
The Carrier AHUBuilder® software makes selecting and optimizing the Aero 39M air handler easy, allowing HVAC engineers to model refrigerant-based cooling systems with confidence, generating a cross-plot to help determine the most efficient system possible. AHUBuilder software also enables the user to select fan systems at full- and part-load for performance and sound. This feature allows the selection of the most stable, most efficient and most quiet fan within our product offerings.

To ensure onsite performance, each Aero AHU’s entire operational functions are tested at the factory. All structural and operational components undergo rigorous testing protocols, including rain-testing of all outdoor units.

AERO® 39M Benefits at a Glance

For Building Owners and Managers
- Easy to maintain
- Reliable performance
- Outstanding life cycle cost
- Advanced IAQ solutions

For Consulting Engineers
- AHRI certified performance
- ASHRAE 62 compliant
- Simple to specify
- Agion® antimicrobial coating
- System-integrated controls

For Contractors
- Easy to break down
- Reduced installation time
- Easy to service
- Ideal for replacement


Experience the Art of Air Handling.
Carrier has, as a direct result of listening to what our customers wanted, created a more capable and versatile 39M air-handling unit that builds on the success of our existing air-handling technology. Its new design and construction features and benefits deliver increased value with lower operating and installation costs.

Since 2001, the Aero 39M was one of the first units offered in North America with foam-filled, double-wall construction resulting in panels with a R-13 insulating value. It's offered today with more unit sizes, features and options including greater motor speed control selections, direct-drive plenum fans and LED marine lights. New filter kits in a wide variety of types and efficiencies will satisfy an even greater breadth of applications.

**CONSTRUCTION HIGHLIGHTS**

The Aero 39M’s robust casing is comprised of two-inch post and panelized construction, which allows panels to be easily removed for cleaning while always maintaining structural integrity. This rigid design and weld-free panel construction also maintains an industry-leading linear deflection ratio of L/240 at ±8 in. wg. Additionally, its leak tight casing construction saves energy and has a proven one percent at 8 in. wg. leak rate due to the structural frame and panel design.

For ease of installation, the Aero AHU’s frames, corners and base rails are all easily disassembled and reassembled in minutes with as little as 3 standard tools. Units can be ordered with shipping splits which speeds section-to-section assembly.

**VFDs**

A variety of factory-installed variable frequency drive options are available. Parameters are programmed into the controller and removable keypad prior to shipment.

**FACTORY-INSTALLED TXVs**

The Aero 39M’s thermal expansion valves provide both peace of mind to consulting/specifying engineers and time savings to the field installing contractor.

**TREAD PLATE FLOORING**

For enhanced working surface safety, Aero AHUs offer optional tread (diamond) plates. Like all other Aero 39M components, these are designed for easy cleaning.

To reflect industry demands, Carrier’s reinvented Aero 39M air handlers offer more sizes, more configurations and more features.

- Aero AHU’s double-wall casing allows panels to be easily cleaned without damaging insulation.
- Various fan options include direct-drive plenum with traditional or electronically commutated motors (ECM).
- The Aero 39M panels rest against ultratight seals and Carrier’s patented “no through-metal thermal break” feature with no metal-to-metal conduction path, reduces the likelihood of condensate forming on the outside of the unit.
- Filter options include MERV 8 flat filters for the most basic of needs to MERV 18 HEPA filtration on the interior surface of Aero 39M units. This ensures long-term protection over the product’s lifetime.
- This feature also makes them ideal for even the most demanding precision environments, including clean rooms and high-tech processing areas.
- A variety of factory-mounted sensors and actuators to the most flexible system on the market today — the i-Vu® UC Open XP controller.
- The UC Open XP controller and expansion module provide auxiliary building control to interface with air handlers, chiller plants, hot water systems, lighting, and other HVAC equipment.