HEAT MANAGEMENT
SYSTEM

Product Features
Innovative, Scaleable, Efficient, Economical

The new CableTalk® HMS (Heat Management System) is an innovative, scalable and low cost solution for the control and containment of hot exhaust air.
The HMS contains and directs the hot exhaust from your IT equipment to the top rear of the cabinet where it is ducted to your precision air conditioners through ceiling plenums or high air returns. This effective solution prevents efficiency robbing problems like bypass airflow or the dilution of the exhaust air to improve cooling efficiency.

Fan Enclosures
Benefits

• Maintains Zero Static Pressure - These fan enclosures are designed to continuously balance the internal environment to maintain zero or neutral static pressure allowing for optimal airflow without increasing stress on internal server fans.
• Field Retrofitable - The HMS chimney can be retrofit to our standard frame simply by removing the existing panels and by adding the chimney. No cutting or drilling is required.
• The fan modules are hot swappable to avoid costly down time.
• The HMS design allows for overhead cable management in the trough system at the front of the cabinet.

Specifications
• Standard height: 83" (44U-space)
• Widths: 24" & 30"
• Non-stock Depths: 30" & 48"
• Non-stock heights: 35", 48", 59", 72" & 96"
• Depths: 36", 42"
• Color: Black
• EIA 310-E compliant for 19" equipment
• Mounting Rails: 1) 0.375" square hole (hardware available at additional cost)
                   2) tapped rails available
• Two enclosure fan kits per cabinet • Passive system (without fans)
  Single phase, 120V or 230V
  230W total power consumption

Available Accessories
Bottom Panel Kit

Two piece panel assembly that covers the bottom of the cabinet to prevent airflow into and out of the cabinet through the base
• Includes mounting provisions for Caster Kit (available)
• Brush-sealed access port for cable entrance/exit

Air Dam Kit

Blocks airflow between mounting rails, sides, top and bottom, route chilled air into equipment intake and prevents recirculation of hot exhaust air inside the cabinet space
• Attaches directly to frame side rails
• Various sizes available to match configuration

Cable Management

Various designs of vertical cable managers are available depending on the needs of the configuration. Vertical managers mount directly to the inside of the cabinet frame horizontal stiffeners with no fixed position allowing for flexibility to match internal component layout

Airflow Deflector

Directs hot exhaust air from the bottom mounted components to the top of the cabinet
• Attaches directly to 19" EIA mounting rails behind your IT equipment without interference

Caster Kit

Allow for ease of movement during cabinet layout/installation phase. Levelers included in cabinet frame to prevent movement after cabinet is situated
• Front casters swivel, rear castor fixed
• Increase cabinet height by 1" (25 mm)

Heat Containment Capabilities
Rack Cooling Capacity IT Equipment ΔT*

Feature	Max. Power	ΔT*
Perforated Door	9kW	42 °F
H-Series without Fans	15kW	42 °F
H-Series with Fans**	20kW	+ 45 °F

* Increase or change in air temperature is referred to as Delta T (ΔT). Maximum rack cooling capacity is dependent on the IT equipment ΔT that resides in the enclosure.
**Maximum Airflow Rate: 1400 CFM @ max RPM

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