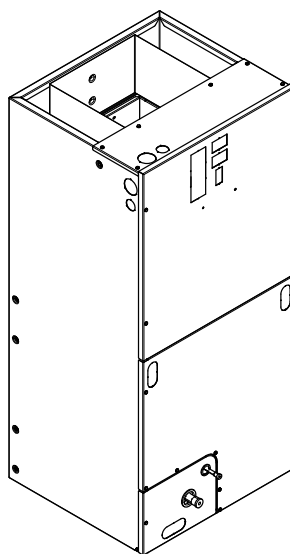
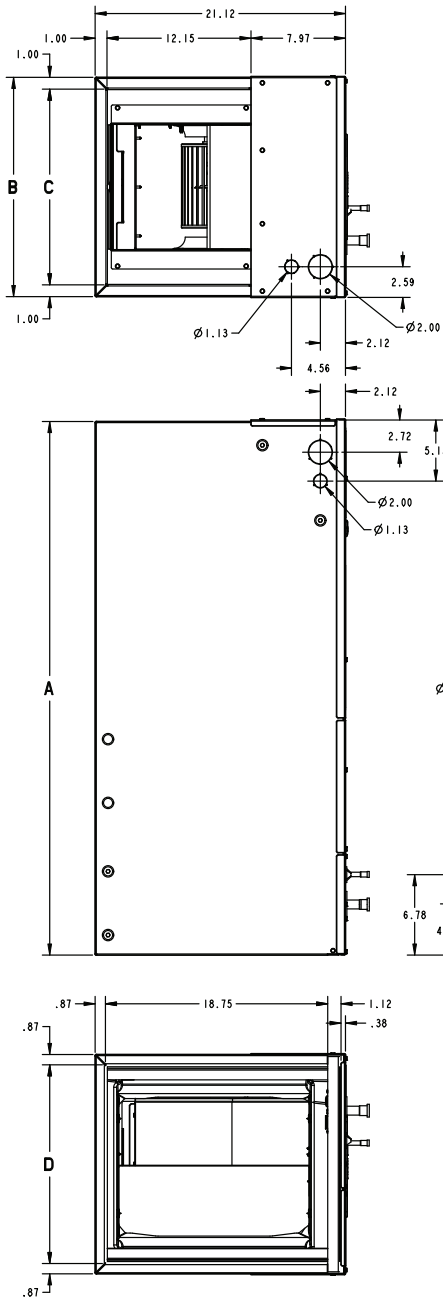


