BAC is the leader in “green technology” providing the most energy efficient evaporative heat transfer products.
... because GREEN MATTERS
Green Facts

**Evaporative cooling = Lower kWh**

Evaporative cooling combined with air convection is a much more effective way of cooling compared to cooling by air only, resulting in lower energy consumption.

**Lower kWh = Reduced global warming**

Lower energy consumption of a water cooled system, reduces the emission of green house gases by power plants using fossil fuels.

- Electricity generated from burning fossil fuels accounts for 52% of the total U.S. electrical generation and produces approximately 2.2 billion tons of greenhouse gases annually.
- Energy consumed by an HVAC system may account for up to 50% of facility’s total electrical consumption.
- Switching from a 300 ton air cooled system to a water cooled system reduces energy usage by approximately 35%.
- The reduction in greenhouse gas emissions equates to removing 76 cars off the road.

**Evaporative Cooling and Ice Thermal Storage reduces peak energy demand**

Evaporative cooling and ice thermal storage systems provide opportunities to lower energy usage and peak energy demand.

**ICE CHILLER® Thermal Storage Units:**

- Store cooling capacity during off-peak hours, reducing the system’s peak electrical demand and taking advantage of lower energy costs.
- Benefit the environment by taking advantage of:
  - Lower green house gas emissions generated by power plants at night
  - Higher efficiency energy transfer through power lines due to lower outside temperatures.
64% recycled content

The materials include:
– Steel used in structures
– PVC in the fill and piping
– Aluminum in sheaves
– Copper windings in electric motors

Locally sourced units

Three strategically positioned manufacturing facilities allow for short delivery distances and reduced emissions from shipping.

Code compliant towers

BAC products are designed based on the most current codes.

• All BAC cooling towers are CTI certified and meet or exceed the ASHRAE 90.1 standard, assuring high energy efficiency and environmental friendliness.

• The standard PT2 and Series 3000 Cooling Towers meet IBC guidelines and may be specified for critical installations with an importance factor of 1.5, allowing the use of environmentally friendly, evaporative cooling equipment almost anywhere in the world.

• Sound reduction options decrease noise pollution.

Water saving hybrid equipment

HXV, hybrid cooling towers utilize “dry/wet” operation resulting in reduced water consumption versus conventional evaporative cooling.

BAC equipment may help earn LEED® credits

Utilizing BAC's innovative evaporative cooling, ice thermal storage or water saving hybrid cooling equipment can help a building earn LEED® credits.
By printing this job as a green certified product, Baltimore Aircoil Company saved 916 lbs of uncoated 100% Post Consumer Recycled Paper which equals:

- 2 full grown trees
- 2,760 lbs of wood
- 1,595 gallons of water
- 262 lbs of landfill waste
- 999 lbs of net green house gas emissions
- 6,061,809 BTU’s of energy

*Environmental impact estimates were made using the Environmental Defense Paper Calculator. For more information visit http://www.papercalculator.org

Contact your local BAC Representative for more information

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