

3-PHASE MOTOR 2/4 POLES SEPARATE WINDINGS

Company with Quality Management System Certified by DNV = ISO 9001/2008 =

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.

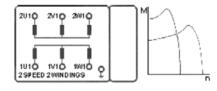
This motor is practically an asynchronous squirrel cage motor with two windings which allows the motor operate at 2/4 poles. Supplying the windings 2U1 - 2V1 - 2W1, the motor runs as a 2 poles motor. Supplying the windings 1U1 - 1V1 - 1W1, the motor runs as a 4 poles motor.

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

CE

Copyright © 2008 - italtec T.T.S. Srl All right Reserved

Ci riserviamo di apportare modifiche e migliorie senza preavviso We reserve the right to change these specifications without notice Photos et données techniques susceptible de modifications sans avis

italtec Technical Training Systems S.R.L.

20129 - MILANO - ITALIA - Viale Regina Giovanna, 35 Tel. +39 02 90 721 606 - Fax. +39 02 90 720 227 e-mail: italtec@italtec.it www.italtec.it