

MOD.3065

Technical specifications

Industrial, complete with base plate, provided with silk screened terminal board and with 4mm safety sockets.

Nominal voltage:
400V (star / star) 50Hz

Nominal power:
0,6 / 0,4kW (Other power on request)

Nominal speed:
2800 / 1400 rpm

Dimensions: (LxDxH)
35x18x25cm

Weight:
10 kg



General

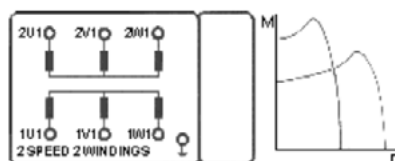
Three-phase squirrel cage induction motor two speeds, double winding.
This motor is practically an asynchronous squirrel cage motor with two windings which allows the motor operate at 2/4 poles.
Supplying the windings 2U1 - 2V1 - 2W1, the motor runs as a 2 poles motor.
Supplying the windings 1U1 - 1V1 - 1W1, the motor runs as a 4 poles motor.



Didactical purpose

- Motor connection
- Typical machine data evaluation
- Reversing the rotation direction
- Measure of the ohmic windings resistance
- No-load test of the motor
- Short-circuit test of the motor
- Direct test of the motor for mechanical characteristic (torque as function of the speed) and for electro-mechanical characteristic (torque, speed, input current, efficiency and power factor as function of the output power)
- Measurement of the slip [s]

- 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



Options

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

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.



Polarity commutator for 2 speed motor with separate windings with star connection
MOD.3311