

MOD.3110

Technical specifications

Provided with silk screened front panel and with 4mm CE safety sockets.

Overload thermal protection included.

Nominal voltage:
230Vac / 50Hz

Nominal power:
0,3kW (Other power on request)

Nominal speed:
2880 rpm

Dimensions (LxWxH):
35x18x19 cm

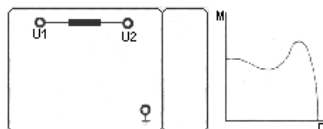
Weight:
9 kg



The 'shaded pole' machine is a single phase induction motor with two poles on the stator and a squirrel cage rotor. The poles have a recess in the iron and around one of the two parts is wound a coil copper called shading coil.

The excitation coil is wrapped through the poles.

When an AC power source is applied to the winding of the poles, the magnetic field axis moves from the unshaded side to the shaded (ring) side of the pole and causes the rotation of the rotor.



- Imprinted terminal boards with the synoptic.
- Base plate with four rubber feet.
- With coupling cog for easy engagement with other machines.
- Protection against thermal overload
- All connections on 4 mm safety sockets included thermal contact.
- Manual explaining theory and practice for laboratory experiments.

Didactical purpose

- Motor connection
- Typical machine data evaluation
- Reversing the rotation direction
- Direct test for mechanical characteristic (torque as function of the speed)
- Direct test for electro-mechanical characteristic (torque, speed, input current, efficiency and power factor as function of the output power)

Options

Depending on the specific requirements of the application the machine can be provided with two shaft ends and with other power values.

Accessories

A full range of accessories are available like electromagnetic brakes, powder brakes, measuring modules such as voltmeter, ammeter power meter, connection cables and power supplies.