

Product Name :

Single Phase AC Squirrel Cage Induction Motor (Capacitor Run) for Electrical Lab

Product Code :

ADM-011-NE

**Description :**

for Electric Motors Teaching Labs Single Phase AC Squirrel Cage Induction Motor (Capacitor Run) for Electronic Labs - This Model is an educational model suitable for demonstrating to students the complete know of the Basics, Components, Starting methods, Wear & Tear & Maintenance of these motors packaged in small rating. Students can make connections of their own with the help of the terminations provided for study of features viz Starting methods, Speed-Torque, Effect of Phase angle, Study of Cogging/Crawling, Effect of reduced voltage, Blocked rotor test.

Technical Specs :

Power ratings available : 350W / 750W / 1KW / 1.5KW

Voltage Input: 230V AC 50hz

RPM: 1440 / 2880 RPM

Single/Double shaft extension, TEFC, IP44, IC01, B3, Class-B, S1, Casting/Sheet metal body

List of Experiments:

Starting by DOL Starter

Starting by reduced voltage starter.

Load test & No load test of machine

Speed-Torque Analysis

Voltage-Speed Analysis

Speed reversal

Efficiency Analysis

Blocked rotor test

Cold Resistance & Hot Resistance

Motor Operation parameters

Basic Overhauling Know how

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