

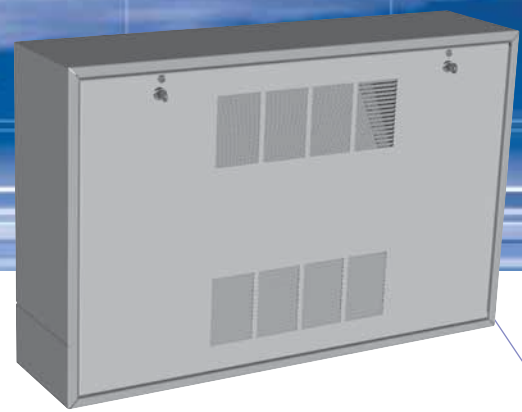
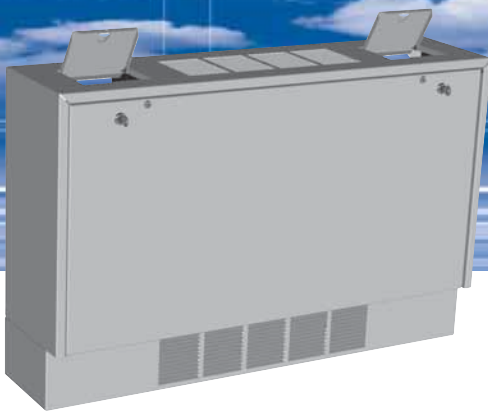
**AIREDALE**

air conditioning for every environment

## FC and WCC Steam/Hot Water Cabinet Unit Heaters

7,800 - 121,800 BTU/h

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### > FC and WCC Cabinet Unit Heaters Steam and Hot Water

Airedale cabinet unit heaters feature clean designs and compact dimensions to blend into any environment and minimize installation space. Through thermostatic control and the standard solid state speed controller, conditions can be varied to suit diverse requirements. Optional outside/return-air dampers are available to provide for ventilation and recirculation of room air. Design techniques are incorporated to reduce noise levels to an absolute minimum. These techniques include low blower speeds, rigid panel and cabinet construction, and sound-absorbent cabinet insulation.

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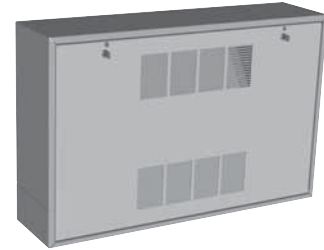
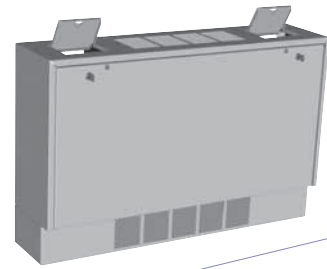
## The Cost-Effective Alternative

The FC and WCC Steam/Hot Water Cabinet Unit Heaters 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 requirements, such as areas of the building that have varying occupancy, or areas that have “dead spots”, such as vestibules, which are too cold.

The cabinet unit heaters are a cost-effective alternative to upgrading or replacing the central system to accommodate these different requirements. There is no need to heat 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 cabinet unit heaters are equipped with a unit mounted solid state speed controller and a number of thermostatic and damper options are available.

Available in a choice of two models and eight sizes, the versatility allows easy matching to fit requirements without compromising architecture or design.



## Standard Features

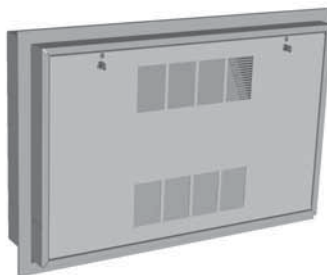
- > One-Piece Cabinet Top and Sides
- > Wrap-Around Inner Partitions and Back Sheet
- > All-Welded Construction
- > Cabinet End Pockets
- > Cabinet Pre-Treated for Prevention of Corrosion and Painted with a Baked-On Enamel Finish
- > Quick Change Permanent Filters
- > Sound Dampening Insulation
- > Copper Tube, Aluminum Fin Coils
- > Blower Platform, Blower and Blower Motor Removable as a Single Unit
- > Solid-State Speed Control with Off Position
- > Access Doors on FC Models

