

THREE-PHASE VARIABLE LOAD

Mod. RLC-4/EV

INTRODUCTION

This equipment is a very versatile system for carrying out laboratory tests concerning the flows of both single-phase and three-phase active and reactive power for a total apparent power of 4 kVA.

TECHNICAL SPECIFICATIONS:

- Variable load contained in a wheeled steel framework (4 wheels, 2 of which with brakes)
- All control, protection and measurement instruments are installed on the fore panel with schematic diagram
- The three separate load sectors (R, L, C) are continuously adjusted
- Possibility of interconnecting the load sectors in (Star – Delta) configuration via a STAR/DELTA switch
- Possibility of balancing/unbalancing the load:
 - separate unbalance for each sector (R, L, C) and for each load phase
- Maximum resistive power: 0-3 kW (DC and single-phase/three-phase use)
- Maximum inductive power: 0-3 kvar (single-phase/three-phase)
- Maximum capacitive power: 0-3 kvar (single-phase/three-phase)
- This unit is equipped with all the connection and safety terminals (\varnothing 4 mm) and with cables

Instruments and other devices included in the equipment:

- 3 ammeters: range of 0-10 A
- 1 wattmeter: 0-5 kW
- 1 AC voltmeter: 0-500 v, with selector for phase-to-phase and phase-to-neutral voltages
- 1 cosphimeter: 0-1, with a switch for LAG-LEAD measurements
- Key switch, Start-Stop/emergency button
- The equipment includes all the necessary fuses for a full protection of circuits
- It also includes a protection thermal relay
- Warning lights: 2, one for FAN and one for SERVICE LOAD (energized load)
- Switches for internal/external selection
- On-off switch with protection fuse included in the equipment



Dimensions: 1050 x 730 mm
(upper fore panel with schematic diagram)
Height: 950 mm, including 4 wheels

Net weight: 120 kg

POWER SUPPLY:

Auxiliary line 230 V / PE 50-60 Hz
Power line 230/400V 50-60 Hz (*)
*other values of supply voltage and frequency are available on demand

THEORETICAL-EXPERIMENTAL HANDBOOKS

Technical handbook.