## 4.1 - D.C. MACHINES

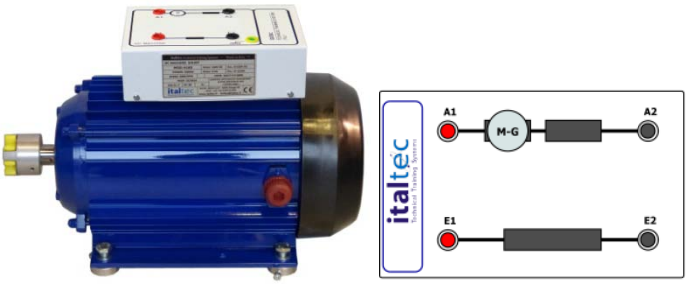
- Design: with typical industrial characteristics.
- Input/output with standard 4 mm safety sockets.
- Manual explaining theory and practice
- Other speed available like 3600rpm
- Other supply voltage available
- Protection against thermal overload
- Rail base and shaft joints available for fast and easy coupling.
- Optional double shaft ends

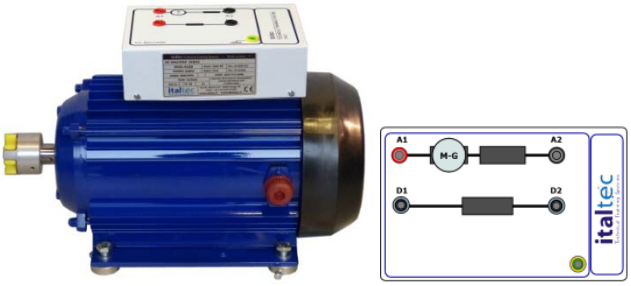
*Accessories:*

- STARTING RHEOSTAT
- EXCITATION RHEOSTAT
- POWER AND EXCITATION SUPPLY

**Mod.6140 Shunt Wound Machine 3000rpm**
**Mod.6140-4 Shunt Wound Machine 1500rpm**
Modes: self and externally excited Motor/Generator

- Nominal voltage: 220Vdc
- Excitation voltage: 90÷210Vdc
- Nominal speed: 3000/1500rpm
- Nominal power: 3Kw (mot.) 2,5kW(gen.)



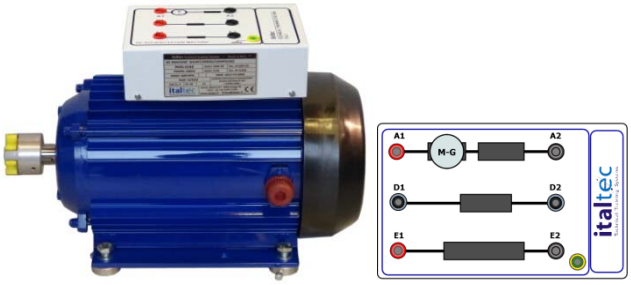




**Mod.6150 Series Wound Machine 3000rpm**
**Mod.6150 Series Wound Machine 1500rpm**
Modes: series Motor/Generator.

- Nominal voltage: 220Vdc
- Nominal speed: 3000/1500rpm
- Nominal power: 3Kw (mot.) 2,5kW(gen.)

**Mod.6160 Compound Wound Machine 3000rpm**
**Mod.6160-4 Compound Wound Machine 1500rpm**
Modes: self and externally excited Motor/Generator.

- Nominal voltage: 220Vdc
- Excitation voltage: 90÷210Vdc
- Nominal speed: 3000/1500rpm
- Nominal power: 3Kw (mot.) 2,5kW (gen.)




**Mod.6165 Multi circuit Wound Machine 3000rpm**
**Mod.6165-4 Multi circuit Wound Machine 1500rpm**
Modes: Shunt wound, compound wound, series wound Motor/Generator.

- Nominal voltage: 220Vdc
- Excitation voltage: 90÷210Vdc
- Nominal speed: 3000/1500rpm
- Nominal power: 3Kw (mot.) 2,5kW (gen.)