

ELECTRICAL MACHINES

MOTOR GENERATOR AC to DC



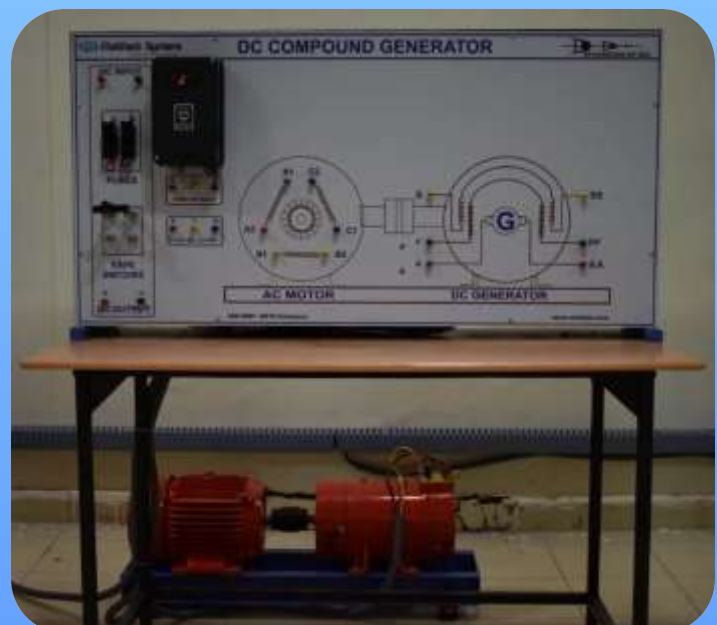
SPECIFICATIONS:

- ❖ Motor Generator Squirrel Cage Induction motor 7.5HP, 415V, 1500 RPM.
- ❖ DC 3 point starter with no volt and overlap protection.
- ❖ Field Rheostat for DC motor $300\Omega/2A$
- ❖ Field Rheostat for DC Generator $300\Omega/2A$
- ❖ Dual pole MCB 220V/30A

DC COMPOUND GENERATOR

SPECIFICATIONS:

- ❖ DC shunt motor 5HP, 220V, 500RPM, 19A current directly coupled with DC Compound Generator 220V,3KW 14A current.
- ❖ DC 3 point starter with no volt and overlap protection.
- ❖ Field Rheostat for DC motor $300\Omega/2A$
- ❖ Field Rheostat for DC generator $300\Omega/2A$
- ❖ Dual pole MCB 220v/30A
- ❖ Lamp Indicator



DC COMPOUND MOTOR



SPECIFICATIONS:

- ❖ DC Compound Motor 5HP, 220V, 1500RPM, 19A current.
- ❖ DC 3 point starter with no volt and overlap protection.
- ❖ Field Rheostat for DC motor 300Ω/2A
- ❖ Field Rheostat for DC generator 300Ω/2A
- ❖ Dual pole MCB 220v/30A
- ❖ Lamp Indicator

SPECIFICATIONS:

- ❖ DC series motor 5HP, 220V, 500RPM, 19A current with break load pulley belt load changing arrangement dial type spring balance.
- ❖ DC 3 point starter with no volt and overlap protection.
- ❖ Field Rheostat for DC motor 300Ω/2A
- ❖ Dual pole MCB 220v/30A
- ❖ Lamp Indicator

DC SERIES MOTOR



SPECIFICATIONS:

- ❖ DC shunt motor 5HP, 220V, 1500 RPM, 19A current directly coupled with DC Shunt Generator 220V,3KW 14A current.
- ❖ DC 3 point starter with no volt and overlap protection.
- ❖ Field Rheostat for DC motor 300Ω/2A
- ❖ Field Rheostat for DC generator 300Ω/2A
- ❖ Dual pole MCB 220v/30A
- ❖ Lamp Indicator

DC SHUNT GENERATOR



DC SHUNT MOTOR WITH CONTROL PANEL



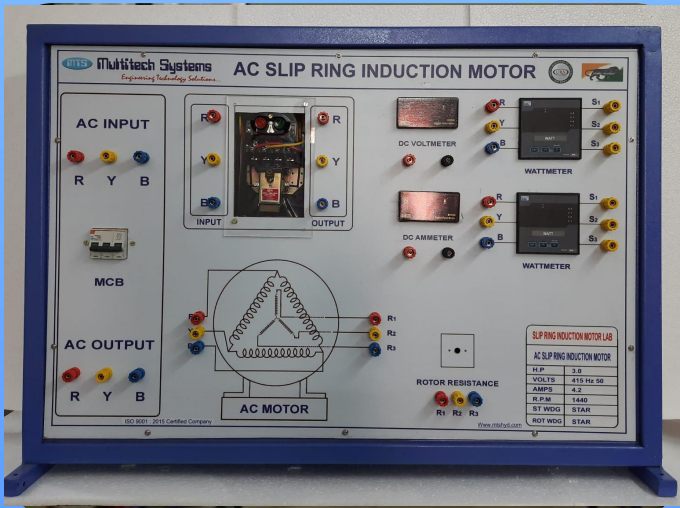
SPECIFICATIONS:

