

These motors belong to the Single phase motor family, but these do not have capacitors to provide the initial turning effect, and hence have a very low starting torque.

This Model is the Industrial/Educational model suitable for demonstrating to students the complete know of the Basics, Starting method, Winding study, Study of Speed-Torque, Study of Efficiency & Maintenance of these motors packaged in small rating.



Students can make connections of their own with the help of the terminations provided.

Technical Specs :

Power ratings available : 1KW/2KW

Voltage Input: 230V AC 1Phase 50Hz

1500 rpm, TEFC, B3, IP44, IC01, Class-B, S1, Single /Double shaft extension

List Of Experiments

- 1) Starting by DOL Starter
- 2) Starting by reduced voltage starter.
- 3) Load test & No load test of machine
- 4) Speed-Torque Analysis
- 5) Voltage-Speed Analysis
- 6) Efficiency Analysis
- 7) Blocked rotor test
- 8) Cold Resistance & Hot Resistance
- 9) Motor Operation parameters
- 10) Basic Overhauling Know how

Note: Specifications are subject to change.

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