



## HYDRONIC AIR HANDLERS

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

Allows the coil to warm before the blower is energized to prevent cold air release

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

Allow fast, simple connections

### **Non-corrosive Drain Pans**

Includes primary and secondary drains for either left or right hand connections

### **Slide-Out Blower Assembly**

Makes service and maintenance fast

### **Factory Installed Air Filter**

Uses industry standard sizes

### **Freeze Protection for Both Heating and Cooling**

Protects the entire system year 'round

### **3/4" Water Connections**

Assures proper installation hook-up

### **Multi-Position—Vertical or Horizontal left or right**

### **For Boiler Loop Application**

## AHG SERIES FOR R-410A



**1 1/2 to 5 TONS**

## CABINET FEATURES

- Cabinet is galvanized steel for maximum corrosion protection; front and top are painted steel
- Interlocking panels eliminate air leakage
- Cabinet is lined with 1" foil-faced insulation

## EVAPORATOR COIL

- Aluminum fin/copper tube, TXV for R-410A included
- Primary and secondary drains
- Dual drain pans for multi-position

## HYDRONIC COIL

- Freeze protection switch included
- Aluminum fin/copper tube construction
- Manual air vent and drain valves
- 3/4" sweat water connections

## 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

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

The AHG 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 for 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 or horizontally left or right; can be installed with zero clearance to combustible materials
- See [www.ahridirectory.org](http://www.ahridirectory.org) for matched units.



### AHG Specifications

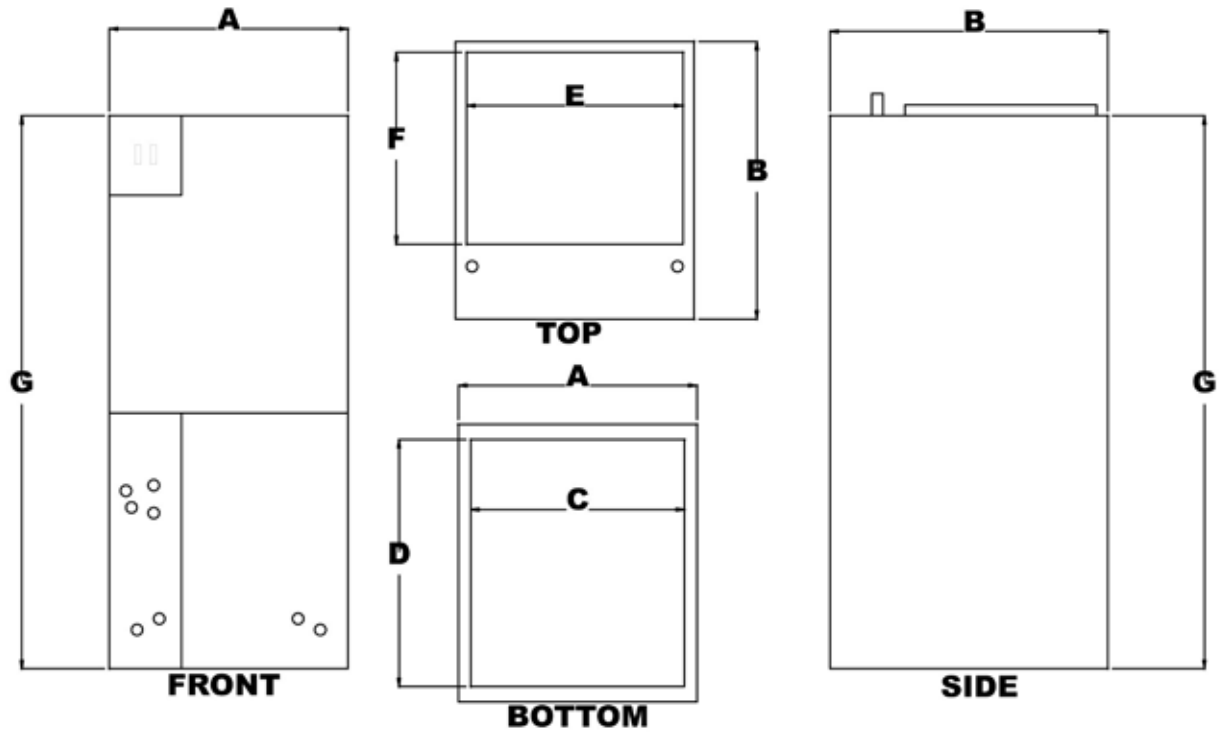
Model Number	Nominal Tons	Blower HP	CFM @ 0.20"	Heating Capacity BTUH	Filter Size (in.)	Blower Dimensions (in.)	Shipping Wt. (lbs)
AHG24-0A	1.5 - 2.0	1/4	800	20,000-30,000	16 x 20 x 1	10 x 6	140
AHG30-0A	2.5	1/3	1000	30,000-39,000	16 x 20 x 1	10 x 7	140
AHG36-0A	3.0 - 3.5	1/3	1330	41,000-50,000	20 x 25 x 1	10 x 8	199
AHG48-0A	3.0 - 4.0	3/4	1740	43,000-67,000	20 x 25 x 1	11 x 9	199
AHG60-0A	5.0	3/4	2000	62,000-80,000	20 x 25 x 1	11 x 11	199

