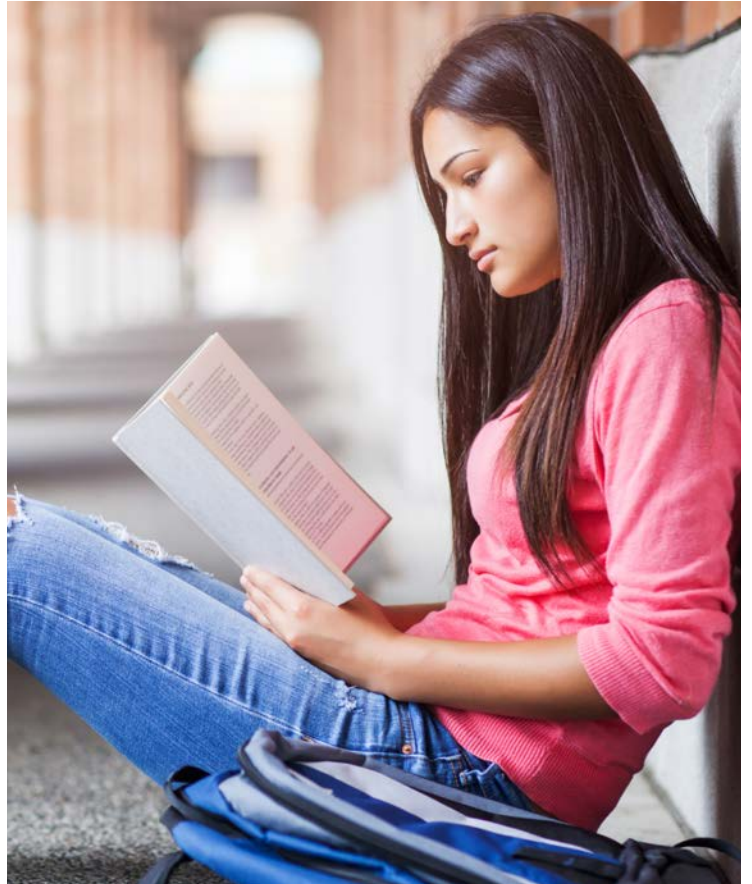




INSTALL CONFIDENCE



YORK® SOLUTION™ AIR HANDLING UNITS

High-performance indoor and outdoor air handling units
from 2,000 – 120,000 CFM



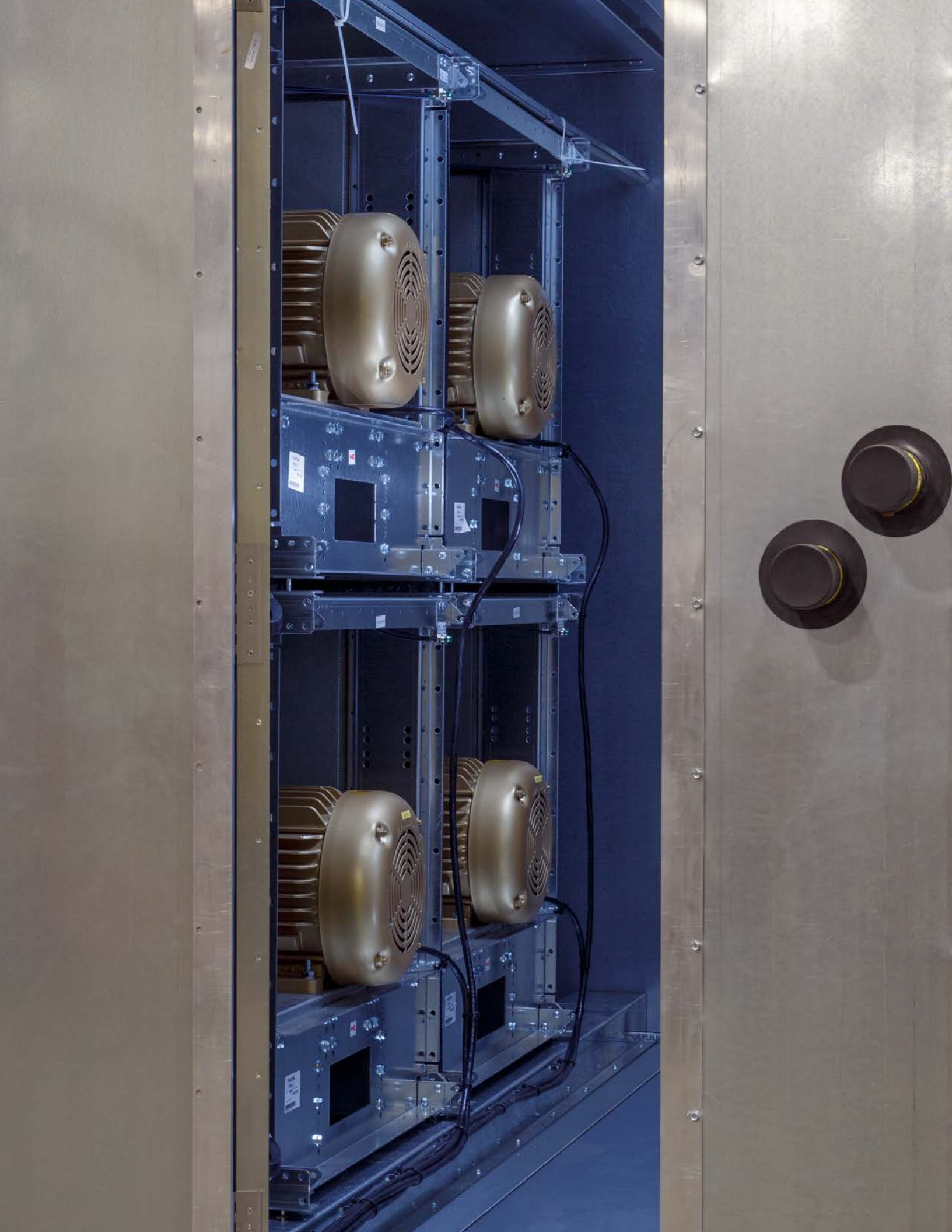
From healthcare to higher education, from office buildings to data centers – every project is different. Not every project requires the cost or complexity of a custom air handling unit. With YORK® Solution™ Air Handling Units, you get the selection flexibility and performance of a custom system with the reduced lead times, easy specification and cost-savings typically found in cataloged air handlers.



