

SOLUTIONS FOR EVERY CLASSROOM PROBLEM

Schools benefit from the ClassMate HE because it simply makes the most **SENSE**.

Serviceability – The modular design of the ClassMate HE saves school districts, and especially maintenance workers, significant time and money thanks to the accessibility of critical components and controls.

Efficiency – Efficiency levels of the ClassMate HE allow schools to save money on energy and use those dollars on other critical resources.

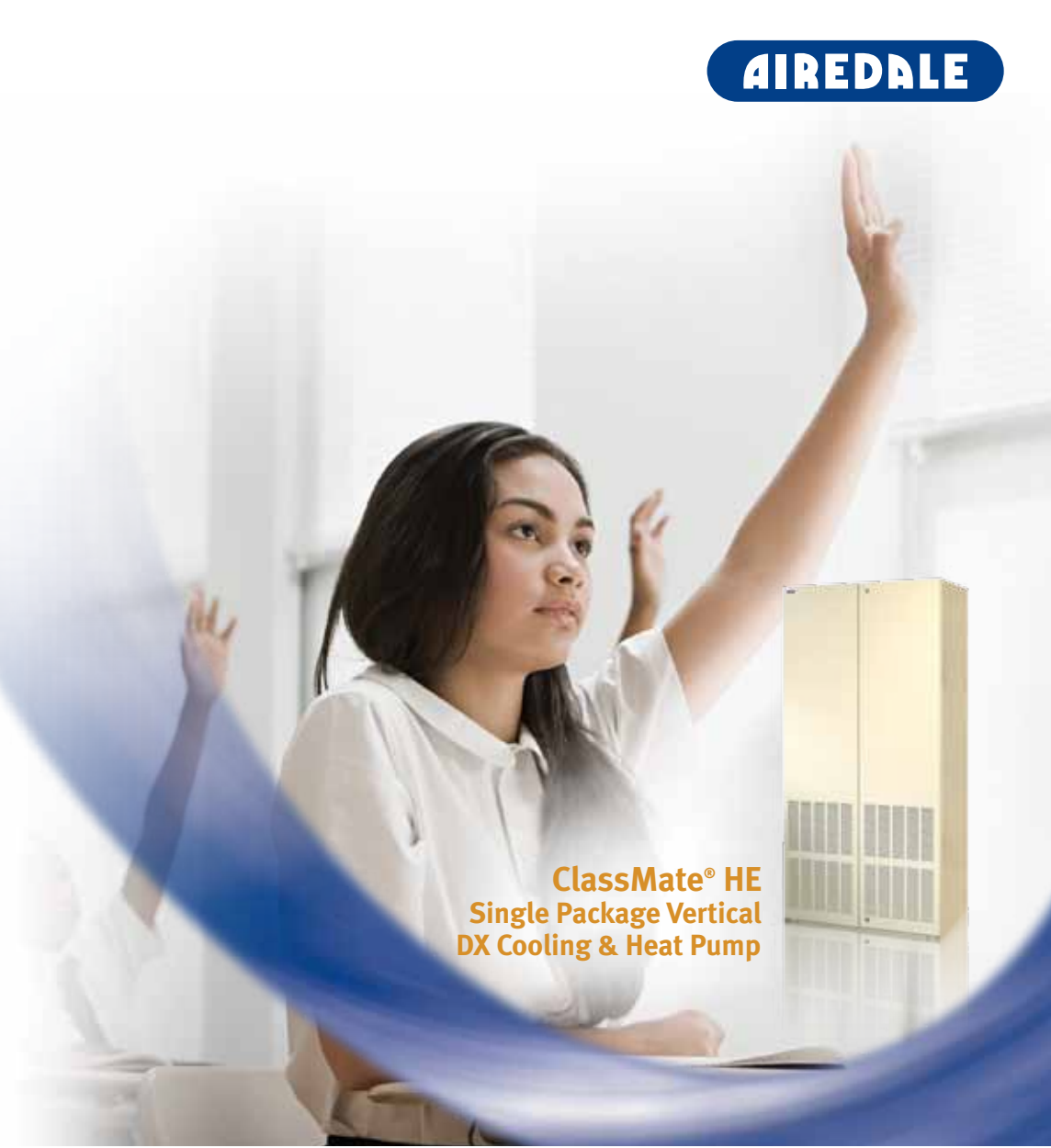
Noise reduction – Teachers and students are more successful with fewer distractions, noise being one. With sound levels as low as 43 dBA, the ClassMate HE helps improve the learning environment.

Size options are many – Four configurations in two cabinet sizes ensure classrooms get the proper amount of supply air from a reduced footprint, saving space in the classroom.

Environmentally conscious – Schools can feel good about installing the ClassMate HE since it incorporates R410a, an environmentally-friendly refrigerant generally not found in older units.



AIREDALE



ClassMate® HE
Single Package Vertical
DX Cooling & Heat Pump

AIREDALE

A **MODINE** Company

Modine Manufacturing Company

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**RAISE YOUR
COMFORT LEVEL.**

AIREDALE > COMPETITION A PROBLEM ANYONE CAN SOLVE.

