

Product Name : 3 Phase AC Squirrel Cage Induction Motor Dahlander Type for Electrical Lab	Product Code : ADM-010-NE
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Description :

3 Phase AC Squirrel Cage Induction Motor Dahlander Type for Electrical Lab for Electric Motors Teaching 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 control, Speed-Torque, Effect of Phase angle, Study of Cogging/Crawling, Effects of Single phasing, Effect of voltage imbalance operation, Blocked rotor test.

Technical Specs :

Power ratings available : 350W / 750W / 1KW / 2 KW / 3KW/ 5KW

Voltage Input: 440V AC 50hz

RPM: 2pole & 4pole, (1400/2880), other options are (6pole/4pole)

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

List of Experiments

Starting by DOL Starter

Starting by Star-Delta Starter

Starting by reduced voltage starter.

Speed Control by VVVF method

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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