

**100kW Load Bank for generator testing**  
**100kW three phase/33kW single phase**

**Rating**

- 400V 3 phase, 50/60Hz: 100kW in 1.25kW steps
- 230V 1 phase 50/60Hz: 33kW in 400W steps

**Other AC voltages**

Lower AC test voltages can be applied; the maximum power is reduced accordingly.  
For example:

- 220V 3 phase, 50/60Hz: 28kW in 380W steps
- 110V 1 phase, 50/60Hz: 7 kW in 90W steps

**Controls**

Integral control panel with hinged lid with:

- 1 - 48mm DIN voltmeter 0-500V linear with selector switch
- 1 - 48mm DIN ammeter 0-150A linear with selector switch
- 1 - 48mm DIN frequency meter 45-65Hz
- Sockets to allow external measuring of voltage and current
- 7 - 'on/off' pushbuttons (1.25, 2.5, 5, 10, 20, 20, 40kW)
- 7 - indicator lamps, one per section
- 1 - 'on/off' pushbutton for fan control start/stop
- 1 - indicator lamp 'control available'
- 1 - input socket for external 220/240V AC supply, with automatic selection
- 1 - emergency stop button

**Resistor Elements**

Metal sheathed wire elements manufactured from high-grade nickel/chrome resistance wire in magnesium oxide insulated stainless steel tubes and 600V primary insulation.

**Cooling**

Fan cooled with a single 450mm fan powered from the test itself or an external supply. The fan is mounted in the base of the load bank and blows vertically through mesh screens top and bottom.

**Input connectors**

Four colour-coded quick-release input connectors, three phase + neutral. Corresponding female connectors can be supplied loose for fitting to customers' own cables. Optionally, made-up input cables can be supplied to order.

**Case**

The enclosure is aluminium with a steel frame, finished in red powder coat, with instructions and warning labels. The load bank is mounted on braked rubber castors and fitted with push/pull bars at the rear. The load bank should be lifted from its base.

**Dimensions**

- 1040 x 670 x 940mm high • Weight 123kg

