

**AIREDALE**

air conditioning for every environment

## SlimLine Performer Ceiling Cassettes

8,000 - 36,000 BTU/h

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### > SlimLine Performer Ceiling Cassettes DX (13 SEER) and Chilled Water Models

Airedale Slimline Performer Ceiling Cassettes are the perfect solution for today's concerns for energy efficiency and comfort. Designed with a slim line fascia for quiet operation above suspended ceilings, the Cassettes are available in a choice of DX or Chilled Water. Cooling capacities range from 8,000 BTU/h to 36,000 BTU/h with the flexibility of providing cooling, heating or both, depending upon your specific application and need. With optional hot water heating, the Slimline Performer Cassettes will provide year-round comfort.

[www.airedaleusa.com](http://www.airedaleusa.com)

# SlimLine Performer Ceiling Cassettes

8,000 - 36,000 BTU/h

## The Cost-Effective Alternative

The SlimLine Performer Ceiling Cassettes are ideal for offices, classrooms, laboratories, retail stores, conference rooms or light commercial buildings where space is at a premium and low noise is essential. They can be easily installed in new buildings or retrofitted into older buildings at a fraction of the cost of other systems. They also give the flexibility of zoned control, which can greatly reduce energy costs. This is especially true in buildings that have varied heating and air conditioning requirements, such as areas of the building that have high occupancy, office machines or computers that generate significant heat or areas that have "dead spots", which are either too hot or too cold.

The SlimLine Performer Ceiling Cassettes are cost-effective alternative to upgrading or replacing the central system to accommodate these different requirements. There is no need to heat or air condition an entire building to remedy trouble spots within the building. This can have a tremendous impact on keeping energy consumption in check.

For individual comfort our Cassettes are equipped with a wall mounted thermostat. For even greater flexibility an optional micro-processor controller with an infrared transmitter is available which enables room conditions to be maintained at a user defined set point.



## Standard Features

- > Energy Efficient and Space Saving Design
- > Low Noise Level Operation
- > DX (13 SEER) or Chilled Water Cooling
- > Built-in Condensate Pump
- > Easy Installation and Maintenance
- > Wall Mounted Thermostat
- > Branch Knock-outs for Duct to Remote Outlets
- > Fresh Air Knock-outs for Ducted Connections to Outside Air
- > Control Transformer 230V/1Ph to 24V

## Factory Installed Options

- > Hot Water Heating
- > Hot Water Coil Freeze Protection
- > Electric Heat
- > Microprocessor Controller
- > Energy Recovery Ventilator (ERV) for Improved Indoor Air Quality

## Field Installed Accessories

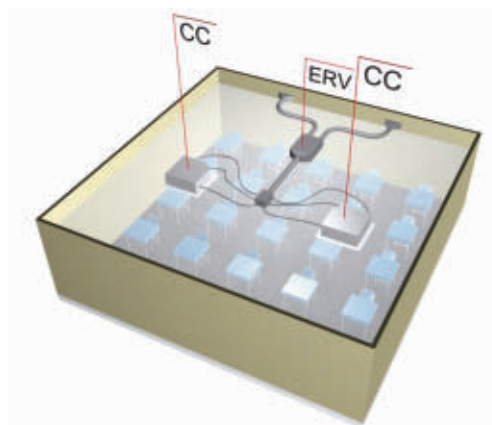
- > Mechanical and Digital Thermostats
- > Duct Collars
- > Valve packages for chilled water and hot water models
- > Spare Filters

## Improve Indoor Air Quality With Our Optional ERV

Maintaining healthy indoor air quality in high occupancy spaces, such as classrooms, is a critical issue facing the heating and air conditioning industry.

Our complete line of high quality Cassettes have been designed with fresh air knockouts for ducted connections to the outside air, or to our optional Energy Recovery Ventilator (ERV). This unique feature not only provides increased energy efficiency but also supplies fresh air to the space, and exhausts stale air for improved air quality, which meets the requirements of ASHRAE standard 62.

The illustration at the right shows the typical classroom application using our ERV in our Slimline Ceiling System. The ERV draws outside air over its energy exchanger element picking up heat or releasing heat to the room exhaust air. The tempered outside air is then delivered to the Ceiling Cassettes (CC) where it is heated or cooled and mixed with room recirculated air.



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## Typical Applications



Office Environments



School Environments



Retail Environments

## The Airedale Family of Space Saving Ceiling Cassettes & Matching Condensing Units

Our complete line of Ceiling Cassettes features a space saving design, low noise level operation, easy installation and maintenance and optional heat pump or hot water heating for year round comfort. The Cassette cases are sturdy one piece construction crafted from lightweight galvanized sheet steel with integral fan mounting rails for added strength. The fascias are manufactured from fire resistant High Impact Polystyrene in pearl grey. Fire resistant foam is fitted both internally and externally to provide both thermal and acoustic insulation.

For DX models, the air cooled, high efficiency condensing units are designed specifically to meet and/or exceed the 13 SEER standards for system energy efficiency ratings. They are very quiet operating units, and are recommended for both commercial and residential applications.

### DX

Model No.	Total Cooling (BTU/h) <sup>①</sup>	SEER	Hot Water Heat (BTU/h) <sup>②</sup>	Electric Heat (kW)	H x W x D (inches) <sup>③</sup>	H x W x D (inches) <sup>④</sup>	Weight (lbs)
CDX 2/9	9,000	13.0	N/A	1.5	11.75 x 22.5 x 22.5	1.25 x 25 x 25	45
CDX 14	13,300	13.6	32,067	3.0	11 x 33.25 x 33.25	1.75 x 37 x 37	81
CDX 18	17,300	14.1	32,067	3.0	11 x 33.25 x 33.25	1.75 x 37 x 37	81
CDX 22	21,800	13.0	34,261	3.0	11 x 33.25 x 33.25	1.75 x 37 x 37	81
CDX 34	33,600	13.0	54,337	5.0	13 x 45.5 x 33.25	1.75 x 49.25 x 37	118

- ① Nominal DX cooling capacity based on air 80/67°F Dry/Wet Bulb & 95°F ambient
- ② Nominal hot water heating capacity based on air 70°F & 180°F in/160°F out water temperatures
- ③ Chassis Dimensions
- ④ Fascia Dimensions

### Chilled Water

Model No.	Total Cooling (BTU/h) <sup>①</sup>	Hot Water Heat (BTU/h) <sup>②</sup>	Electric Heat (kW)	H x W x D (inches) <sup>③</sup>	H x W x D (inches) <sup>④</sup>	Weight (lbs)
CCW 2/8	6,579	15,038	1.5	11.75 x 22.5 x 22.5	1.25 x 25 x 25	42
CCW 2/12	11,238	N/A	1.5	11.75 x 22.5 x 22.5	1.25 x 25 x 25	45
CCW 18	18,059	32,067	3.0	11 x 33.25 x 33.25	1.75 x 37 x 37	81
CCW 20	19,711	34,261	3.0	11 x 33.25 x 33.25	1.75 x 37 x 37	81
CCW 33	30,462	48,420	5.0	13 x 45.5 x 33.25	1.75 x 49.25 x 37	118
CCW 36	35,430	54,337	5.0	13 x 45.5 x 33.25	1.75 x 49.25 x 37	118

- ① Nominal chilled water cooling capacity based on air 80/67°F Dry/Wet Bulb & 45°F in/55°F out water temperature
- ② Nominal hot water heating capacity based on air 70°F & 180°F in/160°F out water temperatures
- ③ Chassis Dimensions
- ④ Fascia Dimensions



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