

# HEAT CONTROLLER, INC.

## HYDRONIC AIR HANDLERS

## AHB SERIES 1½-5 TONS

### Matched to 13 SEER A/C Condensers

### Blower Time Delay (30-45 Seconds)

Warms the coil before the blower is energized to prevent cold drafts

### Line Voltage Terminal Block and Low Voltage Terminal Strip

Allows fast, simple thermostat connection

### High-Temp Nylon Drain Pans

Resists corrosion and bacterial growth

### Slide-Out Blower Assembly

Makes service and maintenance fast

### Factory Installed Air Filter

Available in standard sizes

### Freeze Protection for Both Heating & Cooling

Protects the entire system year 'round

### ¾" Water Connections

Assures correct water supply lines

### Multi-Position—Vertical, Horizontal left or right, and Downflow (with conversion kit)



## CABINET FEATURES

- Entire cabinet is pre-painted, galvanized steel for maximum corrosion protection
- Interlocking access panels and gasketed screws to eliminate air leakage

## HYDRONIC COIL

- Built-in design
- Aluminum fin/copper tube construction
- Manual air vent and drain valves
- ¾" sweat water connections

## EVAPORATOR COIL

- Aluminum fin/copper tube, TXV included
- Nylon drain pans
- Primary and secondary drains
- 5 year warranty on coil

## ELECTRIC SUPPLY

- 115V, 60 Hz system, 24 volt control circuit
- Low voltage terminal strip
- High voltage supply at top of cabinet
- Post-purge timer for cooling

## AHB Series Hydronic Air Handlers—1½ to 5 Tons

The AHB family of highly efficient Hydronic Air Handlers offers the most-wanted features in the industry:

- Low voltage terminal strip and 24 volt transformer included for easy wiring
- Blower time delay of 30 to 45 seconds preheats the hydronic coil
- Freeze protection in both heat and cool modes provides the ultimate in protection for the entire system
- Slide-out blower assembly makes service and maintenance fast and easy
- Multi-position design can be installed vertically, horizontally left or right, or in a downflow configuration with a conversion kit
- ARI matched with Heat Controller's line of 13 SEER condensing units

### PERFORMANCE

MODEL	TONS CLG	REFRIGERANT CONN. SIZE		NOM. HEATING @ 180°F (BTUH)	NOMINAL AIRFLOW (CFM)	FILTER SIZE	SHIPPING WEIGHT
		VAPOR (In. OD)	LIQUID				
AHB1324-0B	1.5	3/4	3/8	52,000	600	16" x 20" x 1"	140
AHB1324-0B	2.0	3/4	3/8"	52,000	800	16" x 20" x 1"	140
AHB1330-0B	2.5	3/4	3/8	63,000	1,000	16" x 20" x 1"	140
AHB1336-0B	3.0	3/4	3/8"	82,000	1,330	20" x 25" x 1"	190
AHB1348-0B	3.5	7/8	3/8	107,000	1,450	20" x 25" x 1"	190
AHB1348-0B	4.0	7/8	3/8	107,000	1,740	20" x 25" x 1"	190
AHB1361-0B	5.0	7/8	3/8	125,000	2,000	20" x 25" x 1"	190

