

# PORTABLE RESISTIVE LOAD BANK DATA SHEET

## A 100kW load bank with a low temperature gradient designed for use in data centres.

Fortress Resistors' X100F Load Bank provides a continuous load of 100kW at 415Vac 50Hz in a lightweight, indoor, portable enclosure. The digital meter allows you to measure power, voltage, current and frequency while also allowing you to record the data as you conduct your testing.

The X100F is purpose designed for use in data centres. It has a low gradient of 30°C between the inlet and outlet air temperatures to accurately replicate real world conditions for testing air conditioning systems, in addition to the data centre power supply.

The Load Bank is mounted on castors but can also be lifted by forklift when required.

The X100F is essentially 5 load banks in one enclosure with power connections made to 5 separate IEC 60309 32A 3P 5-pin sockets to match connectors commonly used in many data centres, allowing testing to be performed with existing power infrastructure.

Auxiliary power for fan and control power is taken internally from the main power supply of one of the load bank sections (always connected first).

You will be up and testing within moments of connecting your power source.

### RATING

- 415ac 3 Phase 50Hz
- 100kW with 5kW resolution

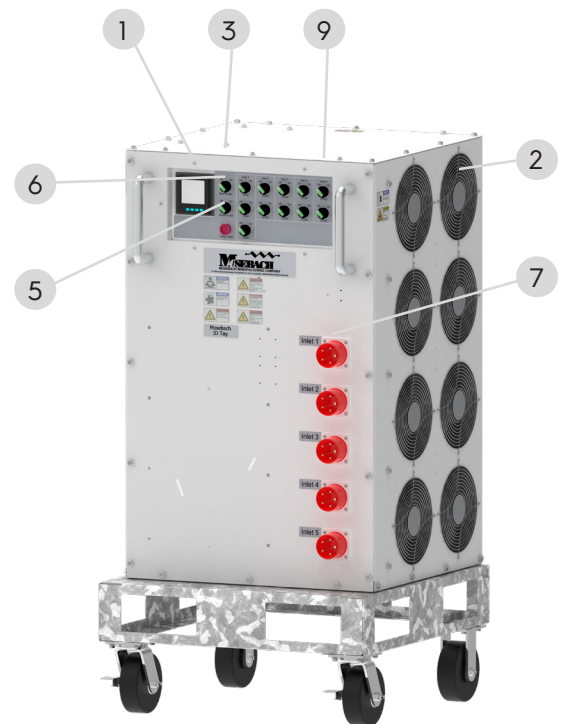
### CONSTRUCTION

- Painted galvanized enclosure with castors
- Total weight of 91 kgs
- Dimensions 750 x 750 x 1432H (mm)

### CONNECTIONS

- Power connections via 5 x IEC 60309 32A 3P+N+E IP44 Socket inlets
- Auxiliary power is internally obtained for operation of the fans and controls

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|-------------------------------|--|
| 1. Power meter                | 6. Load step master switches                   |
| 2. Air inlet                  | 7. 5 x IEC 60309 32A 3P+N+E IP44 socket inlets |
| 3. Main power switch          | 8. Castors                                     |
| 4. Air exhaust                | 9. Load step switches                          |
| 5. Over temperature indicator |  |



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## CONTROLS

- Main on/off switch allows power to the fans and meter
- Master on/off switch to control load steps
- Illuminated load switches allow you to select the load in 5kW (3 Phase) increments

## METER AND DATA

- The digital meter indicates power, current, voltage and frequency with the touch of a button

## SAFETY

- Over temperature sensor
- Built in earth connection
- Control and power fusing
- Over current protection
- Over voltage protection

## OPTIONS

- Cable/connectors set with 5, 10, or 15m lengths

