

# PORTABLE RESISTIVE LOAD BANK DATA SHEET

## The lightweight and portable 100kW load bank suitable for generator and UPS testing.

Fortress Resistors' FX100S-C Load Bank provides a continuous load of 100kW at 415Vac 50Hz in a compact, lightweight, and 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 FX100S-C is one of the lightest 100kW load banks on the market which will enable you to access locations you cannot reach with other load banks. The castors enable the load bank to be easily moved around once in situ.

Power, neutral and earth connections are easily made to red, white, blue, black and green PowerLock panel drain connectors that match line source connectors commonly used in Australia and New Zealand.

The load is star connected and the neutral is brought out to a connector to allow for the testing of single phase loads up to 33kW at 240Vac 50Hz, in addition to 3 phase loads.

Auxiliary power of 230Vac 50Hz is used for fan and control power via a 10A 3 pin socket.

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

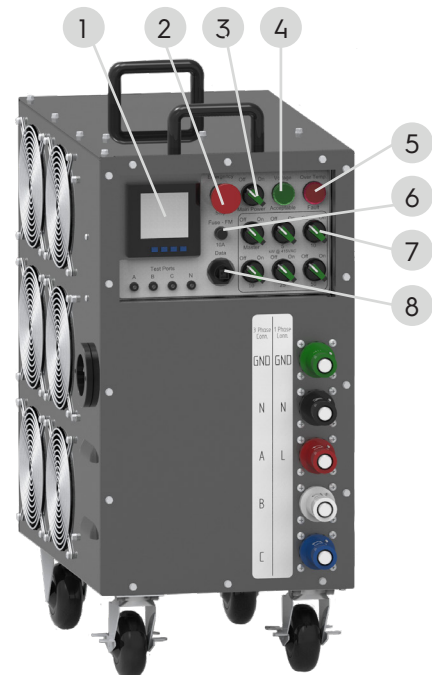
### RATING

- 415 Vac 3 Phase 50Hz
- 100kW with 5kW resolution
- 240Vac 1 Phase 50Hz
- 33.3kW with 1.66kW resolution

### CONSTRUCTION

- Painted aluminium enclosure with carry handles and castors
- Total weight of only 39 kgs
- Dimensions 355 x 630 x 760H (mm)

1. Power meter
2. E stop
3. Control power switch
4. Voltage indicator
5. Over temperature indicator
6. 10A fuse
7. Load step switches
8. Power meter USB type-B dataport



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## CONNECTIONS

- Power connections via heavy duty PowerLock 400A connectors
- 230Vac auxiliary power is provided via a separate 10A 3pin socket inlet suitable for a standard Australian 3pin plug
- Dataport connection via a USB Type-B cable

## 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

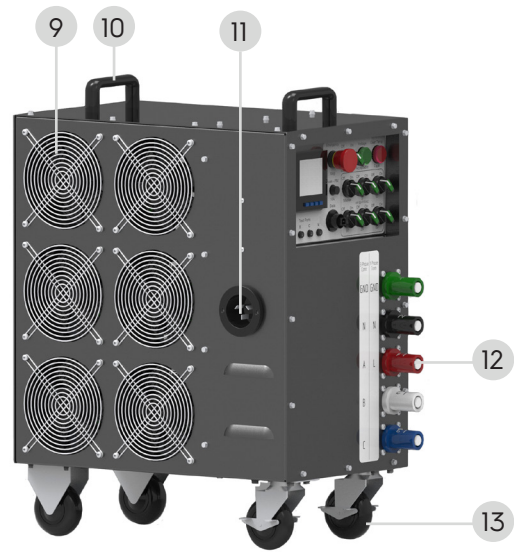
- The digital meter indicates power, current, voltage and frequency with the touch of a button
- The dataport allows you to record the testing to your laptop

## SAFETY

- Emergency stop push button
- Over temperature and voltage indication lights
- Solid earth connection via heavy duty PowerLock connector.
- Control and power fusing

## OPTIONS

- Carrying case 445 x 700 x 815H (mm)
- Set of PowerLock line source connectors
- Cable sets available in 5, 10 or 20m lengths with PowerLock line source connectors



- 9. Air Inlet
- 10. Carry handles
- 11. 10A 3pin Australian socket inlet
- 12. PowerLock 400A panel drain connectors
- 13. Castors