

Rack Conversion Kits

Geist offers a variety of rack conversion kits for containment cooling. Each kit is designed to be specific to the rack in your data center, providing maximum efficiency and flexibility. Rack conversion kits are used with Geist's ActiveAir™ solutions to ensure proper airflow management within a rack or row of racks.

Available Options include:

- Rack top panels, to allow for a rack chimney to be added to an existing rack
- Rack containment plenum solutions, for use with multiple racks within a row

Rack Conversion Kits are available for:

- Retrofitting data centers for Geist ActiveAir containment cooling
- A new build data center and rack manufacturers are unable to supply solid rear doors and/or top panels to accept the ActiveAir solution

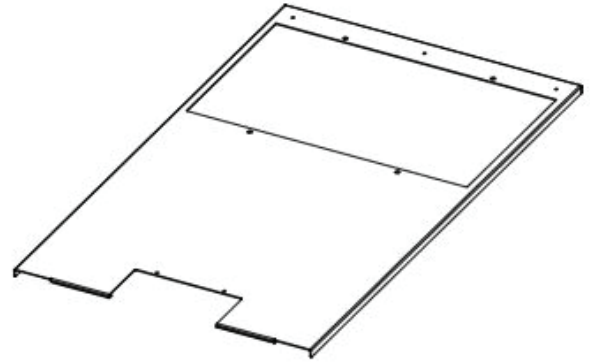
Limit the Need for Supplemental Cooling

A key benefit of implementing Geist Cool solutions is the result of needing fewer cooling units within the data center. With efficient airflow management, cooling unit runtime is lowered and the data center becomes more efficient.

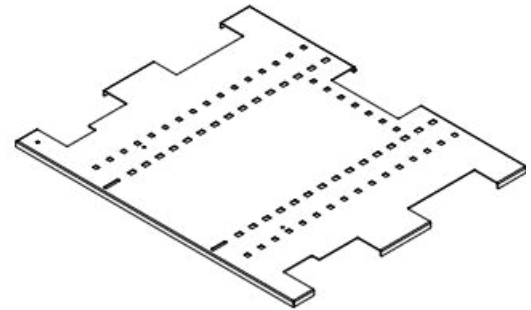
Benefits to Efficient Cooling

- Achieve improved cooling utilization with zero-waste cooling and the lower PUE
- Raise supply air temperature
- Raise entering water temperature
- Maximize free cooling hours

ActiveAir with Rack Conversion Kits allow you to deploy more IT racks without heat issues and intelligently manage data center growth.



Example of a top panel designed to fit an existing rack



Example of a top panel designed to fit a custom rack

Why Choose Geist Cool?

Stabilize your IT intake air temperature to within a few degrees of the supply air temperature at all points in your data center.

Reduce total data center fan power consumption and improve server fan efficiency.

Adjust cool air delivery to IT demand as airflow demand dynamically changes.

“We’re putting Geist Cool on all new racks coming into our high-density area.”

- Mitch Martin, Oracle Chief Engineer

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