Submittal

**2.0 Ton
Convertible Air Handler
A4AH4P24A1B60B**

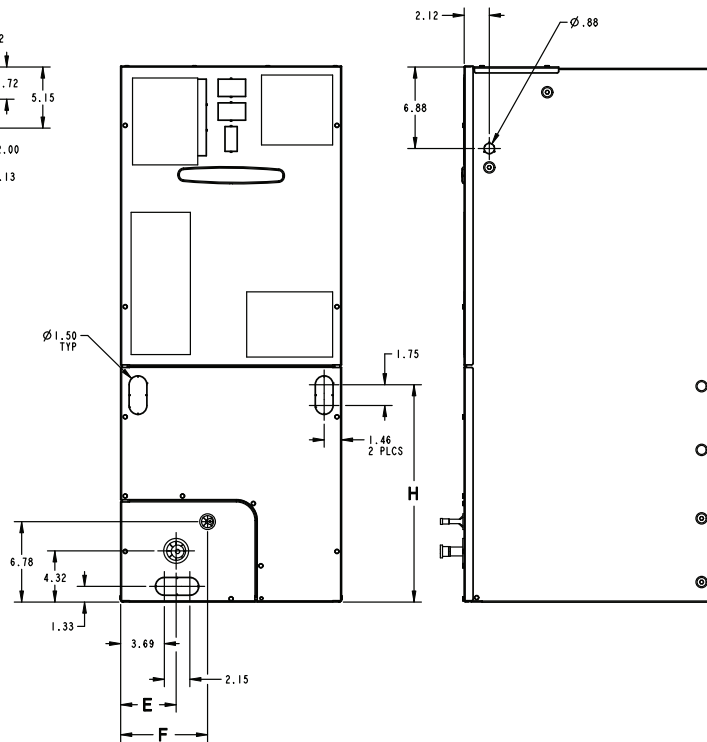


Outline Drawing



MINIMUM UNIT CLEARANCE TABLE	
	SERVICE CLEARANCE (RECOMMENDED)
SIDES	2"
FRONT	21"
BACK	0"
INLET DUCT	1"
OUTLET DUCT	N/A

NOTE: THIS UNIT IS APPROVED FOR INSTALLATION CLEARANCES TO COMBUSTIBLE MATERIAL AS STATED ON THE UNIT RATING NAMEPLATE



PRODUCT DIMENSIONS									
Air Handler Model	A	B	C	D	E	F	H	Flow Control	Gas Line Braze
A4AH4P24	45.02	18.50	16.50	16.75	4.68	7.33	18.34	Orifice	3/4

All dimensions are in inches

Product Specifications

MODEL	A4AH4P24A1B60B
RATED VOLTS/PH/HZ	208-230/1/60
RATINGS^(a)	See O.D. Specifications
INDOOR COIL — Type	Plate Fin
Rows — F.P.I.	3 - 14
Face Area (sq. ft.)	4.37
Tube Size (in.)	3/8
Refrigerant Control	0.059 Orifice Piston
Drain Conn. Size (in.) ^(b)	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing
INDOOR FAN — Type	Centrifugal
Diameter-Width (In.)	11 X 6
No. Used	1
Drive - No. Speeds	Direct - 3
CFM vs. in. w.g.	See Fan Performance Table
No. Motors — H.P.	1 - 1/5
Motor Speed R.P.M.	825
Volts/Ph/Hz	208-230/1/60
F.L. Amps	1.2
FILTER	
Filter Furnished? ^(c)	No
REFRIGERANT	R-410A/R-22
Ref. Line Connections	Brazed

Coupling or Conn. Size — in. Gas	3/4
Coupling or Conn. Size — in. Liq.	3/8
DIMENSIONS	H x W x D
Crated (In.)	46 x 21 x 24
Uncrated	45-1/8 x 18-1/2 x 21-1/8
WEIGHT	
Shipping (Lbs.) / Net (Lbs.)	116/110

(a) These Air Handlers are A.H.R.I certified with various Split System Air Conditioners and Heat Pumps (AHRI STANDARD 210/240). Refer to the Split System Outdoor Unit Product Data Guides for performance data.

(b) 3/4" Male Plastic Pipe (Ref: ASTM 1785-76)

(c) Remote filter required.

Minimum Airflow CFM

A4AH4P24A1B60B		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505LUG	Med	Low
BAYHTR1508BRK, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510LUG, BAYHTR3510LUG	Med	Low

Fixed Orifice Superheat Charging Table

		Indoor Wet Bulb Temp (F)																													
		50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	
Outdoor Dry Bulb Temperature (F)	55	7	9	10	11	12	14	15	17	18	20	21	23	24	26	27	29	30													
	60	5	7	8	9	10	12	13	15	16	18	19	21	22	24	25	27	28	30	31											
	65			4	6	8	10	11	13	14	16	17	18	19	21	22	24	25	27	28	27	31									
	70					5	7	8	10	11	13	14	16	17	18	19	21	22	24	25	27	28	30	31							
	75							5	6	7	9	10	12	14	16	18	19	21	22	24	26	28	29	31	32						
	80										4	6	7	9	10	11	12	14	16	18	19	21	23	25	26	28	29	31	33		
	85											4	6	7	9	10	13	14	16	18	20	21	23	24	26	28	29	30	31	32	
	90													4	6	8	10	11	13	14	16	18	20	22	24	25	27	28	30	31	
	95															4	6	8	10	13	14	16	18	20	22	23	25	26	28	29	
	100																	6	8	10	12	13	16	18	20	21	23	25	27	29	
	105																	4	6	7	9	11	13	15	18	20	22	24	26	28	
	110																			4	7	9	11	13	16	18	21	23	26	28	
	115																						6	9	12	14	16	19	21	24	26

Using a digital psychrometer, measure the return air wet-bulb temperature at the unit just before the coil. Also measure the outdoor dry-bulb temperature. Use these temperatures to locate the target superheat on the charging table. Do not attempt to charge the system if these conditions fall outside of this charging table.
 ADD refrigerant to DECREASE total superheat. REMOVE refrigerant to INCREASE total superheat. Always allow 10 to 15 minutes of operation after any refrigerant or air flow change prior to determining the final superheat.

