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ALPHA  
CLASS



Game-changing.





# And world-changing.

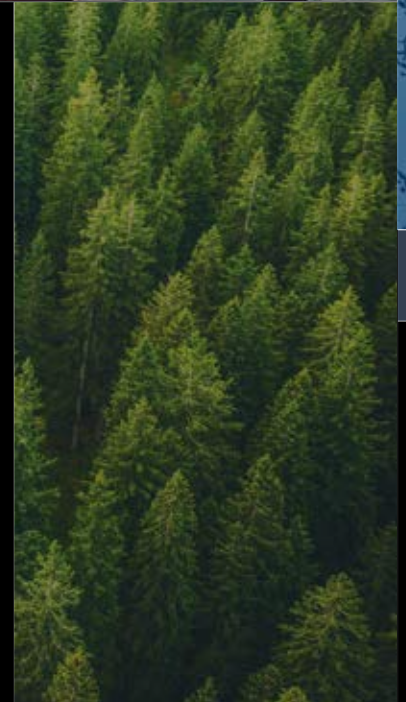
With Alpha Class, AAON is accelerating the widespread adoption of cleaner commercial heat pump technology.

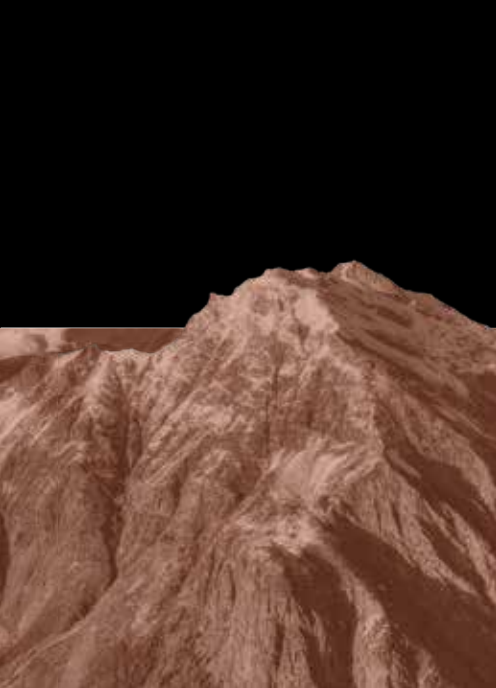


# For a better tomorrow.



AAON Alpha Class is our highest-performing solution ever and is the industry's most versatile line of commercial air-source heat pumps. By pushing the boundaries of what's possible with extraordinary omni-climate performance, AAON Alpha Class empowers more people in more places to adopt cleaner, more efficient HVAC technology for a better tomorrow.





## **Omni-climate — engineered for everywhere.**

AAON products are highly configurable and optimized to meet your needs. With outstanding versatility and performance, AAON Alpha Class is ready for your demanding and unique environment.



## **First-in-class low-ambient heating capability.**

AAON Alpha Class is the most advanced line of commercial air-source heat pumps available. Rigorously tested and proven to operate down to -20 degrees Fahrenheit, AAON Alpha Class is leading the industry in low-ambient performance.



# Performance like no other.

## **Redefining excellence.**

AAON Alpha Class offers the innovation our future demands — today — with options like variable speed technology, all-electric or dual fuel, 100% outside air capability, energy recovery, and low global warming potential refrigerants.

Adaptable to your  
exact world.







AAON Alpha Class was specifically engineered for a world that increasingly demands higher efficiency and lower emissions.



Reliable heating in low-ambient temperatures.

AAON Alpha Class air-source heat pumps are capable of operating reliably at lower ambient temperatures and with high heating capacities over a wide range of operating conditions. AAON Alpha Class heat pumps perform well in climates where other solutions cannot.



High-efficiency electrified heating and high-efficiency cooling.

AAON Alpha Class air-source heat pumps have AHRI-certified heating COPs of up to 4.06 and cooling IEER values up to 22.8, saving energy costs year-round.



Precise comfort control without burning fossil fuels.

Variable speed compressor heat pump heating combined with an auxiliary modulating electric heater allows comfortable heating control, even in extreme temperatures without the use of fossil fuels.



AAONAIRE® energy recovery.

The addition of AAONAIRE energy recovery wheels significantly increases the efficiency of AAON Alpha Class units to maximize energy savings. Selecting this feature increases the COP of the system significantly and also provides more effective performance by preconditioning the outside air.



Renowned cabinet design and construction.

Standard two-inch rigid polyurethane foam-injected panels have a thermal resistance R-value of 16 or greater, exceeding that of a cabinet with four-inch fiberglass construction. This retains useful heating to the building instead of wasting it through the cabinet.

# Performance with purpose.











### Wide range of available capacities.

With many configurations and sizes available, AAON Alpha Class can handle demanding challenges. Check with your local rep for current available capacities.



### Variable speed compressors.

These operate with the highest part load efficiencies over any other compressor technology and provide precise temperature and humidity control. Specific controls protect the compressor by ensuring it operates within the safety of the compressor operating envelope.



### Economizer option.

Up to 100% airflow economizer dampers provide energy-saving, free conditioning when conditions meet setpoint values. This feature also provides ventilation air under all conditions to meet indoor air quality requirements with fresh outside air.



### Variable speed fans.

Variable speed supply fans and variable speed outdoor fans provide high-performance heat pump heating and cooling airflow. Variable speed control allows for energy savings at reduced airflow.



### Dual fuel option.

In addition to the 100% electric configuration, AAON provides the option to select a supplemental gas heater to provide heat in situations that require it. The gas heat is only used in extremely low-ambient temperatures, greatly reducing overall fossil fuel usage while providing comfort in all conditions.



### Modulating hot gas reheat capacities.

Modulating hot gas reheat humidity control is available to provide energy efficiency dehumidification, even with low sensible heat loads, without the temperature swings common with on/off reheat systems.

# Tested, proven, and reliable.

AAON's massive testing laboratory is the most capable in the world, allowing our engineers to test and prove our units' performance in extreme weather conditions and temperatures.

With proven performance in nearly any climate, AAON Alpha Class is a critical solution that meets the increasing demand for building decarbonization.

The AMCA Accredited NAIC Testing Laboratory — the most capable HVAC testing lab in the world — allowed AAON engineers to push AAON Alpha Class low-ambient heating capability to a new level. With AAON Alpha Class, you get reliable and verified performance in extreme climates.





With AAON innovation, quality, and attention to detail,  
you get exceptional value for years to come.





# Be ready for what's next with AAON Alpha Class.

As environmental and regulatory needs  
continue growing, be prepared and  
confident in the right choice for the  
future. AAON Alpha Class is innovation  
at its best — ready for you today.







Explore Alpha Class.



AAON.COM

Engineered and built in America.

OK | TX | MO | OR

