



Designed & Manufactured By :

alfa electricals An ISO 9001:2008 Certified Co.

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Induction Motor coupled with DC Generator :

Three Phase AC Induction motor is used vastly for large numbers of application in the world. There are specific guidelines is defined for manufacturers under staderds like IS, IEC, NEMA etc. for standardization of Electric Motors world wide. The IEC Standard is followed by major manufacturers in the world for manufacturing and testing of Induction Motors. In India Indian Standard called as "IS" which is derived from IEC.

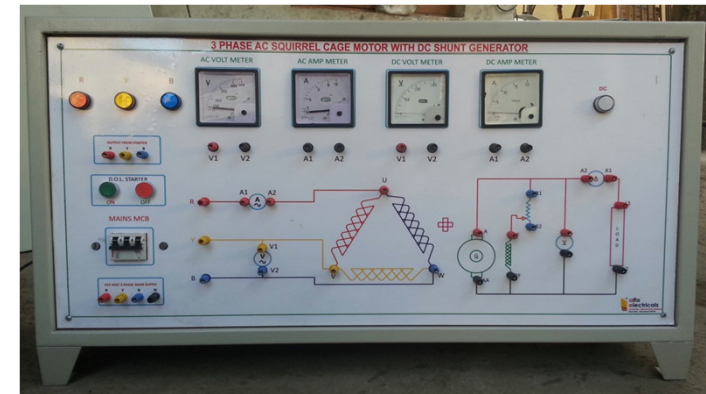
The system is designed to test the Induction motors as per IS : 325. The system includes Three Phase AC Induction Motor & DC Generator coupled flexibly, mounted on heavy duty 'C' Chanel base Structure with anti-vibration pads. The Unique desing of control Panel with MMIC Diagram Demonstration helps students to do connections themselves.

Easy Operating System for students to perform No-Load Test, Load Test, Block Rotor Test, Heat-Run Test. For detailed analytican study, students can plot speed-torque, current-torque and efficiency-torque curves to understand the behavior and characteristic of AC Machines.

Powder Coated Panel Structure, fabricated from high quality 16/18 SWG M S Sheet with in-built storage facility. Cost-Effective Table Top Panel, Customized & Tailor made design is also available as per specific requirement of the Customer.

Features :

- 100 % Copper Windings
- Armature Stampings made from electrical grade Silicon Steel
- Dynamically Balanced skewed Rotor for Noice & Vibration free operations
- Constand & Uniform Pressure Carbon Brush Holders - Lesser Sparking
- Heavy duty 'C' chanel base structure with Anti-Vibration Pad
- Easy Installation and Portability - No Civil Work or foundation required
- Choice for Digital or Analog Meters



Technical Specifications :

DC Machine : SPDP Foot Mounted
Type : Shunt/Series/Compound
Ratings : 0.5 HP to 10 HP
Base Voltage : 220V/380V/440V
Speed : 1500 RPM(or as Specified)
Insulation Class : B / F

AC Machine : TEFC Foot Mounted
Type : Three Phase
Ratings : 0.5 HP to 10 HP
Base Voltage : 380V/415V
Speed : 1500 RPM(or as Specified)
Insulation Class : B / F