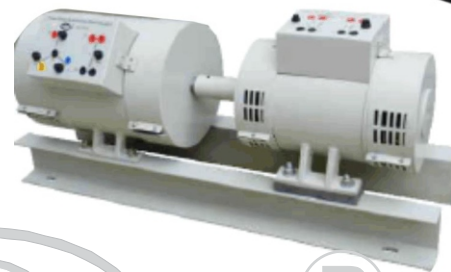


**OMEGA TYPE 20 116** Induction Motor Compound Generator Lab is an adaptive training system for Electrical laboratories. It is designed to demonstrate the fundamental concepts of DC Compound Generator on different loading conditions. The diagrammatic representation is provided on the control panel so that students can make connections themselves. All protection circuits are inbuilt, so there is very less chance of fault or danger.

**FEATURES:**

- 01 Electrical loading arrangement
- 02 Flexible shaft coupling arrangement
- 03 Provided with Digital Tachometer
- 04 Machine with Class "B" Insulation
- 05 Heavy Duty Base/Channel
- 06 Equipped with supply indication lamps
- 07 Designed by considering all the safety standards
- 08 Diagrammatic representation for the ease of connections
- 09 Exclusive and Compact Design



**OBJECTS:**

- 01 Study and verify the Load Characteristics of Long Shunt Cumulatively Compound Generator.
- 02 Study and verify the Load Characteristics of Short Shunt Cumulatively Compound Generator.
- 03 Study and verify the Load Characteristics of Long Shunt Differentially Compound Generator.
- 04 Study and verify the Load Characteristics of Short Shunt Differentially Compound Generator.

**04 DC Generator (acts as generator)**

- Type : Compound
- Rating : 600W
- Speed : 1500 RPM (no load)
- Insulation : Class 'B'

**05 Digital Meters 3½ Digit used**

- DC Voltmeter : 300V (2 Nos.)
- DC Ammeter : 5A (2 Nos.)
- AC Voltmeter : 500V
- AC Ammeter : 5A
- MCB (TPN) : 10A

**TECHNICAL SPECIFICATION:**

- 01 Mains Supply** : Three Phase, 415V±10%, 50Hz
- 02 Motor Specifications**  
Both the Motor are flexibly coupled and mounted on a 'C' Channel base
- 03 Three Phase Induction Motor (acts as prime mover)**
  - Type : Squirrel Cage
  - Rating : 1HP
  - Voltage Rating : 415V AC
  - Speed : 1440 RPM (no load)
  - Insulation : Class 'B'

- 06 Dimension (C.Pnl) : L 600 x H450 x D350 (mm)
- 07 Dimension MG-Set : L900 x H 285 x D180 (mm)
- 08 Weight C-Panel : 13kg (approx.)
- 09 Weight MG Set : 84kg (approx.)

**LIST OF ACCESSORIES:**

- 01 Shrouded patch cord 4mm length 50/100 cm. .... 20

**OTHER APPARATUS REQUIRED:**

- 01 Three phase variac Input 0-415 V  
Output 0-470 V current 10 Amp
- 02 Resistive Load OMEGA TYPE -20 202.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.