

MOD.3160

Technical specifications

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

Modes:

Motor: self, series and compound

Generator: self, compound and externally excited

Nominal voltage:
220Vdc

Current:
1,6A

Excitation voltage:
220Vdc

Excitation current:
0,17A

Nominal power:
250W (as motor)
200W (as generator)
Other power on request

Nominal speed:
3000 rpm



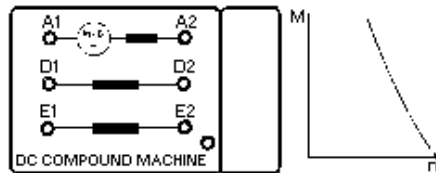
General

The COMPOUND motor, if supplied with constant voltage, runs at constant speed.

This machine is then used when a constant speed is required in the application; typical use of this machine are machine tools, pumps and for rolling mills.

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

- 1 - A1-A2 rotor winding (Armature)
- 2 - D1-D2 series winding
- 3 - E1-E2 excitation 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

- Measurement of the windings resistance
- Unload test of the motor
- Direct test of the motor
- External characteristic determination for a DC generator
- Regulation characteristic determination for a DC generator

Accessories

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



Starting rheostat
MOD.3010



Excitation rheostat
MOD.3012



Resistive load for
DC generator
MOD.3016-R



Speed control with
SCR for DC machine
MOD.3230