

Great Lakes Case & Cabinet Co. Inc.



Thermal Management Solutions

Cooling solutions are based on Hot aisle-Cold aisle design.
Air guard cable seal and blanking panels are recommended in all phases.

Snow Flurries

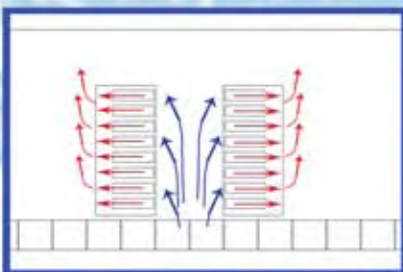


- ❖ Passive Cooling
- ❖ Perforated Top Panel
- ❖ Mesh Front Door
- ❖ Mesh Rear Door
- ❖ This option utilizes servers own cooling fans.
- ❖ Waterfall & rear vertical cable management
- ❖ 2-20 amp power strip 16 outlets each

Snow Squalls: 4-6KW



- ❖ Active Cooling
- ❖ Solid Top Panel
- ❖ Mesh Front Door
- ❖ Beveled Mesh Rear Door with exhaust fans
- ❖ 65° Ambient Air Temperature
- ❖ For increased cooling add 7217ECS Delphi Blower
- ❖ Waterfall & rear vertical cable management
- ❖ 2-20 amp power strip 20 outlets each
- ❖ This solution achieves 4-6 KW

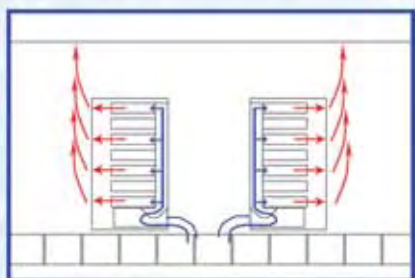


Note: Actual performance may vary depending on equipment layout and ambient temperature. Higher ambient temperatures will reduce heat dissipation, resulting in higher internal cabinet temperature.

Lake Effect Snowstorm: 8-10KW

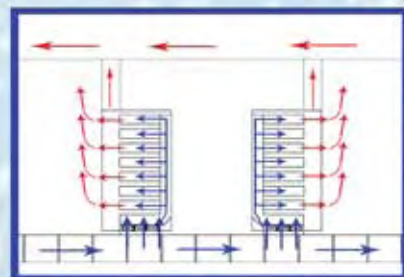


- ❖ Active Cooling
- ❖ Solid Top Panel
- ❖ Patented Plexi Front Door
- ❖ Beveled Mesh Rear Door
- ❖ Patented Blower
- ❖ Patented Plenum/Air Chamber
- ❖ 65° Ambient Air Temperature
- ❖ Increase cooling with optional exhaust fans on rear doors.
- ❖ 2 Vertical Cable Managers
- ❖ Connectivity & Power Separator
- ❖ 2-20amp-3phase pdu 30 IEC outlets
- ❖ Remote Environmental Monitoring-temperature, humidity, airflow, sound, light.
- ❖ This will achieve 8-10KW



Blizzard: 17KW+

- ❖ Active Cooling
- ❖ Solid Top Panel
- ❖ Plexi Front Door
- ❖ Mesh Rear Door
- ❖ Blower
- ❖ Patented Plenum/Air Chamber
- ❖ Optional Chimney
- ❖ 55° Conditioned Air Temperature
- ❖ 4 Vertical Cable Managers
- ❖ Connectivity & Power Separator
- ❖ 2-20amp-3phase dual circuit pdu 48 IEC outlets
- ❖ Remote Environmental Monitoring-temperature, humidity, airflow, sound, light.
- ❖ This will achieve 17KW and higher



Cabinet Accessories

The Air Guard Cable Seal provides an immediate "energy-savings" benefit. It significantly reduces cool air loss while improving the static pressure to cool data center equipment which helps prevent expensive "IT" equipment from overheating.



Environmental Monitoring

- ❖ Top to bottom temperature monitoring
- ❖ Humidity
- ❖ Water
- ❖ Door Entry
- ❖ Airflow
- ❖ Smoke
- ❖ Static Pressure
- ❖ Power
- ❖ Camera

There are 16 remote sensors available per unit.



Power Distribution

- ❖ Local Monitoring
- ❖ Remote Monitoring
- ❖ Remote Re-Boot Control
- ❖ 15 Amp, 20 Amp, and 30 Amp
- ❖ NEMA and IEC Connectors
- ❖ Rackmount & Vertical PDU's
- ❖ Single and Dual Power Feed
- ❖ Digital Display
- ❖ User Friendly Software