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PRODUCT

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PRODUCT
HUMIDI-MIZER™
*Adaptive
Dehumidification System*

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HUMIDI-MIZER™ Adaptive Dehumidification System

*Carrier's exclusive dual dehumidification modes
deliver energy savings and year-round comfort*

Carrier's Weathermaster® constant volume packaged rooftop units are the perfect energy-saving choice for applications requiring the highest degree of indoor comfort. But maintaining indoor space humidity levels can be difficult depending on the time of year and the unit's location.

Traditionally, maintaining proper humidity levels meant that equipment often inefficiently treated a higher proportion of indoor air, or wasted energy by trying to control humidity levels by overcooling a space.

But now, meeting specific comfort, humidity and energy-saving demands for your customers is simplified with Carrier's Humidi-MiZer adaptive dehumidification system. It's an all-inclusive factory-installed option that can be ordered with any Weathermaster rooftop unit. This system expands the rooftop's envelope of operation to provide unprecedented flexibility to meet year-round comfort conditions. And it's no surprise that Carrier's Humidi-MiZer's adaptive dehumidification system is the industry's only dual dehumidification mode product.

For maximum flexibility, Humidi-MiZer has three operational modes to adapt to all peak and part load outdoor temperature and humidity conditions. To ensure consistent occupant comfort, this flexibility allows the rooftop unit to maintain both indoor temperature and humidity comfort conditions consistently year-round.

1. **Normal Design Cooling Mode** is the normal operation of the rooftop unit sequence to cycle up to two compressors in order to maintain comfort conditions
2. **Subcooling Mode** will operate to satisfy part load type conditions when the space requires combined sensible and a higher proportion of latent load control
3. **Hot Gas Reheat Mode**, a Carrier exclusive, will provide neutral air for maximum dehumidification operation when outdoor temperatures diminish and the need for latent capacity is required for sole humidity control



48/50HJ Rooftop Unit



Humidi-MiZer™

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BENEFITS AT A GLANCE

For Consulting Engineers

- High latent capacity
- Complete packaged option
- Easy to specify

For Contractors

- Factory installed option
- Streamlined installation
- Carrier experts with specification software, ensures accurate configuration

For Building Owners and Managers

- Three operational modes for peak and part load temperature and humidity demands
- Superior IAQ solution
- Delivers greater occupant comfort

To learn more about Humidi-MiZer, visit www.commercial.carrier.com.

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