

Air Handling Units

RQ Series

RN Series

RZ Series

H3/V3 Series

SA Series

M2 Series

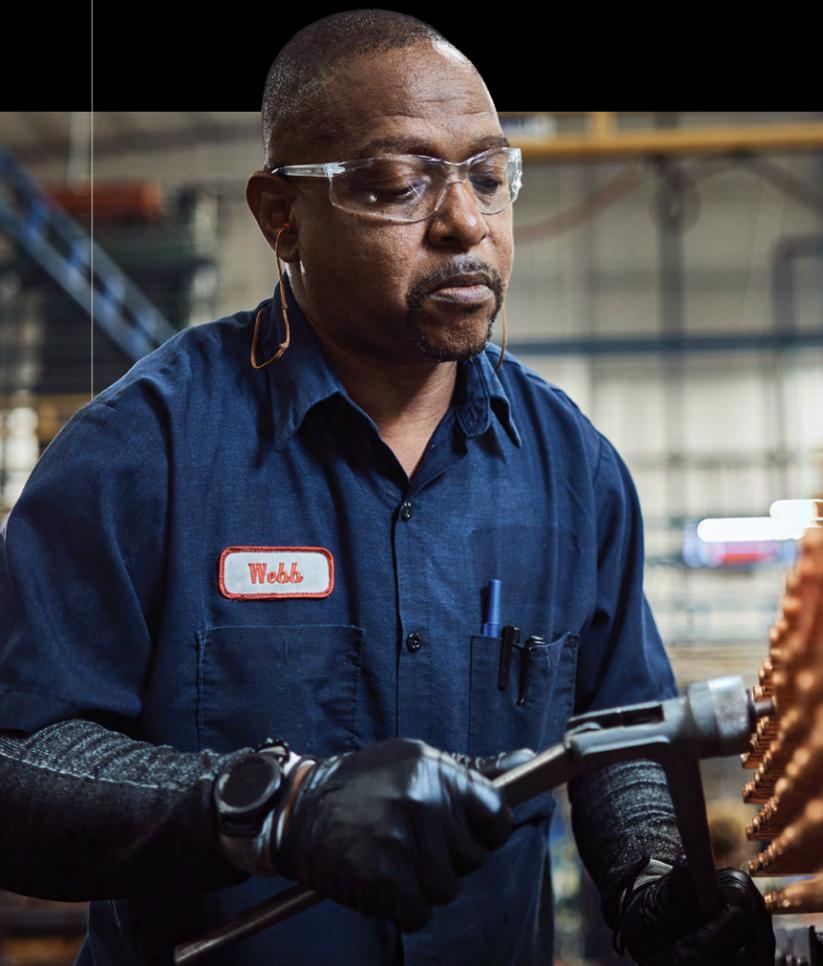




AAON Air Handling Solutions

AAON's premier selection of indoor and outdoor air handling units offer performance, reliability, and value beyond compare.

Engineered for any application imaginable.



For a Better Tomorrow

Air Handling Units (AHUs) play a crucial role in maintaining a comfortable and healthy indoor environment by circulating clean, conditioned air throughout the building. AHUs can also include features like humidifiers, dehumidifiers, and heat recovery systems, depending on the specific needs of the building.

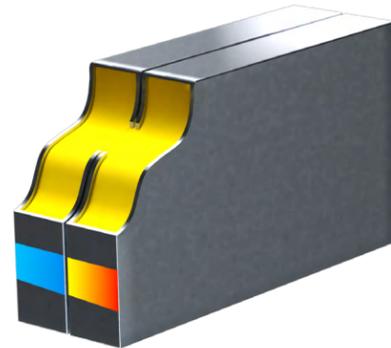
AAON air handling units provide best-in-class flexibility with indoor units, outdoor units, packaged units where all refrigeration components are in one unit, or split units that consist of a condensing unit and air handler.



Engineered for Durability and Serviceability

DURABLE, ENERGY-EFFICIENT EQUIPMENT

AAON units are engineered for unmatched durability and serviceability. Units feature double-wall closed-cell polyurethane foam insulation and G90 galvanized steel walls. With an insulation R-Value of 8 or 16, our units ensure superior thermal efficiency, significantly reducing heat transfer, minimizing air leakage, and offering sound attenuation for quieter operation.



STREAMLINED SERVICEABILITY

AAON equipment prioritizes efficient serviceability, reducing downtime and costs. Color-coded wiring diagrams, heavy-duty access doors and handles, and easy access to components minimize delays in evaluating service issues. These standard features maximize unit runtime and ensure peak efficiency.



FLEXIBLE PRODUCT DESIGN

Each AAON unit is manufactured and designed to the customer's specific needs. Our semi-custom equipment is built to order, offering a flexible product design without the fully custom price or lead times. We build products for our customers, instead of finding customers for our products.

REDUCED COST OF OWNERSHIP

From the robust design of our product cabinets to the innovative features within, everything is engineered to reduce the total cost of ownership. AAON units are built to last, incorporating advanced energy-efficient features that lower operational costs over time.

Applications

EFFICIENT SOLUTIONS FOR EVERY ENVIRONMENT

Education: AAON air handling solutions provide long-term value and create an optimal learning environment by improving indoor air quality through filtration of dust, allergens, viruses, and bacteria.

Healthcare: Optimal patient care and comfort supported by high-performance air handling units that filter contaminants and ensure a consistent air supply.

Hospitality: AAON air handling units, configured as Dedicated Outdoor Air Systems (DOAS), meet building ventilation and humidity requirements while ensuring optimal indoor air quality.

