



ASC A-ET27 Three Phase Slip Ring Motor- Shunt Generator Trainer is a significant training system for Electrical Machine Laboratories to demonstrate the operational working and characteristic of DC Shunt Generator under different loading conditions. In this training system various experiments to be conducted such as operational working behavior of DC Shunt Generator, Open Circuit Characteristic and Load Characteristic etc.

Features

- ❖ Heavy duty machines
- ❖ Facility to connect external load
- ❖ Safety terminals provided on the top of the motor
- ❖ Provided with Digital Tachometer for RPM measurement
- ❖ Provided with Rotor Resistance Starter
- ❖ Good quality digital panel meters
- ❖ Heavy duty machines base
- ❖ Considering all the safety standards
- ❖ Specially designed patch cords for safety purpose
- ❖ Circuit representation for the ease of connections
- ❖ Flexible Shaft Coupling Arrangement
- ❖ Facility for electrical loading arrangement

Technical Specifications

Three Phase Mains Supply	:	415V \pm 10%, 50Hz
Machines Specifications		
Both the Machines are flexibly coupled and mounted on a single "C" channel base		
Three Phase Induction Motor		
Type	:	Slip-Ring
Power Rating	:	3 HP
Voltage Rating	:	415V \pm 10%
Speed	:	1440 rpm \pm 5%
DC Generator		
Type	:	DC Shunt
Power Rating	:	2HP
Speed	:	1500 rpm \pm 7.5%
Insulation Class	:	'B'
Digital Meters		
DC Voltmeter	:	300V
DC Ammeter	:	10A (2 nos)
AC Voltmeter	:	500V
AC Ammeter	:	10A
Digital Tachometer	:	19999 RPM
MCB (TPN)	:	6A
MCB (SPN)	:	6A
Accessories	:	Manual & Patch cord
Optional-Three Phase Variac 5/10A, Rheostat & Resistive Load		

Learning's

- ❖ Study the starting of Three Phase Slip-Ring Induction Motor by using of Rotor Resistance Starter
- ❖ Study and perform running and reversing of Slip Ring Induction Motor
- ❖ Study and perform the No Load Characteristics of DC Shunt Motor
- ❖ Study and perform the Load Characteristics of DC Shunt Motor

Accessories

Patch Cord



User Manual



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