



Triad ICE™ Airflow Panel

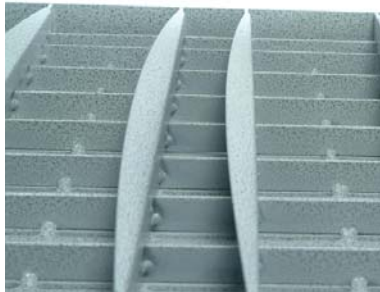
The Triad ICE™ Airflow Panel is a specially designed floor grille that features a unique Hi-Plume Stratification Fin. This fin increases cooling capacity and lowers server temperatures by 5 - 15 degrees Fahrenheit. The effect of this temperature decrease is an energy consumption drop of 4% for every degree Fahrenheit lowered!



The Triad ICE™ Airflow panel has been created to efficiently direct air to the servers. This cooling tile is designed to cool with as little wasted air as possible. The Uptime Institute tested traditional raised floor cooling and found only 28% of the air coming out of the tile actually goes through the servers. Triad Airflow panels redirect and concentrate the air to the server. This leads to better cooling with less air.

Triad has three performance parameters that can be captured in this temperature testing:

- Removes the short cycle that is prevalent in flat bottom tiles. This lowers the temperature of air coming out of the tile by 2 degrees celsius.
- Disperses the air into the server. This improves the mass flow rate through the server.
- Stratifies to 2.1m / 7' enabling you to cool the upper servers.



The Triad Airflow Panel is Different

The Hi-Plume Stratification Fin is scientifically designed to not only create positive airflow across the entire tile; the curved shape also creates a dispersed pattern of airflow out of the top of the tile. The effect "bends" the air outwardly allowing it to flow into the servers and reach servers at the top of the racks.

Features & Benefits

- 600mm x 600mm Heavy duty steel airflow panel with TopSat Leveler.
- Level can be adjusted both vertically and horizontally to allow a flush mount to the existing raised floor.
- Load rating of 680Kg (1,500lbs).
- Dual Lift-n-Lock integrated handles eliminate the need for suction cup lifters.
- Optional dampers and baffles can be fitted for greater airflow control.



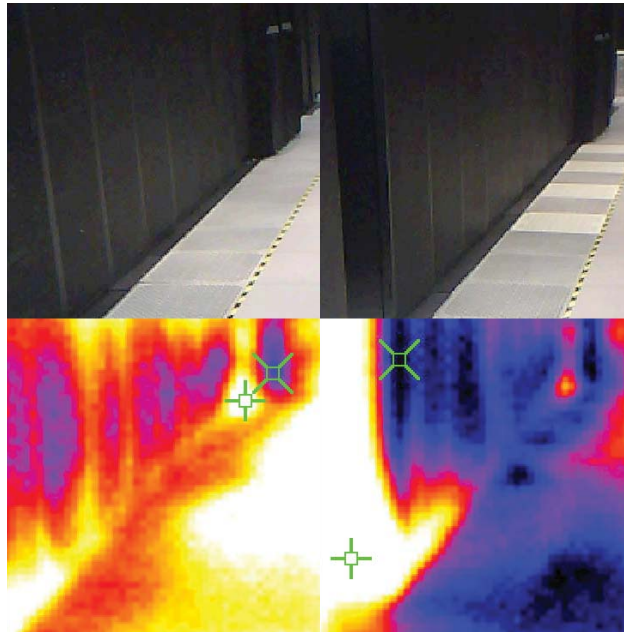
TRIAD - More Than Just A Floor Grille

- **Delivers Air To Full Rack Height.**
- **4% Energy Cost Saving for Every Degree Fahrenheit Lowered.**
- **Run CRAC Units More Efficiently.**



Before Installation

This thermal image of a row of racks, shows the amount of heat radiating from the servers despite a full row of 56% open floor grilles.



2 Minutes After Installation

In this thermal image just three Triad ICE™ Airflow Panels have been inserted into the row, the results are drastic. After just two minutes the cooling dispersion from the three panels creates a 360° dispersion pattern and a balanced stratification level that reaches the top of the rack.