

PORTABLE 400Hz RESISTIVE LOAD BANK DATA SHEET

A lightweight 90kW load bank suitable for load testing 400Hz power supplies on-board naval vessels.

Fortress Resistors FX090N Load Bank provides a continuous load of 90kW at 450Vac 400Hz in a lightweight, compact 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 FX090N, once removed from the protective travel case, is incredibly light at only 32kgs. It is designed to be used on-board naval vessels and to be moved through the ship, including up and down decks, by a single person.

Power and earth connections are easily made to black, white, red and green Camlock panel drain connectors that match line source connectors commonly used on-board naval vessels. The load bank is specifically designed for 400Hz loads.

Auxiliary power of 230Vac 60Hz is used for fan and control power via a 10A IEC C14 socket inlet.

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

RATING

- 450V 3 Phase 400Hz
- 90kW with 6kW resolution

CONSTRUCTION

- Painted aluminium enclosure with carrying handle
- Total weight of only 32 kgs
- Dimensions 308 x 543 x 718H (mm)

CONNECTIONS

- Power connections are via Camlock Connectors
- Auxiliary power is provided via a separate 10A IEC C14 socket inlet suitable for an IEC C13 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 6kW (3 Phase) increments

1. Power meter
2. Over temperature indicator
3. Load step switches
4. Power meter USB type-B dataport
5. Air inlet



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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
- Banana plug sockets are provided for the connection of external measurement of voltage

SAFETY

- Over temperature sensor
- Solid earth connection via easy to use Camlock connectors
- Control and Power fusing
- Over voltage protection

OPTIONS

- Carrying case 418 x 725 x 856H (mm)
- Set of mating female Camlock connectors
- Cable set with mating connectors, 10 or 20m lengths with Camlock
- Cable sets can be supplied in a separate, additional carry case if required

- 6. Carrying handle
- 7. 10A IEC C14 socket inlet
- 8. Camlock connectors

