



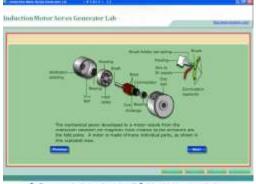
46599 Induction Motor Series Generator Lab is a training system designed to provide comprehensive learning and functioning of a DC Series Generator. It can be used for performing various experiments like Operating Characteristics, Terminal Voltage v/s Armature current (V-I) Characteristics and Load Characteristics, etc. All protection circuits are inbuilt, so there is very less chance of fault or danger.

Features

- Electrical Loading Arrangement
- Flexible shaft coupling arrangement
- Provided with Digital Tachometer
- Machine with Class "B" Insulation
- Heavy Duty Base/Channel
- Equipped with supply indication lamps
- Designed by considering all the safety standards
- Diagrammatic representation for the ease of connections
- Exclusive and Compact Design
- Learning material CD
- 2 Year Warranty

Scope of Learning

- Study & verify No-Load Characteristics of DC Series Generator
- Study & verify Load Characteristics of DC Series Generator



Software window showing DC Machine cut-set view

Note: Specifications are subject to change.

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Technical Specifications

Mains Supply	: Three Phase, 415V±10 %, 50Hz
Machine Specificat	ions
Both the Machines	are flexibly coupled and mounted
on a 'C' Channel base	
Three Phase Induction Motor (acts as prime mover)	
Туре	: Squirrel Cage
Rating	:2HP
Voltage Rating	: 415VAC
Speed	: 1440 RPM (no load)
Insulation	: Class 'B'
DC Machine (acts as generator)	
Туре	: Compound
Rating	: 1HP (also available with 2HP &
-	3HP)
Speed	: 1500 RPM (no load)
Insulation	: Class 'B'
Analog Meters used	
DC Voltmeter (MC)	: 300V (2 Nos.)
DC Ammeter (MC)	: 5A (2 Nos.)
AC Voltmeter (MI)	: 500V
AC Ammeter (MI)	:5A
MCB (TPN)	: 10A
Dimensions (mm)	: W 600 x D 450 x H 600 (Control
	Panel)
	W 170 x D 900 x H 285 (MG set)
Weight	: 17kg (approx.) (Control Panel)
	53kg (approx.) (MG Set)

Optional Three Phase Variac, 10A Rheostat 5A, 110 Resistive Load (for machines rated upto 1HP/3HP respectively)