Office Buildings: AAON air handling units help create adaptable office spaces with smart technology, maximizing energy efficiency, improving indoor air quality, and boosting employee productivity.



Configurability

ROOFTOP SERIES

AAON RQ, RN, and RZ products can be packaged units or sold as a split and paired with a condensing unit.



H3/V3 SERIES

AAON H3 and V3 air handlers are available as an air handling unit with chilled water or direct expansion (DX) coils. Often paired with AAON CF series for a complete split system.



SA SERIES

AAON SA series are available as chilled water or non-compressorized DX indoor air handling unit.



M2 SERIES

AAON M2 products are available as an air handling unit with chilled water or direct expansion coils.



SPLIT SYSTEM PAIRING FLEXIBILITY

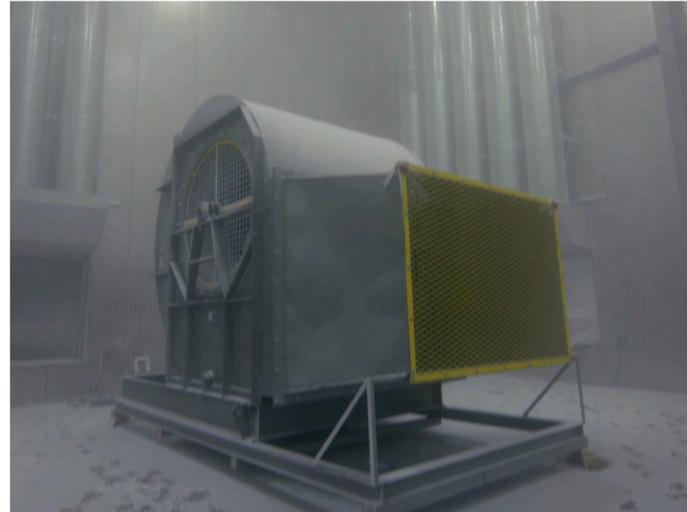
Select AAON air handling units are designed to seamlessly pair with CF Series condensing units to create a complete, high-performance split system. This flexibility allows AAON air handling units to be matched with the desired condensing unit tonnage while maintaining performance requirements. Compatible models include the RN, RQ, H3, V3, and M2 Series, offering a space-efficient, semi-customizable solution that delivers more capacity in a smaller footprint for a wide range of applications.



Advantages—Innovative Features for Peak Performance

VERSATILE SIZE RANGE

Indoor units available from 450 - 21,000 CFM and outdoor units available from 400 - 75,500 CFM. DX Coil, Chilled Water Coil, and no cooling options are also available.



ADVANCED SUPPLY FANS

VFD controlled direct drive backward curved plenum supply fans (H3, V3, M2, SA, RN, RQ). Permanent magnet motor technology with an International Efficiency rating above IE5 (H3, V3, RZ).

CORROSION RESISTANT PAINT

All rooftop units come standard with 2,500-hour salt spray corrosion resistant paint. Custom paint colors are available with the same durable design.

DEDICATED CUSTOMER SUPPORT

We provide world-class customer and technical support throughout the lifespan of every AAON product. This ensures reliable operation and peace of mind every step of the way.

WARRANTY

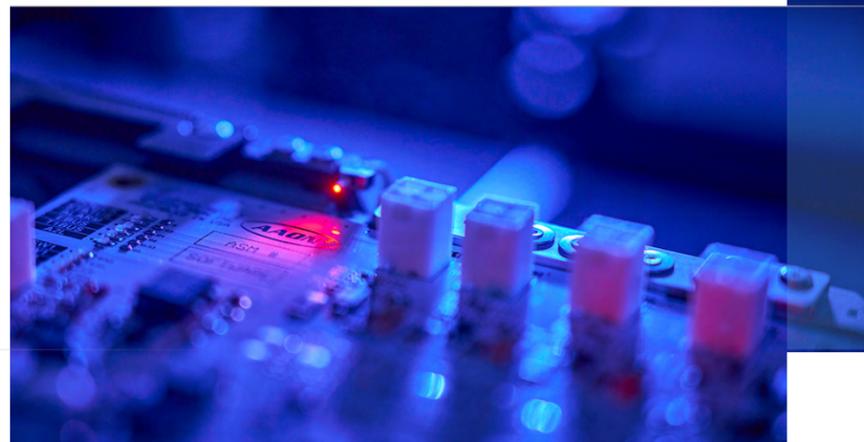
H3, V3, SA, SB and M2 products: The Limited Warranty is effective for 12 months from the date of original installation, or 18 months from the date of original shipment from the factory, whichever occurs first.

RIGOROUS QUALITY TESTING

Every AAON unit is run-tested before leaving the facility. For further testing, our NAIC laboratory offers extensive testing options for your units, from customer witness testing to environmental or sound testing.

CONTROL FLEXIBILITY

AAON air handling units offer control flexibility. Whether you select our factory provided controls, or a third-party control system, we factory install the controls for seamless operation from the start.



Performance Considerations

AIRFLOW RATE AND CAPACITY

Go with the flow. The AHU's airflow rate and capacity should be matched to the building's needs. Consider the size of the building, the number of occupants, and the expected air exchange rate to ensure that the AHU can effectively circulate and condition the air.

EFFICIENCY

AAON air handling units offer high efficiency ratings to minimize energy costs and reduce the building's carbon footprint

SOUND LEVEL

Less sound means more comfort. The sound level of the AHU should be taken into account, especially in buildings where low sound levels are critical, such as healthcare facilities. Select an AHU with a low decibel rating or features like noise-reducing insulation to minimize noise pollution.



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