



The Name To Remember.

HB SERIES

LIGHT COMMERCIAL ROOFTOP UNIT



EVERYONE'S COMFORTABLE, EVEN ACCOUNTING

It is important for your building's heating, ventilation and air conditioning system to provide a comfortable, healthy and quiet environment for its occupants. It is also important to manage your energy costs. AAON can help by providing a packaged unit that can do all this and more!

Energy Efficiency

- 13-14+ SEER
- Multi-speed Fans
- Integrated Economizer

Humidity Control

- Fully Modulating Reheat
- Two Stage Compressors
- Return Air Bypass

And More...

- Demand Control Ventilation
- Dirty Filter Notification



LONG TERM SOLUTIONS THAT ARE FRIENDLY TO THE USER AND THE ENVIRONMENT.





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2 TO 5 TON PACKAGED UNITS

VERTICAL OR HORIZONTAL AIRFLOW

Quiet, Comfort, and Efficiency...

AAON Solutions & Flexibility



The HB series packaged outdoor units include:

- Automatic Supply Air Temperature Modulation
- High Efficiency Foam Filled Double Wall Construction
- Hinged, Tool less Single-Sided Service Access
- Integrated Economizer & Ventilation Control
- Isolated Compressor Compartment
- Multiple Methods for Humidity Control
- Multi-Speed Fan Motor
- Multi-Step Heating and Cooling with Single Stage Thermostat
- Quiet Direct Drive Airfoil Plenum Fan
- Two-Step Cooling Capacity
- Variable Fan Speed
- And More...



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Energy Efficiency

The AAON HB series light commercial rooftop units are manufactured with state of the art energy efficient high performance composite panels and are engineered to lead the industry in operating efficiency. The AAON HB series can manage: temperature, humidity, airflow, ventilation, indoor air quality and much more!

13-14+ SEER with environmentally friendly 410A means a quick payback on your investment and a refrigerant you will be happy with for many years to come.

Energy saving direct drive airfoil plenum fan costs less to maintain and is quieter to operate than conventional belt driven fans.

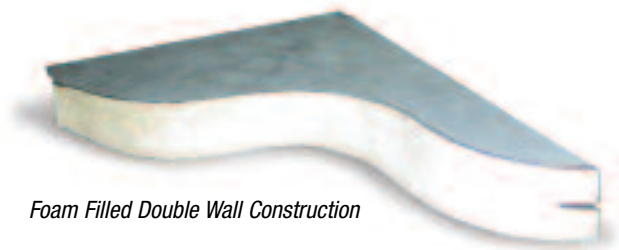
Satisfy the cooling load and provide more moisture removal, while using less energy and providing quieter operation with multiple speed motors and two stage compressors.

Save energy by using cool outside air to satisfy all or part of the cooling demand while bringing in fresh filtered air and exhausting stale indoor air, all while maintaining the set building pressure with the integrated HB economizer and exhaust system.

Prevent the escape of your heating and cooling dollars by ensuring the conditioned air reaches the building occupants. High performance composite foam insulation has double the insulating value of fiberglass insulation.

Maintain optimum efficiency and indoor air quality with the dirty filter switch notification that can notify the user when to change the filters.

Supply Air Temperature Reset. Your unit should be designed to keep you comfortable during peak heating and cooling demand. However, much of the time your unit will be operating at something other than peak demand. The AAON HB series' unique integrated controller can be configured to save you money during these off-peak times. The controller automatically minimizes the use of mechanical cooling or heating, while still maintaining the desired set point, by automatically adjusting the supply-air temperature during periods when cooling and heating loads are not at their design peak.



Foam Filled Double Wall Construction

Humidity Control

Building owners and managers know the negative impact an uncomfortable indoor environment can have on its occupants. A comfortable indoor climate begins with proper humidity and temperature control. The AAON HB series light commercial units can control humidity in all cooling scenarios. The HB series units can control humidity even when the building is not in need of mechanical cooling.

Return air bypass is the best indirect dehumidification enhancement available. By dehumidifying moist outside air and combining it with already conditioned return air the HB maintains both space temperature and relative humidity set points efficiently.

Dehumidify longer and save money with a two stage compressor that matches the load better than a single stage compressor.

Provide cool, dry and comfortable air for the occupants with fully modulating supply air reheat that warms up sub-cooled dehumidified and has better temperature and humidity control than on/off reheat systems.

Bring in the correct amount of fresh outside air to maintain a healthy and fresh environment in the space with the integrated economizer that adjusts according to the fan speed.

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Indoor Air Quality (IAQ)

The occupant friendly design includes, polyurethane foam filled double wall construction preventing insulation from entering the air stream, corrosion resistant coils for years of hassle free cooling and a smart controller that manages temperature, humidity, carbon dioxide and more.

Demand control ventilation (DCV). DCV is a control strategy that provides just the right amount of outside air to the space based on the number of occupants and the ventilation demands of those occupants. Rather than using a fixed, minimum-air ventilation strategy DCV is based on the occupancy. Not heating or cooling unnecessary quantities of outside air conserves energy. This occupant based ventilation means better IAQ for the occupants and energy savings for you.

Sound Level

The AAON HB series light commercial units are constructed with an industry unique design leading to quiet operation for small office buildings, restaurants, retail stores and schools.

Direct drive airfoil plenum fan has quieter operation than conventional forward curved belt driven fans.

Less radiated noise is allowed by the high performance foam filled composite panels than conventional fiberglass insulated panels.

Multiple-speed fan operates at low speed whenever possible and only switches to high speed when the load is large. Less supply airflow results in better dehumidification and quieter operation.

AAON Solutions for All Your Building Sizes



2-30 Ton Rooftop Units



26-70 Ton Rooftop Units



45-230 Ton Rooftop Units



45-230 Ton Condensing Units



35-365 Ton Chillers



**1,000 - 15,600
CFM Air Handling Units**



The Name To Remember.

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It is the intent of AAON to provide accurate up-to-date specification data. However, in the interest of ongoing product improvement, AAON, Inc. reserves the right to change specifications and/or design of any product without notice, obligation, or liability.

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AAON products are covered by one or more of the following U. S. Patents:
5,738,167; 5,826,641; 5,839,505; 6,715,312