



Designed & Manufactured By :

alfa electricals An ISO 9001:2008 Certified Co.

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Slip Ring Induction Motor with Mechanical Brake Loading :

Slip Ring Induction motor is also known as Wound Rotor Induction or Phase Wound Induction Motor. It has a stator like the squirrel cage induction motor, but a rotor with insulated windings brought out via slip rings and brushes. However, no power is applied to the slip rings. Their sole purpose is to allow resistance to be placed in series with the rotor windings while starting. This resistance is shorted out once the motor is started to make the rotor look electrically like the squirrel cage counterpart. The system is supplied along with Control Panel & Mechanical Brake Loading Arrangement mounted on heavy duty 'C' Channel base Structure and anti-vibration pads. The Unique desing of Control Panel with demonstratative MMIC Diagram helps students to do connections and experiments themselves. The system has scope to learn starting of Slip Ring Induction by rotor resistance starter, speed control or Slip Ring Induction Motor by changing applied Voltage & by changing the resistance of rotor circuit, No-Load Test, Load Test & Characteristic of Slip Ring Induction Motor.

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.

Specifications :

Motor : TEFC Foot Mounted

Type : Three Phase Slip Ring Induction type

Ratings : 3 HP to 10 HP

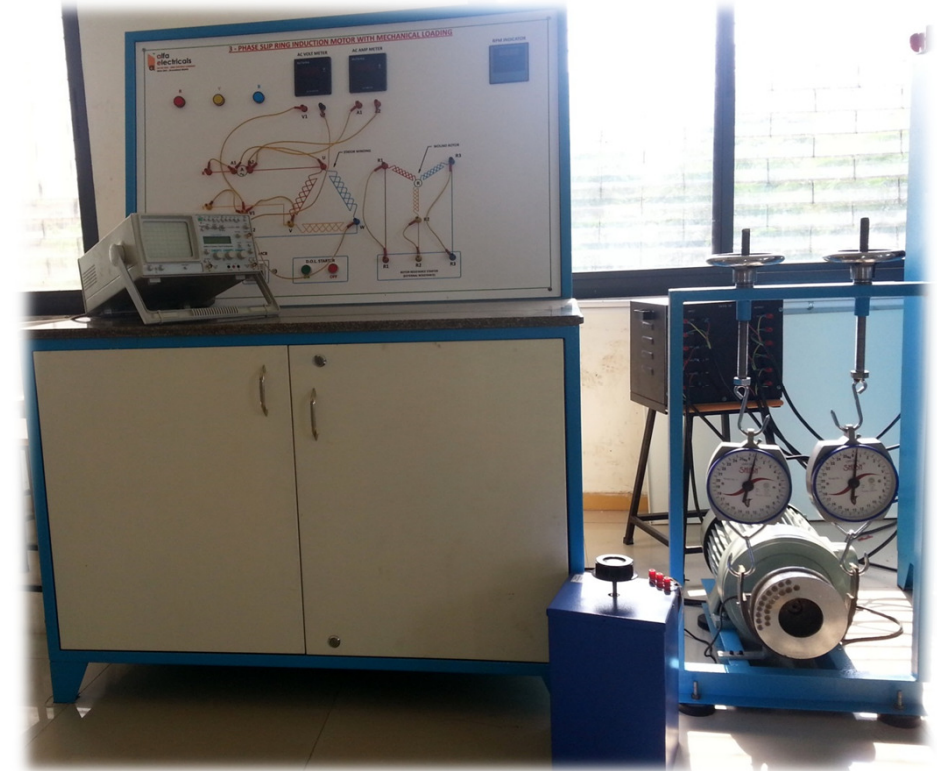
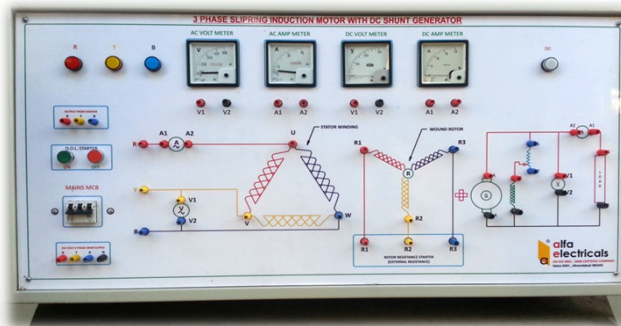
Voltage : 415V, 50 Hz

Speed : 1440 RPM

Insulation Class : B / F

Starting Method:

Rotor Resistance Starter/Thyristorised with No Volt and Over Load Protection



Features :

100 % Copper Windings

Armature Stampings made from electrical grade Silicon Steel

Dynamically Balanced skewed Rotor for Noice & Vibration free operations

Constant & Uniform Pressure Carbon Brush Holders - Lesser Sparking

Dynamically Balanced loading drum pulley

Heavy duty 'C' channel base structure with Anti-Vibration Pad

Easy Installation and Portability - No Civil Work or foundation required

Choice for Digital or Analog Meters

Mfg. of: All Types Of Electric Motors & Laboratoty Equipment for Educational Institutes.