



MADE FOR MODULAR™

NO ONE DOES IT BETTER THAN BARD.





FRESH AIR / VENTILATION

Fresh air is vital to IAC. But, it's not just as easy as opening a window, which brings in cold or hot air and humidity. When working with schools, fresh air ventilation becomes even more important as federal regulations must be met. But for modular buildings of all types, ventilation creates a more comfortable environment, allowing for positive pressurization of space, eliminating stale air by pre-cooling air in the summer and pre-heating air in the winter. Bard wall-mount units make it possible to bring in fresh air without turning on the compressor, making ventilation more efficient and effective.

Bard offers damper assemblies and economizers, plus two types of ventilators, commercial room (CRV) and energy recovery ventilators (ERV). CRVs are available factory or field installed, provide up to 50% of total rated air flow and have built-in exhaust capabilities. Bard's ERV ventilators meet ASHRAE school ventilation requirements of 15 CFM per student. They're also available factory or field installed and have the advantage of conditioning and ventilation in one cabinet.

VENTILATION OPTIONS

- Barometric Fresh Air Damper Assembly
- Motorized Fresh Air Damper Assembly
- Economizer
- Commercial Room Ventilator
 - Spring Return •
 - Power Return •
- Energy Recovery Ventilator
 - Synchronized Intake/Exhaust •
 - Independent Intake/Exhaust •





HUMIDITY CONTROL

While cooling is always the top priority, humidity control has a major impact on IAC. Optional dehumidification equipment offers a range of benefits to modular buildings, including protection from moisture issues such as mold and mildew and helping to maintain a fresh, new look and feel to modular buildings of any size.

Bard's active dehumidification control option uses an electronic humidistat that senses high humidity and energizes methods to reduce it in the space. Proper equipment sizing is critical. It reduces short cycling, equipment cost and electrical requirements, while increasing efficiency and comfort.

HUMIDITY CONTROL OPTIONS

- Active Dehumidification Circuits (available on selected models)
 - Provides a unique dehumidification circuit for periods of low outdoor ambient temperature and high indoor humidity conditions. These Bard units can dehumidify without dropping the room temperature, something most other AC units can't do.
- Independent heat exchanger coil in supply air stream
- Dehumidification valve redirects hot refrigerant gas to reheat coil during dehumidification signal from humidity controller
- Independent humidistat
- Energy recovery ventilator



SOUND REDUCTION

Regardless of what type or use of a modular building, sound is a major contributor to comfort. Bard wall-mounts are already surprisingly quiet, especially our Quiet Climate™ products, our I-TEC and our Q-TEC interior models. But, you can significantly reduce HVAC operational sound through a number of optional upgrades to any of our units.

By adding optional Isolation and Sound Curbs, you cut down on sound created by vibrations and energy transfer through walls and return air openings. They're compatible with all Bard wall-mount units and come with multiple color options to blend seamlessly with our units.

SOUND REDUCTION OPTIONS

- Isolation Curbs
- Sound Curbs
- Acoustical Curbs
- Acoustical Accessories
 - Supply Air Plenum
 - Return Air Plenum
- WISP series sound plenum



Modern modular buildings are a far cry from outdated images of uncomfortable metal boxes. Today it's all about style, innovation and efficiency. However, regardless of how great a building looks, it doesn't mean a thing if it's not comfortable. That's why more and more owners and designers from construction companies to school systems demand greater comfort. That's exactly what Bard delivers.

INDOOR AIR COMFORT

Much like the modular industry itself, Bard has evolved. Our units do so much more than simply heat or cool a space. We have a long list of available options that create a much more pleasant environment through Indoor Air Comfort (IAC), one of the top considerations in overall tenant satisfaction.

Bard's base level wall-mount units can be optimized with optional features to create the highest level of IAC by focusing on three main areas – humidity control, fresh air and sound reduction.





The name Bard is practically synonymous with modular. Our wall-mount units are specifically designed for modular buildings, providing exceptional Indoor Air Comfort combined with a rugged dependability and easy serviceability no one else can match. That's why for more than 50 years, Bard has been the preferred choice for modular buildings of all types. And you have our promise that we'll continue to offer new and innovative technology to keep up with the evolving modular industry. Because at Bard, our units are made for modular.



BARD DOES IT BETTER

With unmatched durability, flexibility and reliability, Bard's full line of wall-mount HVAC units not only beat our competitors' wall-mount units, but they're a better solution than both rooftop units and mini-split systems. Both of which are designed for permanent structures and not meant to be transported once installed.

DURABILITY

Modular buildings are made tough and made to last. That's how Bard makes our wall-mount units, too. Our exterior units are designed to withstand harsh weather conditions, standing up to extreme temperatures and moisture. We begin with strong, galvanized 20 gauge zinc-coated steel cabinet that is cleaned, rinsed, sealed and dried before a polyurethane primer is applied. Each unit is then finished with a baked-on textured enamel, making each of our exterior wall-mount units capable of withstanding 1000 hours of salt spray tests.

Bard wall-mounts are designed and manufactured to withstand the rigors of relocation that is necessary with modular buildings. Whether traveling from the modular manufacturing site to initial location, or between locations, our units have been extensively shake tested to ensure that everything remains fully operational and right where it is meant to be. Traditional rooftop units, on the other hand, are not designed to be moved from their original installation. Mini-split systems are also designed for permanent structures and tend to leak if jostled around in transit.

FLEXIBILITY

The beauty of modular buildings is their flexibility. They can be used in almost any setting, and then transported to another location. Bard's wall-mounts are just as flexible and have the durability to make the trip, too. Bard units beat the built-in constraints of mini-split or rooftop HVAC systems with the choice of interior or exterior wall-mounts that come with a range of available options to better control humidity, fresh air intake and sound.

RELIABILITY & SERVICEABILITY

A big part of Bard's success in the modular industry comes down to reliability. Modular manufacturers and end users need HVAC systems that they can count on to work – time and time again. That's Bard. An ingenious simplified design results in stable and reliable service. It also helps with maintenance and service – another big plus for modular buildings. Bard is also famous for the outstanding local support and service our modular distributors provide – something you don't get with most HVAC manufacturers.

Bard units rarely need serviced, but when they do it can usually be performed by existing staff – so there's no need to call costly specialized HVAC professionals. Service is also performed from outside the building, rather than disturbing or displacing tenants. The same can't be said for rooftop or mini-split systems. But, if there ever is a problem with one of our tough, reliable units, there's no reason to worry – Bard has you covered with generous warranties.

When it comes to deciding between Bard and traditional rooftop HVAC or mini-split systems, Bard has the advantage for modular buildings.

BARD WALL-MOUNT ADVANTAGES

- Bard can match efficiency and performance for less
- Comfort and control
- Quiet operation
- Fresh air control
- Flexibility
- Low construction costs with significantly less installation man-hours (6 vs. 40)
- Durable and dependable
- Easy maintenance and serviceability
- Multiple options available to heighten Indoor Air Comfort
- Shake tested to withstand transport without damage
- Bard's quality and experience with modular industry

To discover more about Bard's HVAC wall-mount solutions for modular buildings, visit us online at www.bardhvac.com.