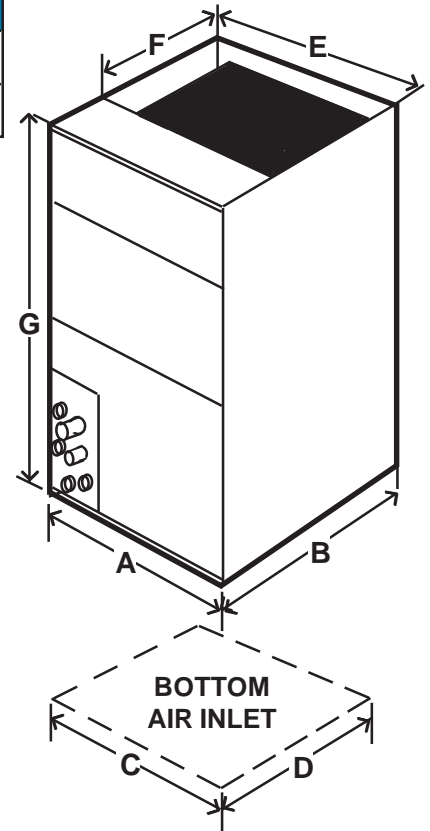
### BLOWER

MODEL	MOTOR @115V 60HZ		BLOWER WHEEL	MOTOR SPEEDS	SCFM <sup>(1)</sup> @ ESP (in. w.c.)				
	HP	FLA			0.1	0.2	0.3	0.4	0.5
AHB1324-0B	1/4	3.2	10 x 6	H	840	790	750	700	660
				M	820	760	725	680	630
				L	770	700	630	600	—
AHB1330-0B	1/3	6.2	10 x 7	H	1010	980	930	865	830
				M	975	935	895	845	800
				L	950	900	860	810	—
AHB1336-0B	1/3	6.2	10 x 8	H	1360	1310	1270	1230	1190
				M	1340	1250	1170	1090	1060
				L	1280	1170	1040	970	—
AHB1348-0B	3/4	9.5	11 x 9	H	1860	1740	1640	1530	1480
				M	1780	1620	1510	1390	1280
				L	1680	1500	1320	1250	—
AHB1361-0B	3/4	9.7	11 x 11	H	1950	1900	1845	1770	1720
				M	1820	1750	1620	1470	1440
				L	1750	1640	1390	1270	—

(1) Based on dry coil and clean filter installed.  
Use .96 as approximate correction factor for wet coil.

## DIMENSIONS (inches)

MODEL	A	B	C	D	E	F	G
AHB1324, 1330	17 <sup>1</sup> / <sub>2</sub>	21	15	17 <sup>1</sup> / <sub>2</sub>	16	12 <sup>5</sup> / <sub>8</sub>	40 <sup>3</sup> / <sub>4</sub>
AHB1336, 1348, 1361	21 <sup>1</sup> / <sub>2</sub>	25	19 <sup>1</sup> / <sub>4</sub>	22 <sup>1</sup> / <sub>4</sub>	19 <sup>5</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>4</sub>	49 <sup>3</sup> / <sub>4</sub>



## DOWNFLOW CONVERSION KITS

MODEL	KIT NUMBER
AHB1324	DFK41-14C
AHB1330	DFK41-14C
AHB1336	DFK15-20C
AHB1348	DFK15-20C
AHB1361	DFK15-20C

## EXTENDED RANGE DATA (based on entering water temp and 65 degrees entering air temp)

MODEL	HEATING NOM. SCFM*	130°F	140°F	150°F	160°F	170°F	180°F	GPM	P.D. FT. H <sub>2</sub> O
AHB1324	790H	29,000	33,000	38,000	42,800	47,600	52,000	4	2.3
AHB1330	980H	34,000	39,000	43,000	48,500	56,000	62,500	4	2.3
AHB1336	1170L	45,000	50,000	60,000	67,000	74,000	82,000	4	1.4
AHB1348	1740H	59,000	67,000	78,000	88,000	97,000	107,000	4	.80
AHB1361	1900H	69,000	80,000	91,000	102,500	113,500	125,000	7	2.5

\* H=High, L=Low

## AHB EXTENDED RANGE DATA (based on water flow)

MODEL	180°F ENTERING WATER							
	2.0 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM	7.0 GPM	8.0 GPM	9.0 GPM
AHB1324	43,250	48,250	52,000	54,200	55,800	N/A	N/A	N/A
AHB1330	50,400	58,200	63,000	66,200	68,500	N/A	N/A	N/A
AHB1336	65,000	74,500	82,000	87,000	90,700	N/A	N/A	N/A
AHB1348	74,300	93,000	107,000	115,100	122,000	N/A	N/A	N/A
AHB1361	75,900	95,700	109,500	119,600	123,300	125,000	128,600	133,000

Heat Controller has been in the business of keeping homes comfortable in all seasons since 1933. We offer a full line of energy efficient, quality constructed products including furnaces, heat pumps, air conditioners, dehumidifiers, duct-less mini-split systems, and systems designed specifically for mobile homes. Our commercial/industrial line provides comfort solutions with capacities up to 30 tons. Each of the products is backed by outstanding warranty coverage and after-sales support.

Your contractor or local dealer can help you select the equipment that is best suited to your needs and lifestyle.

...And for the best in year 'round comfort, AHB air handlers are ideally matched with our 13 SEER condensing units, available in a wide range of sizes and featuring the industry's best warranty—12 years on the compressor and 6 years on other components.

Specifications and performance data subject to change without notice.

## HEAT CONTROLLER, INC.

1900 WELLWORTH AVENUE • JACKSON, MICHIGAN 49203  
*THE QUALITY LEADER IN CONDITIONING AIR*

***visit us at [www.heatcontroller.com](http://www.heatcontroller.com)***