Heater Pressure Drop Table

A4AH4 Air Handler Models

Airflow CFM	Number of Racks				Heater Racks	
	1	2	3	4	Heater Model	No. of Racks
	Air Pressure Drop — Inches W.G.					
1800	0.02	0.04	0.06	0.14	BAYHTR1504	1
1700	0.02	0.04	0.06	0.14	BAYHTR1505	1
1600	0.02	0.04	0.06	0.13	BAYHTR1508	2
1500	0.02	0.04	0.06	0.12	BAYHTR1510	2
1400	0.02	0.04	0.06	0.12	BAYHTR3510	3
1300	0.02	0.04	0.05	0.11	BAYHTR1517	3
1200	0.01	0.04	0.05	0.10	BAYHTR3517	3
1100	0.01	0.03	0.05	0.09	BAYHTR1525	4
1000	0.01	0.03	0.04	0.09		
900	0.01	0.03	0.04	0.08		
800	0.01	0.03				
700	0.01	0.02				
600	0.01	0.02				

Performance and Electrical Data

1. See Product Data or Air Handler nameplate for approved combinations of Air Handlers and Heaters.
2. Heater model numbers may have additional suffix digits.

Table 1. Air Flow Performance

A4AH4P24A1B60B^(a)						
EXTERNAL STATIC (in w.g)	AIRFLOW					
	Speed Taps — 230 VOLTS			Speed Taps — 208 VOLTS		
	High	Med	Low †	High	Med	Low †
0.1	1094	927	773	1052	849	658
0.2	1032	880	735	990	807	624
0.3	955	818	678	915	750	578
0.4	864	739	601	826	679	518
0.5	759	645	505	723	591	441
0.6	639	534	389	606	490	
0.7	505	408		476	374	

1. Values are with wet coil, no filter, and no heaters
 2. CFM Correction for dry coil = Add 3%
 3. † = Factory setting

^(a) For A4AH4P24A1B60B, the recommended speed tap is medium at 0.4" external static pressure.

Table 2. Electrical Data

A4AH4P24A1B60B											
Heater Model No.	No. of Circuits/ Phases	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater				1.2 *	2	15			1.2 *	2	15
BAYHTR1504BRK BAYHTR1504LUG	1/1	3.84	13100	16.0	22	25	2.88	9800	13.8	19	20
BAYHTR1505BRK BAYHTR1505LUG	1/1	4.80	16400	20.0	27	30	3.60	12300	17.3	23	25
BAYHTR1508BRK BAYHTR1508LUG	1/1	7.68	26200	32.0	42	45	5.76	19700	27.7	36	40
BAYHTR1510BRK BAYHTR1510LUG	1/1	9.60	32800	40.0	52	60	7.20	24600	34.6	45	45
BAYHTR3510LUG	1/3	9.60	32800	23.1	30	30	7.20	24600	20.0	26	30

* = Motor Amps

Features and Benefits

- Galvanized metal cabinet with captured foil face insulation
- 2% or less air leakage
- R-4.2 Insulating Value
- Multi-Position UP/Down Flow, Horizontal Left /Right
- ALL Aluminum Coil with Enhanced Patented Coil Fin
- Electric Heaters with polarized plug connections (sold as accessory)
- R-410A/R-22 Orifice Piston
- ECM Motor (**3.5 – 5 Ton Models**)
- Low Voltage Pigtail Connections
- Draw Through Design
- Horizontal Drain pan
- Single Color
- Fused 24V Power
- **5 year warranty**
- **Optional extended warranty available**

Important: Condensate management kit is required for all 5 ton air handler models installed in downflow applications.

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