

THREE PHASE SYNCHRONOUS MACHINE

EM-30-03-02 (370W)

SCIENSCOPE
EDU-LABS



Three phase synchronous machine with three phase winding both stator and rotor for operation as motor and generators.

- Nominal Power: 370W / 1/2HP
- Nominal Voltage: 240 / 415 V (Delta/Star)
- Nominal Current: 1.5 / 1.0 A (Delta/Star)
- Frequency: 50Hz
- Nominal Speed: 1500 rpm
- Excitation Voltage: 0 ~ 25 VDC
- Excitation Current: 2.6 A
- Winding Poles: 4
- Terminals: 4mm Safety Socket
- Coupling: Optional (Alignment Needed For Coupling To Generator Brake Unit)
- Base Plate: Attachable To Break Load Unit / Generator Unit
- Manual: Instructional & Experimental Manual Provided

Typical Experimental

- Load test & No load test of machine
- Speed-Torque Analysis
- Voltage-Speed Analysis
- AC Motor Generator Test
- Star-Delta Starting (Three Phase 240VAC)
- Forward Reverse Starting
- Auto Transformer Starting
- Soft Starter Starting
- Variable Frequency Drive
- Torque Speed Characteristic Test

Note: Due to products continuous development process, layout and specification may change without prior notices.