## Options

- > 2-Row, High Capacity Hot Water Coil
- > Right Hand Piping, Left Hand Electrical
- > Energy Efficient Permanent Split Capacitor Motors or High Static Motors for External Static up to 0.4"W.C.
- > Disconnect Switch
- > Unit Mounted Return Air Thermostat
- > Access Doors on WCC Models
- > Tamper Proof Hardware and Key Locks
- > Aluminum Bar Grills
- > Inlet and/or Outlet Duct Collars
- > Manual or Motorized Outside/Return Air Dampers
- > Leveling Legs
- > Optional Colors

## Accessories

- > Room Thermostats
- > Aquastats
- > 2 or 3 Position Electric Valves
- > Modulating Non-Electric Valves
- > PermaLap<sup>®</sup> Frames and Wall Gasketing



# FC and WCC Steam/Hot Water Cabinet Unit Heaters

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## Typical Applications



### Performance Data - Hot Water (1)

	Unit Size	BTU/h	Fan Speed Range, CFM	Final Air Temp, °F	GPM	Pressure Drop (ft. of water)	H x W X D (inches)	Weight (lbs.) (3)
Standard One Row Coil	2	12,400	250 - 150	105	1.28	0.1	25 x 38-3/4 x 9-3/4	90
	3	22,100	330 - 195	121	2.23	0.3	25 x 43-3/4 x 9-3/4	100
	4	28,100	450 - 270	117	2.87	0.5	25 x 48-3/4 x 9-3/4	120
	6	44,300	620 - 370	126	4.43	0.9	25 x 61-3/4 x 9-3/4	130
	8	48,800	840 - 545	113	5.00	0.4	28 x 71-3/4 x 12	170
	10	55,700	1050 - 685	108	5.70	0.5	28 x 71-3/4 x 12	175
	12	72,300	1240 - 805	113	7.40	0.8	28 x 83-3/4 x 12	195
	14	79,200	1430 - 930	111	8.10	1.0	28 x 83-3/4 x 12	200
Optional High Capacity Two Row Coil	2	23,200	250 - 140	146	2.40	2.8	25 x 38-3/4 x 9-3/4	90
	3	33,400	325 - 195	155	3.60	3.7	25 x 43-3/4 x 9-3/4	100
	4	45,800	440 - 270	156	4.70	8.8	25 x 48-3/4 x 9-3/4	120
	6	59,700	615 - 370	150	6.00	10.1	25 x 61-3/4 x 9-3/4	130
	8	71,900	835 - 540	139	7.40	1.9	28 x 71-3/4 x 12	170
	10	84,600	1040 - 680	135	8.70	2.5	28 x 71-3/4 x 12	175
	12	105,600	1220 - 790	140	10.80	3.6	28 x 83-3/4 x 12	195
	14	118,300	1410 - 915	137	12.10	4.4	28 x 83-3/4 x 12	200

### Performance Data - Steam (2)

	Unit Size	BTU/h	Fan Speed Range, CFM	Final Air Temp, °F	EDR	Condensate lbs./h	H x W X D (inches)	Weight (lbs.) (3)
Standard One Row Coil	2	19,800	250 - 150	133	82	21	25 x 38-3/4 x 9-3/4	90
	3	28,300	330 - 195	139	118	29	25 x 43-3/4 x 9-3/4	100
	4	42,500	450 - 270	147	177	44	25 x 48-3/4 x 9-3/4	120
	6	52,100	620 - 370	137	217	54	25 x 61-3/4 x 9-3/4	130
	8	67,700	840 - 545	134	282	70	28 x 71-3/4 x 12	170
	10	76,000	1050 - 685	126	317	79	28 x 71-3/4 x 12	175
	12	95,400	1240 - 805	130	398	99	28 x 83-3/4 x 12	195
	14	102,600	1430 - 930	126	428	106	28 x 83-3/4 x 12	200

- (1) High speed blower operation, 200°F entering water, 60°F entering air, 20°F water temperature drop data shown.  
 (2) High speed blower operation, 2 lbs. steam, 60°F entering air data shown.  
 (3) Weight shown for Model WCC. For Model FC, subtract 10 lbs.



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