

### MOD.3150

#### Technical specifications

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

Modes:  
Series motor

Nominal voltage:  
220Vdc

Nominal power:  
250W (Other power on request)

Nominal speed:  
3000 rpm

Dimensions: (LxDxH)  
35x18x25cm

Weight:  
9,5 kg



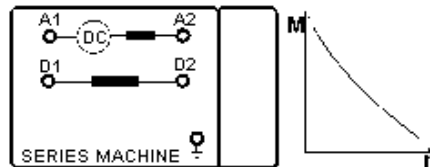
#### General

The DC series motor must be used only if connected with a mechanical load.

Never use in no load condition: when the armature voltage increases the motor increases its speed very fast with no control chances.

As indicated on the silk screened terminal board, the machine windings are:

- 1 - A1-A2 rotor winding (Armature)
- 2 - D1-D2 series winding



- 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
- Reversing the rotation direction
- Direct test for electro-mechanical characteristic (torque, speed, input current, efficiency as function of the output power)
- Typical machine data evaluation
- Measurement of the windings resistance
- Unload test of the motor
- Direct test for mechanical characteristic (torque as function of the speed)

#### 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. (es MOD.3150-4: 4 poles DC series machine 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.



Starting rheostat MOD.3010