

# Datacentre Load Bank MKIII 2kW Rack Mounted

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Mafi Mushkila Ltd  
[www.mafi-mushkila.co.uk](http://www.mafi-mushkila.co.uk)



Heat Load Unit – Front Air Intake



Heat Load Unit – Rear Exhaust

## Technical Specification:

Input: 240v 50Hz Single Phase  
Heater power: 1kW/2kW (switched)  
Fan Motor power: 10W  
Volume Airflow: 68.04m<sup>3</sup>/hour  
Typical Velocity: 2.8m/second  
Internal Thermostat: 42°C

## Dimensions:

Height: 13.1cm (EIA 210C 3u)  
Width: 48.2cm (to fit EIA 310C 19" rack)  
Depth: 23.9cm  
Weight: 3kg

A new datacentre is designed and expected to run continuously for the duration of its design life. To achieve this level of reliability it is necessary to thoroughly test the infrastructure before it goes into production. It is necessary to mimic the characteristics of the IT equipment as possible.

Using actual servers to complete the tests is not possible for a variety of reasons; cost of filling the datacentre with servers, potential for damage to IT equipment and the time it would take to reset servers after each test.

The safest and most economic way is to use a heat load bank; this provides electrical load and produces a heat load. These loads allow the testing of the electrical and cooling systems in a controlled environment.

The Mafi Mushkila heat loads are designed to be mounted into any industry standard 19-inch IT racks; each 2kW unit occupies 3U of rack space. A simulated load of 2kW to 28kW (42U rack) or 30kW (47U rack) can be achieved.

Units are supplied with C20 power plugs, which can be converted depending on the requirement to accommodate C13 or 3-pin 13Amp plug.

Units can be supplied on a rental only service or a fully managed service where Mafi Mushkila will install, manage the load banks for the duration of the testing and de-install at the end of the test.



MKI & MKII 3U 2kW Heat Loads mounted in test frame

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Datacentre Testing.  
**No problem**