

# NYB is the New Compact Free-Cooling Unit from Aermec

## **Application**

The NYB is the first modular chiller with integrated free-cooling coils that meets AHRI standards and New York City codes. The NYB is also available as a modular chiller only and is also available with combinations of free cooling chillers along with chillers only to suit your needs. It is important to note that free cooling can save in excess of 20% on utility bills.

## **Innovation, Value and Market Impact:**

Its micro-channel condenser coils provide a 40% lower charge of R410A refrigerant.

Every module goes through a functionality and performance test at Aermec's AHRI certified test chamber before leaving the factory. Factory witness tests are available upon request.

The NYB is the most compact integrated free-cooling chiller in North America and easily fits through doors and into elevators.

Extensive acoustical testing has allowed sound level reductions through compressor enclosures and specially designed low noise, inverter driven fans. Also, the Night Mode program offers significant noise reductions during crucial night hours.

## **All the Benefits of a Single Large Chiller**

When interconnecting multiple NYB modules, you obtain all the benefits of a single large chiller up to 255 tons, with 18 compressors, 18 refrigerant circuits and 9 free cooling circuits offering 5.5% cooling steps. The microprocessor optimizes these to achieve the desired temperatures while modulating partial load savings across the multiple cooling steps. Meanwhile, each single unit is still able to act independently.

The modular concept provides added benefits of single unit functionality with high efficiency performance and has optional partial heat recovery when in mechanical cooling mode. Modules with integrated free cooling can be used in conjunction with mechanical cooling only units to customize the offering as the building requires. The NYB will bring savings year around as the eco friendly design will add more value to the project.

The NYB unit is changing the view on how the free cooling chillers are made. The fact that it meets the AHRI minimum standards for chillers is a major advancement in the integrated free cooling industry, which will motivate the manufacturers to even go further. Efficiency and environmental responsibility are becoming more of a concern in today's world and the NYB is at the top of both of these categories.

Learn more about the NYB unit at [www.aermec.us](http://www.aermec.us)

