



ROOFTOP SYSTEMS

Streamlined HVAC solution for schools today

Carrier rooftop units help schools save time and money by reducing installation complexity and ongoing maintenance demands. Faster setup means lower labor costs, and simplified integration ensures systems run efficiently—keeping budgets in check while improving indoor air quality, and lowering greenhouse gas emissions.

STREAMLINED INSTALLATION & INTEGRATION

- Field-convertible airflow allows for vertical and horizontal configurations to handle multiple applications.
- Single point gas, electric, and control hookups allow for reduced installation time.
- Integrated boards and Carrier controllers connect with thermostats, SystemVu, or third-party BMS.
- Full-perimeter base rails with built-in rigging adapters and fork slots make handling and placement easier.

SIMPLIFIED MAINTENANCE & RELIABLE PERFORMANCE

- Beltless fan design reduces wear and eliminates common maintenance issues.
- Quick access to components with tool-less filter doors and hinged panels.
- In-unit diagnostics with LED error codes to help troubleshoot issues quickly.
- Corrosion-resistant panels and permanently lubricated motors for long-term reliability in many climates.

COMMON APPLICATIONS FOR CARRIER ROOFTOP SYSTEMS

Spaces where humidity is a concern



Gymnasiums & Locker Rooms

Spaces where makeup air is a concern



Cafeterias & Kitchens

Spaces where air quality is a concern



Auditoriums



Carrier Rooftop Systems - reliable comfort for classrooms and common spaces

WEATHEREXPERT® 48/50WE

48/50WE High Outside Air Systems deliver ultra high efficiency heating and cooling via three-stage cooling, modulating components, and optional energy recovery to reduce operating costs. Consider:

- Modulating hot gas reheat maintains comfort during dehumidification without overcooling
- EcoBlue variable-speed ECM fan for quiet operation
- SmartVu touchscreen controls for a user-friendly interface with BAS integration and advanced diagnostics



WeatherExpert
48/50WE

WEATHERMASTER® 48/50GE

48/50GE rooftop systems provides performance with simplified installation, featuring reliable two-stage cooling powered by tandem scroll compressors. Consider:

- Humidi-MiZer® Adaptive Dehumidification
- SystemVu™ Intelligent Controls with full-text display, USB data transfer, and built-in i-Vu®, CCN, and BACnet® integration
- Single-Point Gas and Electrical Connections for simplified installation



WeatherMaster
48/50GE

WEATHERMAKER® 48/50FE

The 48/50FE offers an environmentally sustainable solution for many applications. Consider:

- Fixed refrigerant metering devices on 3 to 5 ton models and TXV on 6 ton models
- Single point gas and electrical connections
- Scroll compressors with internal line-break overload protection
- Tool-less filter door access



WeatherMaker
48/50FE

Factory Installed Optional Parts

ECONOMIZERS

Carrier rooftop units are compatible with optional economizers, which help save energy by using cool outdoor air for “free cooling.” They also improve indoor air quality and meet ventilation standards, delivering enhanced comfort for students and staff.

HUMIDITY CONTROL

48/50GE and 48/50FE systems can be factory-equipped with Humidi-MiZer™ adaptive dehumidification, delivering outstanding humidity control to maintain comfortable, healthy indoor environments while reducing the risk of moisture-related issues.



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