Brake:** Brake DC – Brake AC – Brake DC "S"
- ❖ **Design:** B3 – B5 – B14 (B3/B5- B3/B14)
- ❖ **Voltage:** 230-50HZ
- ❖ **Variants:** Forced cooling

DESCRIPTION

These use spring-pressure brakes, firmly spliced onto a cast iron shield at the back of the motor. In the S line , the shield may be aluminum. Powered by direct current or alternative current, with negative action (positive upon request). The braking action appears in the absence of power supply to the brake coil; these are therefore safety brake. The insulation class of these brakes is " Class F". For single- phase, three- phase and dual-polarity motors, these faithfully follow the specifications already illustrated in this catalogue from a mechanical and electrical standpoint, with the exception of axial dimensions which increase due to the presence of the brake. The lining of our brakes is asbestos-free, for the most recent EEC Directives in terms of Workplace Hygiene and Safety. All brakes assemblies are protected against atmospheric aggression by painting and/or heat galvanizing. The parts most subject to wear are treated in special atmospheres that provide considerable wear resistance to the parts. As standard, the shaft in self-breaking motors features a rear hexagonal end.

SINGLE-PHASE INDUCTION MOTORS



- ❖ **Size:** from IEC 50 to IEC 100
- ❖ **Power:** from 0.6 to 3.00 KW
- ❖ **Polarity:** 2- 4 – 6 Poles
- ❖ **Design:** B3 – B5 – B14 (B3/B5 – B3/B14)
- ❖ **Voltage:** Volt 230-50H
- ❖ **Variants:** Forced cooling- Self-braking

SINGLE-PHASE INDUCTION MOTORS WITH CURRENT RELAY



- ❖ **Size:** from IEC 50 to IEC 100
- ❖ **Power:** from 0.06 KW to 3.00 KW
- ❖ **Polarity:** 2 – 4 – 6 Poles
- ❖ **Design:** B3 – B5 – B14 (B3/B5- B3/B14)
- ❖ **Voltage:** Volt 230-50Hz
- ❖ **Variants:** Forced cooling- Self-braking

DESCRIPTION

Klixon (MA)

This is an ampere relay which overcomes the force of an antagonist spring when the starting torque is high, working through a coil and mobile armature with electrical contact, to connect the starting capacitor parallel to the run capacitor. When the motor has started the absorbed current drops and the antagonist spring is then able to overcome the electromagnetic force of the coil, thereby disconnecting the starting capacitor. This device is available in various ampere capacities and is approved per UL and CSA standards.

SINGLE-PHASE INDUCTION MOTORS WITH ELECTRONIC CAPACITOR

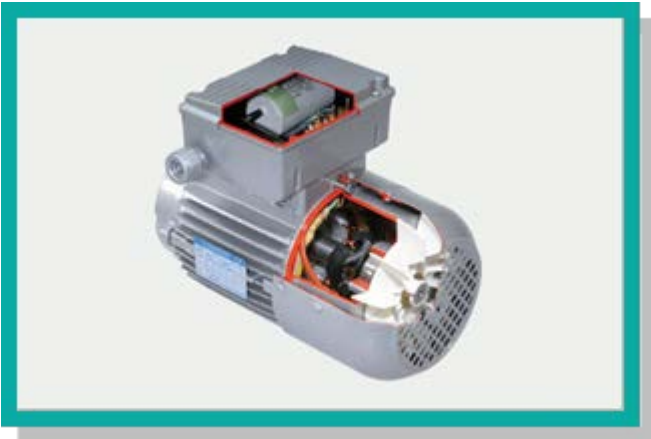


- ❖ **Size:** from IEC 50 to IEC 100
- ❖ **Power:** from 0.06 KW to 3.00 KW
- ❖ **Polarity:** 2 – 4 – 6 – Poles
- ❖ **Design:** B3 – B5 – B14 (B3/B5- B3/B14)
- ❖ **Voltage:** 230-50HZ
- ❖ **Variants:** Forced cooling- Brake motor

DESCRIPTION

This is a timed electronic device built into the housing of an impregnated- per capacitor. This device starts a timer when the motor is powered, when the starting capacitor is parallel to the run capacitor; after a certain period of tie, the timer disconnects the starting capacitor to achieve a high starting torque, allowing start-stop cycles every 6 seconds.

SINGLE-PHASE INDUCTION MOTORS WITH CENTRIFUGAL CIRCUIT BREAKER



- ❖ **Size:** from PAM 50 to PAM 100
- ❖ **Power:** from 0.03 KW to 3.00 KW
- ❖ **Polarity:** 2 – 4 – 6 – Poles
- ❖ **Design:** B3 – B5 – B14
- ❖ **Voltage:** 230/50HZ
- ❖ **Variants:** Forced cooling – Brake motor

DESCRIPTION

This is a highly stable device , as it detects the rpm of the motor. It consists of a rotary part keyed to the motor shaft, a duly insulated electrical part keyed to the rear motor shield, and an aluminum Cap for mechanical protection, with sealing gaskets that ensure an IP 55 rating for the unit. Without protection cap (standard) Centrifugal switch

IP20 Motor IP55

SINGLE PHASE MOTORS WITH DOUBLE VOLTAGE AND FREQUENCY



- ❖ **Size:** from IEC 50 to IEC 100
- ❖ **Power:** from 0.06 KW to 3.00 KW
- ❖ **Polarity:** 2 – 4 – 6 Poles
- ❖ **Design:** B3 – B5 – B14 (B3/B5- B3/B14)
- ❖ **Voltage:** 230-50Hz
- ❖ **Variants:** Forced cooling- Self-braking

DESCRIPTION

They are motors produced with a special winding, they work with a single capacitor for double voltage (example 115V/230V -50 Hz). You can reverse the rotation of the motor with simple connections in the terminal box. 60 Hz upon request.

TWO-SPEED SINGLE-PHASE INDUCTION MOTORS



- ❖ **Size:** from IEC 50 to IEC 100
- ❖ **Power:** from 0.37/0.25 KW to 1.8/1.5 KW
- ❖ **Polarity:** 2/4 - Poles
- ❖ **Design:** B3 – B5 – B14 (B3/B5- B3/B14)
- ❖ **Voltage:** 230-50HZ
- ❖ **Variants:** Forced cooling-brake motors

DESCRIPTION

High-technology motors resulting from our own exclusive experience and technology. High power outputs, 30% lower than standard catalogue motors, all other conditions being equal. In some cases a single capacitor is used for both speeds, providing simpler circuitry. Quiet, reliable, high performance, they represent an evolutionary step for the single-phase motor. They have % starting currents and starting drive torque % similar to standard motors