

energy efficient



At Great Lakes Case & Cabinet Co., Inc. we are always looking for new and innovative ideas to help meet our customers' **energy efficient** needs. We know you don't have a lot of time to spend trying to fix problems, so we've compiled our most useful solutions to fit into the palm of your hand, available when you need it.



Carrie & Rob
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Lowther



Great Lakes Case & Cabinet Co., Inc.

**energy
efficient
SOLUTIONS**



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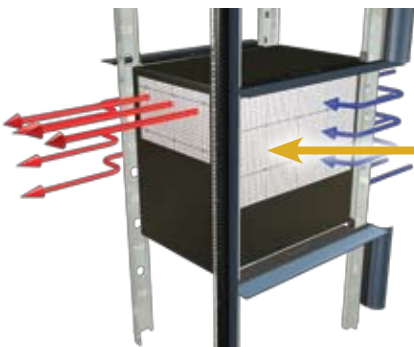
energy efficient SOLUTIONS

1. The Brush Grommet Kit provides an easy way to direct conditioned air and to facilitate cable management in the front of an enclosure, while restricting the recirculation of hot air.



Part #BGRK-24 or #BGRK-30

2. Great Lakes developed the Side Air Flow Plenum Kit to better facilitate air flow and the cooling of side-to-side airflow equipment. This "Cisco" solution directs airflow where needed while minimizing bypass within the enclosure.



Part #SAFPL

3. Operating an enclosure on **Three-Phase Power** can significantly reduce the amount of wiring and total number of power strips, increasing the open area within the enclosure and improving airflow. Three phase power delivers cost savings in wiring and power strip consolidation while greatly increasing the overall amount of available electrical power for use within the enclosure. Please call 1-866-TRY-GLCC to discuss your three phase power needs.



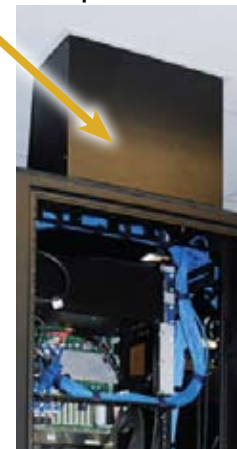
For the past several years, Great Lakes has been working on the concept of "Accelerated Ambient Cooling" whereby the ability of existing air in the data center is focused, directed and accelerated in order to maximize its cooling capabilities within the enclosure. The following are just a couple examples of this concept at work:

4. The Adjustable Air Diverter sits on the raised floor and controls the flow of air coming into the bottom of the enclosure, building up pressure and increasing air flow, where needed, in the front of the enclosure. This effect can be further amplified through the use of a high-efficiency fan unit which minimizes electrical draw and ensures long term performance.



Part #ADES

5. At the top of an enclosure, a chimney can segregate the hot air directly to the ceiling CRAC (computer room air conditioner) air return.



This closed loop system improves the overall efficiency of CRAC unit and the entire data center. This design also stops hot air re-circulation to the front of your enclosure. **Chimneys are made to fit your application and are site specific. Call GLCC for details.**