

## SPECIFICATION SHEET

### WARM AIR SPACE HEATING USING HOT WATER DESCRIPTION

The AQUECOIL Hot Water Coil works in conjunction with any source of hot water (which can supply enough BTU's to meet your heating load), such as a Conventional Water Heater, a Tankless Water Heater, or Boiler, and an air distribution system. It can be used to provide heated air for applications such as residential or commercial warm air heating, or reheat for humidity control. It is available as a fully insulated and jacketed duct coil or as an uninsulated, unjacketed duct coil with mounting flanges. Both models include a manual air vent.

### FEATURED HIGHLIGHTS

- High-Performance 2-row coil with louvered aluminum fins and all copper waterways for improved heat transfer and durability
- Manual air vent mounted on external coil stubs for easy air bleeding
- 7/8" O.D. sweat connections for quick attachment to 3/4" water lines
- Cased version features 1" flanges for positive connection to duct system
- Cased version includes duct flange covers to protect coil fins during handling and allow installer to change duct opening size on the job site
- Cased version features a sturdy aluminum cabinet with heavy baked enamel finish to prevent rusting
- Cased version is fully insulated with foil faced rigid isocyanurate foam for superior insulation durability
- 3 Year parts warranty



\*\* Cased Model Shown \*\*

### APPLICATION

The AQUECOIL Hot Water Coils may be mounted in either the supply or the return side of the duct system, in either vertical or horizontal orientation; however, horizontal use requires the addition of an external air vent to assure complete air purging. The use of field installed swing check and isolation valves is strongly recommended.

The fully insulated and jacketed coil (cased coil) is supplied ready to be attached to the duct

system using the flanges, filled and used. The bare coil version can be attached to the duct system by its mounting rails, but must be insulated prior to use.

If the hot water source does not have its own system circulator, the AQUECOIL Hot Water Coil can be connected to an AQUECOIL Pump Module, Models PM1 or PM2, to provide the necessary control functions and specified water flow rates through the coil.

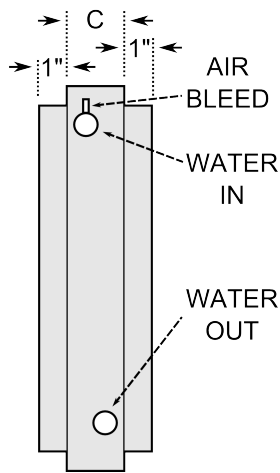
# SPECIFICATIONS AND INFORMATION

These Specifications are Subject to Change without Notice

Model HWC

B & C Series

## NOMINAL PRODUCT PERFORMANCE



### CASE DIMENSIONS (INCHES)

MODEL	FACE AREA	A	B	C	D	E
HWC-1215	12" X 15"	22 1/8"	15 3/8"	2 1/2"	15"	12"
HWC-1520	15" X 20"	22 1/2"	19 1/2"	2 1/2"	20"	15"
HWC-2025	20" X 25"	29 1/4"	22"	2"	25"	20"

### STATIC LOSS (INCHES WATER)

MODEL	400 CFM	600 CFM	800 CFM	1000 CFM	1200 CFM	1400 CFM	1600 CFM	1800 CFM	2000 CFM
HWC-1215	.05	.10	.15	.22	.29	-	-	-	-
HWC-1520	-	-	-	.13	.17	.22	.27	.33	-
HWC-2025	-	-	-	-	-	.14	.17	.20	.24

### HWC-1215

### HEAT OUTPUT (BTUH)

WATER FLOW GPM	PUMP HEAD WPD (feet)	140°F E.W.T.			180°F E.W.T.		
		400 CFM	600 CFM	800 CFM	400 CFM	600 CFM	800 CFM
3	1.2	19,900	24,700	28,200	31,600	39,400	45,000
4	1.9	20,600	26,000	29,900	32,800	41,300	47,600
5	2.9	21,200	26,800	31,000	33,500	42,500	49,400

### HWC-1520

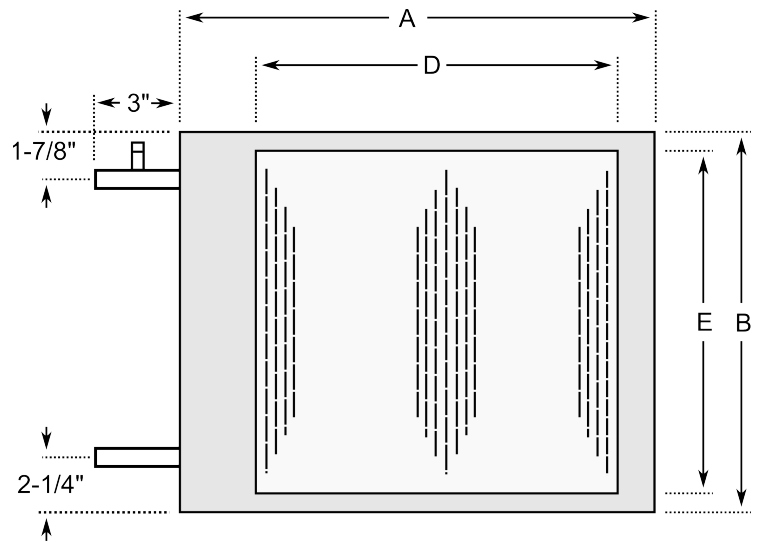
### HEAT OUTPUT (BTUH)

WATER FLOW GPM	PUMP HEAD WPD (feet)	140°F E.W.T.			180°F E.W.T.		
		1000 CFM	1200 CFM	1400 CFM	1000 CFM	1200 CFM	1400 CFM
4	2.7	38,000	41,200	43,900	60,500	65,600	60,500
6	5.6	40,900	44,600	47,900	64,800	70,800	64,800
8	9.4	42,400	46,500	50,100	67,100	73,700	67,100
10	13.9	43,400	47,800	51,600	68,600	75,600	68,600
12	19.2	44,100	48,600	52,600	69,700	76,900	69,700

### HWC-2025

### HEAT OUTPUT (BTUH)

WATER FLOW GPM	PUMP HEAD WPD (feet)	140°F E.W.T.				180°F E.W.T.			
		1400 CFM	1600 CFM	1800 CFM	2000 CFM	1400 CFM	1600 CFM	1800 CFM	2000 CFM
4	1.2	57,900	61,200	64,000	66,500	92,300	97,600	102,200	106,200
6	2.5	64,400	68,800	72,600	76,000	102,500	109,500	115,700	121,200
8	4.2	68,200	73,200	77,700	81,700	108,200	116,300	123,500	129,900
10	6.3	70,600	76,100	81,000	85,400	111,800	120,700	128,600	135,700
12	8.7	114,400	78,100	83,300	88,100	114,378	123,700	132,100	139,800



7/8 O.D. SWEAT CONNECTIONS ON WATER LINES

FOR CASED CONFIGURATION, ADD "C" TO THE MODEL NUMBER

FOR RAILS ONLY CONFIGURATION, ADD "B" TO THE MODEL NUMBER

### NOTES:

1) All BTUH calculations assume 70°F entering air temperature, to show real-world numbers

2) Water circulation is handled either by the existing boiler system or by installing one of the optional pump modules, depending on application

### OPTIONAL ACCESSORIES

PM-1	Standard Pump Module
PM-2	High Head Pump Module
VK-1	Standard Valve Kit
VK-2	Valve Kit for Tankless Water Heater Installs

**WARRANTY:** All AQUECOIL Duct Coils offer a limited 3 year parts warranty.

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