Incomparable Flexibility

The variable aspect ratio design of YORK® Solution™ allows for nearly endless configurations that are scalable in 3" height and width increments – from 27" x 27" up to 144" x 288". This highly adaptable design optimizes the system footprint, freeing up valuable space within the facility. The flexible nature of Solution™ doesn't end with cabinet sizing. YORK® Solution™ is available in airflow capacities from 2,000 to 120,000 CFM (@500 FPM coil face velocity). Solution™ offers a wide range of component and material choices, including:

- Chilled water, hot water, glycol, steam and direct expansion (DX) coils in stacked, split, staggered, run-around and wrap-around arrangements
- Stainless-steel interior panels
- Structural steel unit base
- Piping on either or both sides of the cabinet
- A choice of corrosion-resistant coil coatings, copper fins and stainless steel coil casings for maximum durability in any location
- Electric and indirect, gas-fired heating options
- Multiple filtration options, including:
 - MERV 1 through 18 (HEPA 99.99%) media
 - 1", 2" and 4" thickness
 - Cleanable, washable or throwaway
 - 12" or 21" bags
- Gas Phase
 - Photocatalytic oxidation (PCO)
 - Activated carbon
 - Bi-polar ionization
- UV lights for coil surface decontamination or airborne disinfection
- Airside economizer systems and energy recovery components
- Flexible, factory-packaged controls with optional Metasys® BACnet controller

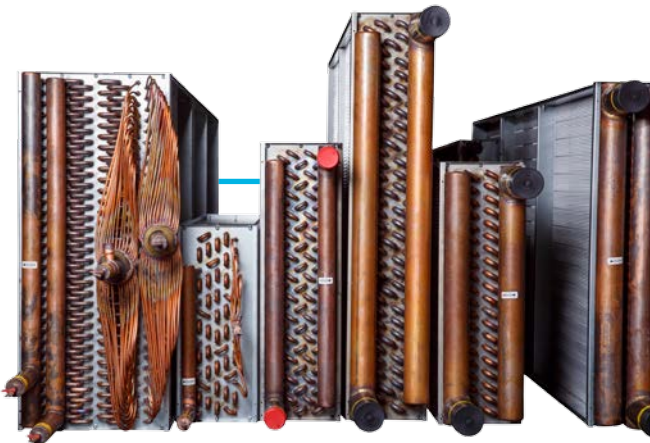


Unmatched Efficiency

Designed for sustainability, our focus on efficiency and energy conservation dates to our invention of the first electric room thermostat in 1885. Today, we're committed to providing environmental stewardship and a lower total cost of ownership through efficiency and sustainability-based design.

