

Training Systems

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

MOD.3060

Technical specifications

base plate, provided with silk

screened terminal board and

Industrial, complete with

with 4mm safety sockets.

400V (star / star) 50Hz

Nominal voltage:

Nominal current:

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

Nominal power:

0,29 / 0,22kW (Other

power on request)

Power factor $(\cos\phi)$:

Nominal speed:

35x18x25cm

Weight:

8 kg

2600 / 2360 rpm

Dimensions: (LxDxH)

0.8/0.7

3-PHASE MOTOR 2/4 POLES DAHLANDER

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 eveluation
- Reversing the rotation direction
- Direct test for mechanical characteristic (torgue 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

Copyright © 2008 – italtec T.T.S. Srl All right Reserved Ci riserviamo di apportare modifiche e migliorie senza preavviso

(F

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





