



HCM AIR REMOVAL UNIT (ARR)

Designed to improve air-flow through densely packed datacentre enclosures, thus improving cooling for the contained equipment for optimised efficiency and reduced downtime.

The HCM Extraction Units mount to the back of the 600mm x 600mm Rack enclosures and makes use of automatic fan and temperature control, increasing or decreasing the air-flow rates to match a user-adjustable setpoint.

With capability for up to 3 or more temperature probes, various locations within the enclosure can be monitored to prevent hotspots within the enclosure and all setpoints and alarms are easily accessible from an integrated LCD display for ease-of-use.

The integrated network management card allows for remote monitoring and control. BMS connectivity is available for remote monitoring and control of the units.

STANDARD FEATURES

- Designed for high-density IT racks, the HCM Extraction Units captures exhaust heat and redirects it back to the plenum, helping to eliminate hot spots
- Automatic temperature-based fan control: its fan speed self-adjusts depending on rack temperature to optimize performance and energy usage.
- Zero U-space design: mounts on the rear of 600mm x 600mm Rack or VX enclosures without using any rack U, preserving valuable rack space.
- Redundant, fault-tolerant fan system: if one fan fails, the others continue to operate.
- Dual power inputs (A-B): allows for redundancy in power feeding, improving reliability in data center environments.
- Local and remote monitoring: features an LCD status/control panel and an integrated network management card (supports SNMP, HTTP, etc.) for remote control and alerting.
- High airflow: delivers up to 1,600 CFM (about 755 L/s) with both upflow and ducted discharge options.