By incorporating a series of extensively researched, efficiency-enhancing technologies, YORK® Solution™ punches above its class in any size or configuration:

- Air-side economizer systems using our *Ruskin*® brand dampers provide airflow control to bring in cool, outside air ahead of systems that require more energy
- Direct-drive, variable speed fan systems optimize wire-to-air efficiency
- Factory tested for guaranteed low air leakage
- YORK® coils are engineered and manufactured to meet your specifications and to connect seamlessly with YORK® chillers and direct expansion (DX) condensing units



Superior Support

At the end of the day, you need an air handling system that works, and a team that knows exactly what's needed to support your facility. With YORK®, you get a support team that is a direct extension of the factory. Through our Building Solutions group, our sales offices and agents form an industry-exclusive network spanning more than 200 locations throughout North America.

- Our application engineers work directly with our sales teams to deliver the right system for every need



- Multiple brands and types of energy recovery wheels utilize the highest efficiency technologies available for the transfer of energy when free-cooling from water-side or air-side economizer systems are not feasible

Extensive, ongoing research from our world-class YORK® air handling laboratory provides unmatched airflow, sound and power validation for efficient performance in every application.

- Our service technicians are all factory-trained to work on our units
- We provide a single point of contact through a local Building Solutions branch office
- Retrofit-friendly systems are specifically Engineered for Site Disassembly (ESD™) with expert installation supervision through our local branch service and dedicated Airside Technical Support (ATS) teams

We realize our air handling systems are only as good as the men and women who stand behind them. And that's why we're proud to say YORK® delivers industry-leading performance and expert service with every Solution™ air handler we build.

Industry-leading Innovations

YORK® is the market-leader in fan performance and acoustic testing, and is home to the largest air handling unit sound and air performance test facility in the world. It should come as no surprise that Solution™ is packed with a combination of innovative features only YORK® could deliver:

- Exclusive, integrated Metasys® building management technologies provide control over how and when systems are running, including scheduling, occupancy detection and trend summaries
- Standard Building Information Models (BIM) to aid in design and engineering
- Premium, permanent-magnet EC motors are a standard offering that allow our systems to be more energy efficient, require less effort to install and commission and reduce the overall equipment footprint
- An array of AMCA-certified fan options are available to customize Solution™ for performance, efficiency, acoustics, size, serviceability and redundancy
- Service-friendly features including slide-out coil stacking racks with removable coil pull wall panel, raised coil supports for easy drain pan access, motor removal rails, inward-swinging doors and inside door handles
- Proprietary Acoustiweir™ technology minimizes sound in critical frequencies while enabling a more compact air handling system footprint
- Advanced, ETL-listed factory-integrated electrical features include:
 - Individual motor disconnects
 - Interior LED lighting for multiple fans
 - Single-point power
 - DDC controls
 - Interior LED lighting
 - Single or redundant motor controls
- Two-inch double-wall construction with EcoMate® injected foam insulation
- Health-minded options including UV lighting, antimicrobial coatings and multi-sloped drain pans
- Stainless-steel liners ensure longevity and reliability in more extreme environments
- Structural steel bases reduce rigging effort while allowing for larger, one-piece units

The future of flexible, innovative and feature-rich air handling systems has arrived, and YORK® Solution™ is leading the way.

World-class Quality

YORK® Solution™ air handling units are designed to make your HVAC system last longer – and provide a better value. All units are ETL-listed and bear the ETL certification mark. Every fan and motor is factory-balanced to ensure minimal vibration. We meet or exceed Miami-Dade County and Florida Building Code hurricane-rated requirements and maintain stringent IBC and OSHPD seismic certifications. We design, engineer and assemble our systems in the United States. And to ensure maintenance is simplified after the system is installed, we offer convenient motor removal rails and a coil pull panel for easier maintenance. On outdoor units, an external access pipe chase is available to make on-site service easier than ever. And we back it all with the best standard warranty in the industry, including a full year of coverage on both parts and labor.

How do we do it? We test our designs in our AMCA-accredited laboratories per AMCA 210 and AMCA 300 to confirm performance. We also certify the performance of every unit per the methods of



AHRI 410 and 430 to correct for cabinet and system effect, ensuring you get real fan and motor performance data – including factory-tested maximum leakage rates per SMACNA guidelines. And we provide sound data for every model of our Solution™ air handlers per AHRI 260, the only standard recognized in the industry for accurate prediction of air handling sound pressure. Depending on the application, our systems are certified according to standards including:

- AMCA 210 and 300
- AHRI 260, 410 and 430
- ASHRAE 62 and 90.1
- IBC and OSHPD seismic
- SMACNA leakage





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