

MOD.3060

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 current:
0,8 / 0,7A (400V)

Nominal power:
0,29 / 0,22kW (Other power on request)

Power factor (cosφ):
0,8 / 0,7

Nominal speed:
2600 / 2360 rpm

Dimensions: (LxDxH)
35x18x25cm

Weight:
8 kg



General

Three phase two speed squirrel cage induction motor (Dhalander).

This motor is practically an asynchronous squirrel motor with special windings which have the possibility to be supplied as 2 poles or 4 poles. Supplying the poles 1U 1V 1W and closing in short circuit the poles 2U 2V 2W the motor is like a 2 poles motor and it runs at 2600rpm.

Supplying the poles 2U-2V-2W leaving 1U 1V 1W open, the motor becomes a 4 poles and it runs 1360rpm.

- 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)
- 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 and with other power values .

Accessories

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



Polarity reverser for 2 speeds 2 windings 3 phase motors, "Dahlander" type
MOD.3310

