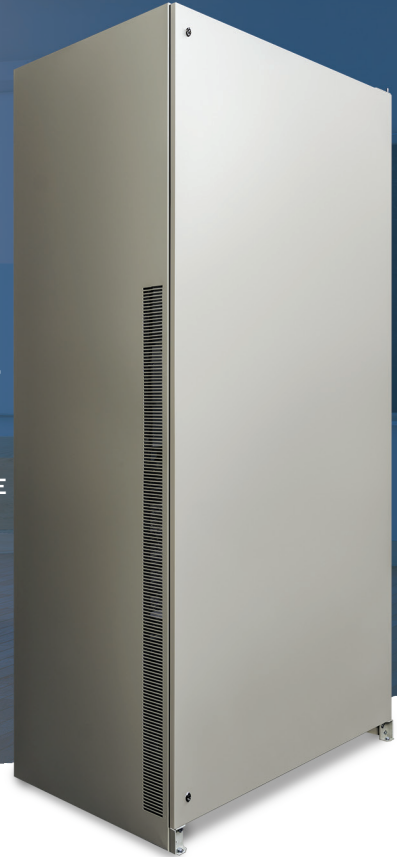




Single-Packaged Vertical Unit Ventilators

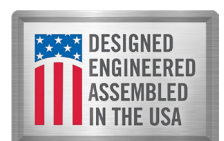
VENTILATION, HEATING, AIR CONDITIONING & DEHUMIDIFICATION IN ONE



PRODUCT DESCRIPTION

The ClassMate® DX Cooling and Heat Pump and the SchoolMate® Ground Source and Water Source Heat Pump Single Package Vertical Unit Ventilators are engineered for high efficiency, quiet operation, and a small footprint. The optional STUDY Package increases acoustical performance and achieves the highest standard of noise reduction in the classroom.

- Uses Low Global Warming Potential (GWP) R-454B A2L refrigerant
- Advanced blower and compressor technologies for decreased sound and power consumption
- Modulating economizer damper providing 100% free-cooling and minimum fresh air requirements
- One-piece door with side air vents for quiet operation
- DX, Hot Gas Reheat, and Hot Water/Electric Heat coils fit inside a standard unit, reducing installation time and need for an optional plenum
- Aluminized steel casing with a durable and easily cleanable polyester powder coat paint finish
- 2" filter, up to MERV 13
- Modine Controls System is available with BACnet compatibility option
- Front access to all components for ease-of-service
- ETL Design Certified for use in both the U.S. and Canada, conforming to UL60335-2-40:2022
- Designed, Engineered and Assembled in the USA



SINGLE-PACKAGED VERTICAL UNIT VENTILATORS

ClassMate® Air Conditioning & Heat Pump Unit

- CMD (DX Cooling), CMP (Heat Pump) and CMS (Split Fan Coil)
- Model sizes: 24, 36, 48, and 60 Nominal MBH
- All models meet or exceed the DOE minimum requirement of 11.0 EER

SchoolMate® Ground Source and Water Source Heat Pump Unit

- SMG (Ground Source Heat Pump) and SMW (Water Source Heat Pump)
- Model sizes: 24, 36, 48, and 60 Nominal MBH
- Performance tested in accordance with AHRI/ISO Standard 13256-1

STANDARD FEATURES

	ClassMate®	SchoolMate®
2 stage hermetic scroll compressor mounted on vibration isolators for quiet operation	✓	✓
ECM fan technology balances performance, sound and efficiency	✓	✓
Designed and optimized for R-454B refrigerant	✓	✓
Modulating economizer damper providing 100% free-cooling and minimum fresh air requirements	✓	✓
20 gauge and 16 gauge aluminized steel casing options with a durable polyester powder coat paint finish	✓	✓
MERV 8 and MERV 13 filter options - 2" radial pleated disposable cotton and synthetic blend filters	✓	✓
Powered relief	✓	Optional
Gravity damper		✓
Copper coaxial coil		✓
Coaxial coil factory installed piping options (auto flow valve, strainer and ball valve, hose kit)		✓

OPTIONAL FEATURES

Sound-reducing compressor acoustic wrap	✓	✓
Factory supplied BACnet compatible controls	✓	✓
Energy recovery wheel with up to 100% economizer capability	✓	✓
In-unit electric heat or hot water heating	✓	✓
Plenum mounted steam heating coil	✓	✓
Hot gas reheat for dehumidification control	✓	✓
Hot water valve and piping packages	✓	✓
Baseboard heat control with Modine Controls (2 - 10 Vdc Modulating, Single-Stage, and Two-Stage)	✓	✓
Needlepoint Bipolar Ionization for air cleaning	✓	✓



CLASSMATE® AND SCHOOLMATE® VERTICAL UNITS ARE AVAILABLE WITH STUDY PACKAGE

- The highest standard in classroom noise reduction
- Lined with multi-layered premium foam insulation to minimum noise levels
- Reduces noise by up to 7 dB(A)
- Can be used to meet LEED prerequisites

As Modine Manufacturing Company has a continuous product improvement program, it reserves the right to change design and specifications without notice.