

Key features

- High performance linear front airflow
- Supports up to 10kW load with ΔT of 20°K
- Noise level 60dBA
- 2U 19" unit
- Runs from 110 and 230VAC
- Requires 130mm minimum space between the front door and the panel mountings
- Fully adjustable front and rear mountings fit between 420 - 675mm verticals
- Painted steel, black RAL 9005 as standard



High performance air cooling

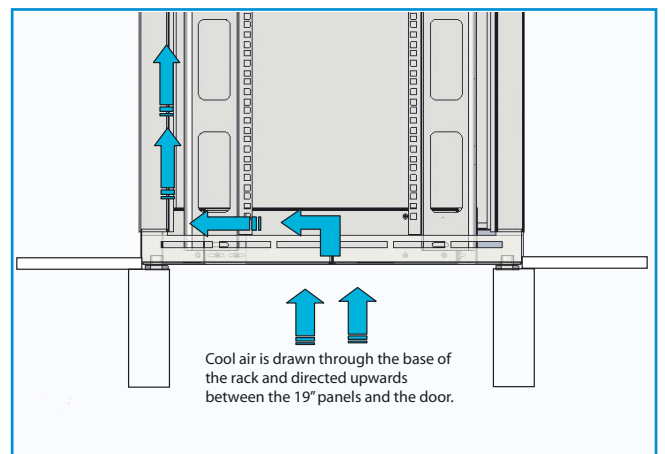
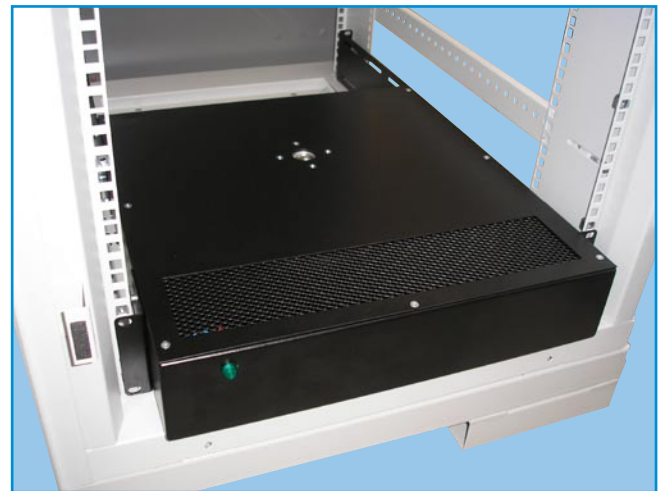
For use in high packaging density enclosures