### Fan Data with Hot Water Heat

Model No.	Nom. Tons	Motor HP @ 230/1	Blower Speed	CFM @ 0.10"	CFM @ 0.20"	CFM @ 0.30"	CFM @ 0.40"	CFM @ 0.50"
AHG24-0A	1.5 - 2.0	1/4	High	850	800	760	720	680
			Med	825	775	715	690	670
			Low	780	715	655	630	—
AHG30-0A	2.5	1/3	High	1010	980	930	865	830
			Med	975	935	895	845	800
			Low	950	900	860	810	—
AHG36-0A	3.0 - 3.5	1/3	High	1360	1310	1270	1230	1190
			Med	1340	1250	1170	1090	1060
			Low	1280	1170	1040	970	—
AHG48-0A	3.0 - 4.0	3/4	High	1860	1740	1640	1530	1480
			Med	1789	1620	1510	1390	1280
			Low	1680	1500	1320	1250	—
AHG60-0A	5.0	3/4	High	1950	1900	1845	1770	1720
			Med	1820	1750	1620	1470	1440
			Low	1750	1640	1390	1270	—

## Dimensions (in.)

Model No.	A	B	C	D	E	F	G
AHG 24, 30	17 <sup>1</sup> / <sub>2</sub>	21	15	17 <sup>1</sup> / <sub>2</sub>	16	12 <sup>5</sup> / <sub>8</sub>	39 <sup>3</sup> / <sub>4</sub>
AHG 36, 48, 60	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>



## Electrical Data

Model No.	Nom. Tons	Nom. CFM	HP	Volts/Ph.	FLA	MCA	MOCP
AHG24	1.5 - 2.0	800	1/4	115-1-60	3.2	4.0	10.0
AHG30	2.5	1000	1/3	115-1-60	6.2	7.8	15.0
AHG36	3.0 - 3.5	1330	1/3	115-1-60	6.2	7.8	15.0
AHG48	3.0 - 4.0	1740	3/4	115-1-60	9.5	11.8	20.0
AHG60	5.0	2000	3/4	115-1-60	9.5	11.8	20.0

## Hot Water Heating Capacity

Model Number	Nom. CFM Fan Speed	Electric Heat				GPM	WPD	APD
		120°F	140°F	160°F	180°F			
AHG24	715-M	12,820	18,310	23,940	29,700	4.0	2.5	0.14
AHG30	950-H	20,740	29,630	38,760	48,090	4.0	2.3	0.23
AHG36	1290-H	27,140	38,730	50,610	62,730	4.0	2.4	0.23
AHG48	1720-H	36,290	51,740	67,570	83,720	4.0	2.4	0.52
AHG60	1950-H	46,370	65,940	85,900	106,180	7.0	2.9	0.64

Operation of AHG Air Handler with hot water heat—air handler blower is energized by a conventional heating thermostat. Field installed pump (not included) circulates water from the water heater to the heating coil in the air handler, and the blower circulates warm air through the duct system.

NOTE: Air handlers are capable of using hot water from other sources such as boilers as long as the water temperature does not exceed 180°F.

MARS 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, ductless mini-split systems, and systems designed specifically for geothermal installations. Our commercial/industrial line provides comfort solutions with capacities up to 25 tons. Each of the products in our line 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.



*The AHG Series of high efficiency air handlers comes charged with R-410A, an environmentally friendly refrigerant. Refrigerants used in the past contained chlorine which, when released to the atmosphere, combined with oxygen molecules from the earth's vital ozone layer, destroying this barrier that protects us from the sun's harmful ultraviolet rays. Soon all CFC and HCFC refrigerants used around the world will be replaced by non-ozone depleting types such as the R-410A already in use in our equipment.*

**Design, specifications, performance data and materials  
subject to change without notice.**



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