

# PORTABLE RESISTIVE LOAD BANK DATA SHEET

## A stackable 20kW load bank with a low temperature gradient designed for use in data centres.

Fortress Resistors' X20F Load Bank provides a continuous load of 20kW 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 X20F 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 will fit into the space taken by a standard 19" rack and is stackable to allow high power densities per rack space. Each load bank can be handled by a single person as it weighs just 27kgs.

Power connections are made with an IEC 60309 32A 3P 5-pin socket 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.

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

### RATING

- 415Vac 3 Phase 50Hz
- 20kW with 5kW resolution

### CONSTRUCTION

- Painted galvanned enclosure with carrying handles
- Total weight of only 27 kgs
- Stackable to 3 high including during operation
- Dimensions 440 x 583 x 585H (mm)

### CONNECTIONS

- Power connections via 1 x IEC 60309 32A 3P+N+E IP44 Socket Inlet
- 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. 1 x IEC 60309 32A 3P+N+E IP44 socket inlet |
| 3. Main power switch          | 8. Carry handles                              |
| 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/connector set with 5, 10, or 15m lengths