- ❖ DC shunt motor 5HP, 220V, 500RPM, 19A current with break load pulley belt load changing arrangement dial type spring balance.
- ❖ DC 3 point starter with no volt and overlap protection.
- ❖ Field Rheostat for DC motor 300Ω/2A
- ❖ Dual pole MCB 220v/30A
- ❖ Lamp Indicator

SPECIFICATIONS:

- ❖ DC shunt motor 5HP, 220V, 500RPM, 19A current with break load pulley belt load changing arrangement dial type spring balance.
- ❖ DC 3 point starter with no volt and overlap protection.
- ❖ Field Rheostat for DC motor 300Ω/2A
- ❖ Dual pole MCB 220v/30A
- ❖ Lamp Indicator

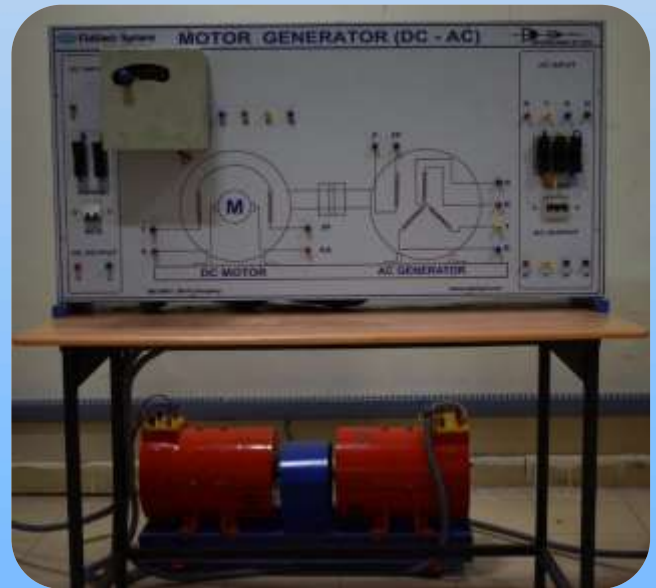
AC WOUND SLIP RING INDUCTION MOTOR



SPECIFICATIONS:

- ❖ 3-phase cap. Start cap run induction motor 5HP 440V with drum pulley arrangement for loading purpose having round dial type spring balances and switch.
- ❖ DOL Starter
- ❖ Triple pole MCB
- ❖ Lamp Indicator

MOTOR GENERATOR DC to AC



AC SQUIRREL CAGE MOTOR



SPECIFICATIONS:

- ❖ 3-phase cap. Start cap run induction motor 5HP 220V with drum pulley arrangement for loading purpose having round dial type spring balances and switch.
- ❖ DOL Starter
- ❖ Triple pole MCB
- ❖ Lamp Indicator

SPECIFICATIONS:

- ❖ DC synchronous motor 5HP, 220V, 1500RPM, 19A current coupled to 3phase 415V salient pole Alternator 3KVA, bolted on common base with flexible coupling.
- ❖ DC 3 point starter with no volt and overlap protection.
- ❖ Field Rheostat for DC motor 300Ω/2A
- ❖ Dual pole MCB 220v/30A
- ❖ Lamp Indicator

SYNCHRONOUS MOTOR



THREE PHASE TRANSFORMER



SPECIFICATIONS:

- ❖ Single Phase Transformer 2KV 30/230V with Tapping's at 50%, 86.6% & 100% in teaser and power circuit .Housed in steel box with Educational type Terminals provided.
- ❖ Dual pole MCB
- ❖ Lamp Indicator



DISTRIBUTION CONTROL PANEL

- With 8/10/12/15 AC, 8/10/12/15 DC Indicators with 2 Pole MCB
- RYB Indicator fitted in sheet metal enclosure duly powder coated with bus bar
- Voltmeter & Ammeters Provided
- Rotor Switch with RYB Phase voltage
- Three Phase Inductors

RECTIFIER

- Rating: 150A (For DC Machines)
- 200-250V DC Rectifier
- Over Load Protection
- Capacity 150A
- Indicator for Input & Output
- Ammeter & Voltmeter
- MCBs
- Filter circuit