The highly-efficient ClassMate HE from Airedale is the quietest single packaged product of its type on the market today. This vertical DX cooling and heat pump unit is available with a two-stage compressor. It incorporates the environmentally friendly R410a refrigerant along with many additional benefits, including:

- Ultra quiet operation
- Easy installation
- Enhanced controls
- Dehumidification capability
- An aesthetically pleasing design

The ClassMate HE is available in four capacities from 2 to 5 cooling tons in two cabinet sizes.



ClassMate HE
Single Package Vertical
DX Cooling & Heat Pump

DEVELOPING SOLUTIONS TO MEET CHANGING CLASSROOM DEMANDS

When the Los Angeles Unified School District (LAUSD) reduced the level of allowable background noise on all new classroom HVAC units to 45 dBa at 5 feet from the unit, they looked to Airedale to take on the challenge and engineer a solution to meet these stringent requirements.

Airedale incorporated a thicker, insulated door and moved the air louvers from the front of the door to the side. A jacket cover assembly was also added to the compressor. By reducing the compressor noise and moving the air flow to the side, Airedale created a stand-alone unit so quiet it is now considered the design standard for all of LAUSD.

Looking for sound levels as low as LAUSD? Ask about Airedale's optional compressor jacket and ultra-quiet door.



The supply fan compartment features an easily removable fan deck for maintenance and cleaning. The two-speed EC motor also supplies quiet operation and optimal performance.

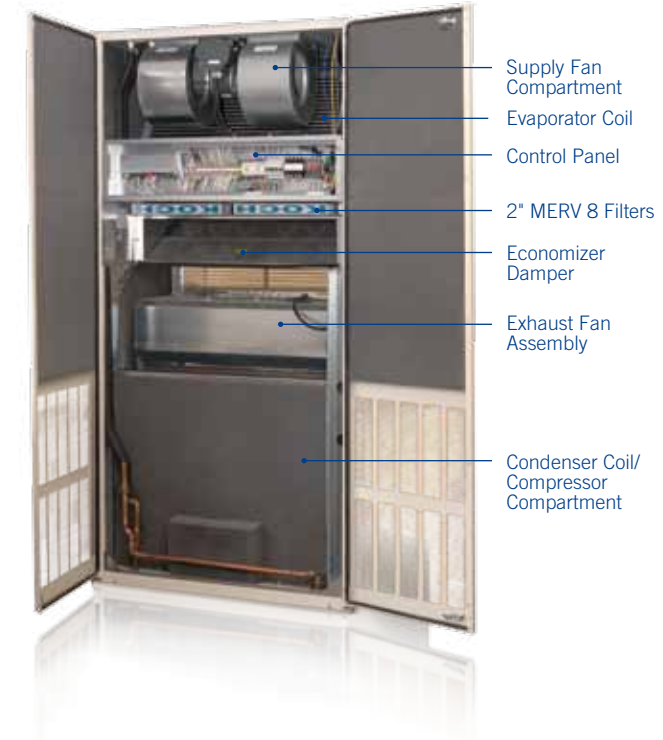
FEATURES

- With a two-stage scroll compressor, two-speed EC motor and an enhanced condenser coil, the ClassMate HE can match the varying load requirements of a classroom from day-to-day and season-to-season
- Designed with noise reduction in mind
 - ECM fan technology offers the perfect compromise between performance and quiet operation
 - Anti-vibration mounts for noise sensitive installations

- Aesthetically pleasing appearance made to blend into the interior and exterior, allowing architectural freedom in design of classrooms, roofs and facades
- Constructed with easy installation and service in mind – compact footprint, removable damper, exhaust and supply fan assemblies
- Incorporates environmentally friendly R410a refrigerant
- Modulating economizer damper providing 100% free-cooling and minimum fresh air requirements
- Aluminized steel casing with electrostatically applied, baked-on polyester powder paint
- Sight glass, filter drier, and high and low pressure switches included for serviceability

OPTIONS

- Sound-deadening jacket for the compressor – dramatically reduces noise, making the classroom quieter and more comfortable
- Sound-attenuating door – ultra quiet door features side intake air louvers and 2" acoustic insulation, further lowering dBa levels
- Energy recovery ventilator – recovers heat from air that's about to be exhausted, increasing efficiency
- Factory supplied BACnet or LonWorks compatible controls – ensures compatibility with existing building management systems for central control
- Gas plenum for added heat – 30,000, 45,000 and 60,000 Btu/hr options
- Hot water heating coil and valve/piping packages for additional heating
- Hot gas reheat for dehumidification control



“When we needed heating/cooling solutions for 22 classrooms, we went with Airedale’s ClassMate HE units. The maintenance staff is happy not to be on the roof in winter and we are pleased with the efficiency, savings and overall performance of the units.”

Keith Gourlay, Director of Facilities
Sparta Township Public Schools, Sparta, NJ



AVAILABLE ACCESSORIES

Airedale makes it easy to customize your ClassMate HE to blend into any existing school’s architecture with the following accessories:

- Wall sleeve, floor stands and rear extension for customized solutions
- Discharge plenums
- Duct shrouds
- Outdoor louvers
- Humidity sensor
- Steam heating plenum
- Gas-fired heating plenum

To learn more visit www.AiredaleUSA.com or call 1-866-823-1631

An optional sound-deadening compressor jacket and sound-attenuating door helped LAUSD achieve noise levels below 45 dBa.

