



46611 Single and Three Phase Inductive Load is suitable for loading Single Phase and Three Phase supplies and generators. It consists of robust enclosure that contains three banks of switchable inductive loads. Two terminals for each phase are given which are externally accessible through an inbuilt star delta switch.

All banks of inductors are electrically isolated and separate terminals for each phase are provided on panel through a star/delta switch so that the students can connect as a star or delta load for three-phase circuits. Each bank has a set of switches to bring each inductor into the circuit.

This allows students to study the effects of balanced or unbalanced inductive loads. MCB's are used to change the inductance of the load. Students can connect the loads to experiment circuits using specially designed patch cords on the enclosed front panel. The load is mounted on a trolley to provide facility of easy movement in laboratories.

### Features

- Suitable for loading Single Phase and Three Phase supply
- Suitable for both static & rotating machines
- Star/ Delta switch provides easy switching
- MCBs are used to switch values and provide protection at the same time
- Heavy duty wheel for easy movement
- Suitable for balanced and unbalanced loading conditions
- Designed by considering all the safety precautions
- 2 Year Warranty

### Technical Specifications

#### Single Phase Operation

Voltage	: 240V AC $\pm$ 10%, 50Hz
Current	: 15A
Power	: 3.5KVAR
Loading steps	: 15
MCBs	
Current rating	: 10A (SP)
No. of MCBs	: 15 Nos.

#### Three Phase Star Operation

Voltage	: 415V AC $\pm$ 10%, 50Hz
Current	: 5A (per Phase)
Power	: 3.5KVAR
Loading steps	: 5 (per Phase)
MCBs (acts as a switch)	: 10A (SP)

#### Three Phase Delta Operation

Voltage	: 415V AC $\pm$ 10%, 50Hz
Current	: 15A (per Phase)
Power	: 10KVAR
Loading steps	: 5 (per Phase)
MCBs	: 10A (SP)
Star/Delta Switch	: 415V, 25A
MCB	: 16A (TPN)
Dimensions (mm)	: 580 W x 750 D x 600 H
Weight	: 140kg (approximate)

Note: Specifications are subject to change.

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