

### MOD.3095

#### Technical specifications

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

Nominal voltage:  
230Vca / 50Hz

Nominal power:  
0,25kW (Other power on request)

Nominal speed:  
2880 rpm

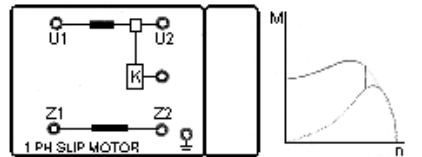
Cos  $\varphi$ :  
0,92

Dimensions (LxWxH):  
35x18x25 cm

Weight:  
9 kg



This machine is a single phase motor with auxiliary phase start. It's equipped with centrifugal switch. Thank to the auxiliary winding it is possible to avoid capacitor to start motor. Auxiliary winding has been realized with a smaller copper wire section to increase the resistance so that the current flowing in the auxiliary phase is 20 – 30° in advance to the current flowing in the principal phase



- All connections on 4 mm safety sockets included thermal contact.

Manual explaining theory and practice for laboratory experiments.



- 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

#### 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)
- Measure of the ohmic windings resistance
- No-load test of the motor
- Short-circuit test of the motor
- Measurement of the slip [s]

#### Options

Depending on the specific requirements of the application the machine can be provided with two shaft ends, with other power values and can be designed with the appropriate number of poles in order to have the required nominal speed. (MOD.3095-4: 4 poles split phase motor 1500 rpm).

#### Accessories

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