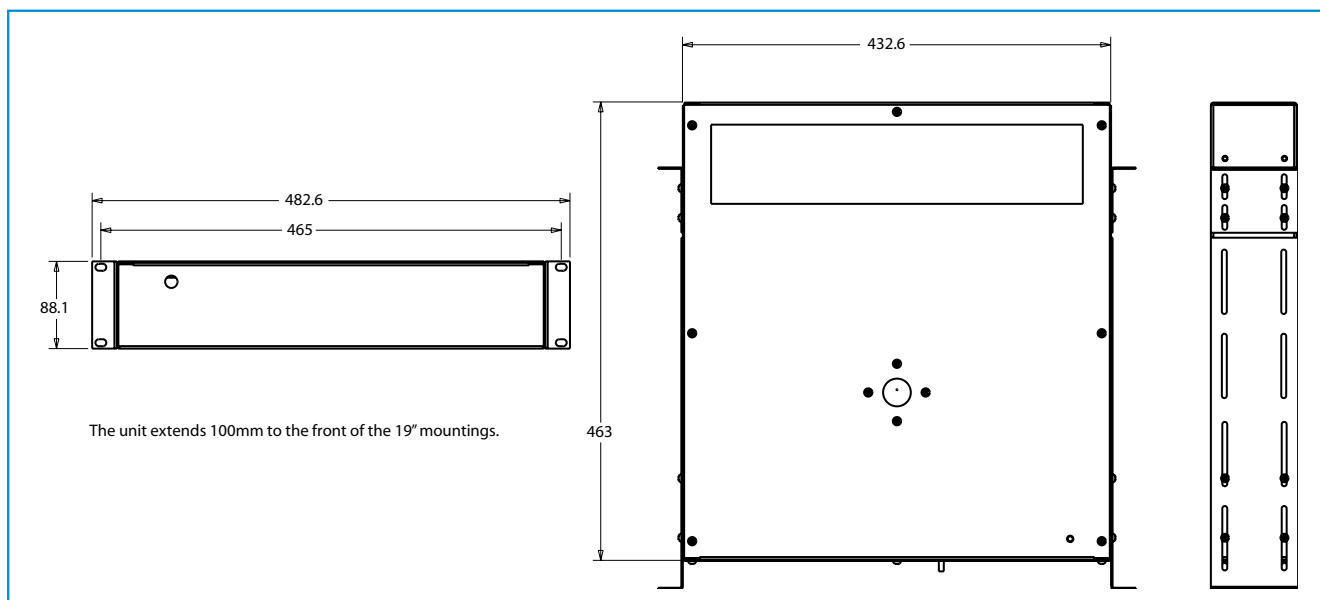
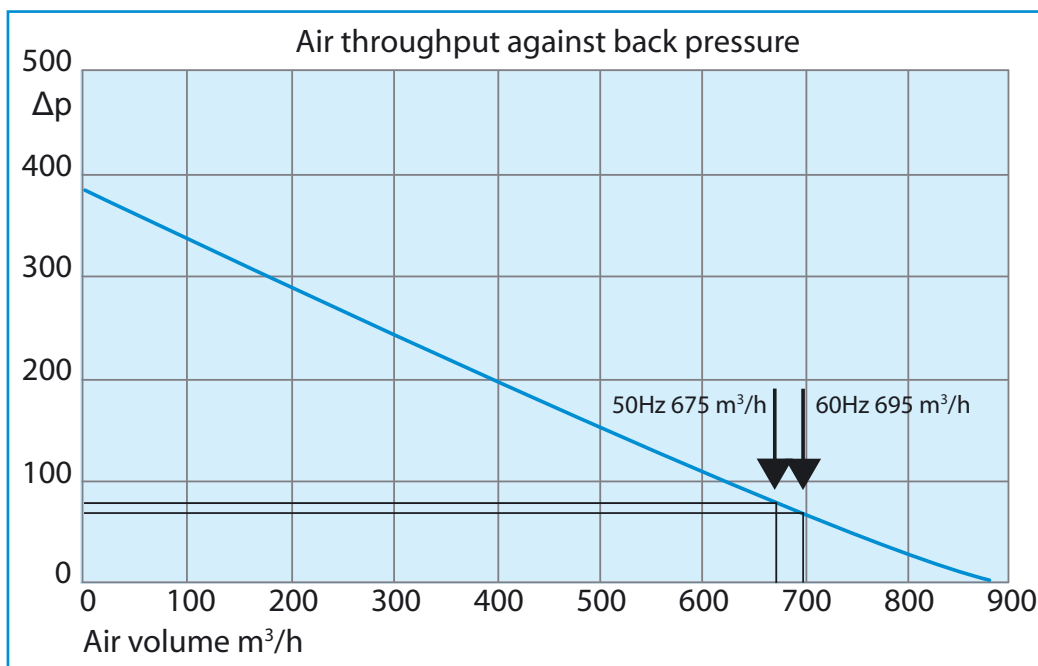
The HPFT brings a new approach to the issue of cooling server housings and other high density packaged enclosures where significant back pressure will restrict the airflow in the enclosure.

Occupying the lowest 2U of the enclosure, the HPFT draws cooled air through the base of the enclosure by means of a powerful backwards curved centrifugal fan, either from the underfloor cable void or, if the rack is positioned on a solid floor, from below the unit. The output of the unit is directed upwards at the front of the enclosures in a linear stream across the full 19" width of the rack. The unit's output in free air is 860 m³/h, a sufficient volume to give a significant amount of clean, cooled air even at the top of a 42U rack. The vertical linear airflow is contained within the space in front of the panel mountings of the rack by the use of a solid front door and infill panels to the sides of the 19" area if required; the servers then draw in the cold air from the front using their own internal fans, exhausting to the rear in the normal way. To ensure maximum efficiency, unused U spaces should be fitted with blanking panels to avoid leakage of the cold air.

The unit offers a number of advantages over alternative technologies:

- cooled and filtered air is delivered directly to the server cooling fans
- servers in the upper part of the enclosure are not starved of cool air
- the rack cooling does not have to be altered when servers are added, moved or removed from the enclosure.





Order Codes

HPFT230 230VAC 50Hz 675m³/h maximum

HPFT115 115VAC 60Hz 695m³/h maximum

RoHS Compliant

CE Approved

Height	2U
Width	19"
Weight	8.1Kg
Mounting	EIA310D 19inch compliant
Mounting range	420 – 675mm
Finish	Black RAL 9005
Power Indicator	Lit green when powered
Warranty	12 months