



2005
CLIMATE PROTECTION AWARD

YORK International

In recognition of exceptional contributions
to global environmental protection.

Stephen L. Johnson
EPA Administrator

YORK® honored with EPA Climate Protection Award

YORK® was honored with a 2005 Climate Protection Award from the U.S. Environmental Protection Agency (EPA). The award recognizes YORK for its pioneering work and ongoing development of electronic variable-speed-drive (VSD) technology and its dramatic energy-saving capability when applied to chillers.

YORK was the first manufacturer to introduce and actively promote the application of VSD technology for chillers. YORK applied its first VSD to a chiller in 1979 and has since installed over 5,000 VSDs worldwide.

Environmental Impact

The application of variable-speed drive typically will reduce annual energy consumption of a chiller by 15–30%, based on total kWh consumed per year. It has been established that the largest

contribution to green-house gas emissions from properly maintained chillers is the indirect effect due to electricity consumption.

Since 1979, YORK has installed over 5,000 VSDs worldwide

Annual energy savings of 15–30% mean a significant reduction in CO₂ emissions, resulting in substantial climate protection. Since YORK pioneered the technology, the HVAC industry has provided over 6,000 chillers with variable-speed drives, representing an estimated reduction in total CO₂ emissions of over 400,000 tons per year. According to the U.S. Climate Technology Cooperation Gateway's website calculator, this is approximately equivalent to 78,544

passenger cars not being driven for one year or the electricity use of 46,582 homes. This technology, combined with YORK's use of zero-ozone-depletion-potential HFC-134a refrigerant, provides the most efficient and environmentally friendly chillers available.

Status of VSD Chiller Technology

Today, YORK is still leading the way in VSD application innovation. In 2004, YORK introduced an air-cooled screw chiller equipped with VSD.

YORK also offers VSDs for retrofit for many name-brand chillers.

For more information on YORK VSDs, or to locate your nearest office, go to www.york.com, or call **800-861-1001**.



A significant percentage of new centrifugal chillers from all manufacturers are equipped with VSD devices, including over 70% of YORK MAXE™ centrifugal chillers in the applicable size range.



YORK's Latitude™ chillers are the first air-cooled screw chillers available with VSD. They are the highest efficiency air-cooled chillers in the world.

