

Split System Air Handlers Single Phase 1½-5 Tons



A4AH4
Multi-position
Air Handlers

Table AMAH-1-A — R-410A 14.3 SEER2 Multi-position Air Handlers 208-230/1/60

Model Number	Capacity Range (Tons)	Uncrated Dimensions (in.)			Shipping Weight (lbs.)	Supply Opening	Return Opening	Refrigerant Control	Motor Desc.	Line Size (in)	
		H	W	D						Gas	Liquid
A4AH4E24A1B60A	1.5 - 3.0	45.02	18.50	21.13	116	12.15 x 16.50	18.75 x 16.75	FCCV	1/3 HP CTM	3/4	3/8
A4AH4E30A1B30A	1.5 - 3.0	46.77	18.50	21.13	145	12.15 x 16.50	18.75 x 16.75	TXV	1/3 HP CTM	3/4	3/8
A4AH4E36A1C30A	2.5 - 4.0	51.27	23.50	21.13	155	12.15 x 21.50	18.75 x 21.75	TXV	1/2 HP CTM	7/8	3/8
A4AH4E42B1C30A	3.0 - 4.0	51.27	23.50	21.13	155	12.15 x 21.50	18.75 x 21.75	TXV	1/2 HP CTM	7/8	3/8
A4AH4E48B1C30A	3.5 - 5.0	57.40	23.50	21.13	185	12.15 x 21.50	18.75 x 21.75	TXV	3/4 HP CTM	7/8	3/8
A4AH4E60B1C30A	3.5 - 5.0	57.40	23.50	21.13	185	12.15 x 21.50	18.75 x 21.75	TXV	3/4 HP CTM	7/8	3/8



A4AH5
Multi-position
Air Handlers

Table AMAH-1-B — R-410A 15.2 SEER2 Multi-position Air Handlers 208-230/1/60

Model Number	Capacity Range (Tons)	Uncrated Dimensions (in.)			Shipping Weight (lbs.)	Supply Opening	Return Opening	Refrigerant Control	Motor Desc.	Line Size (in)	
		H	W	D						Gas	Liquid
A4AH5E19A1B30A	1.0 - 2.0	45.20	18.50	21.13	116	12.15 x 16.50	18.75 x 16.75	TXV	1/3 HP CTM	3/4	3/8
A4AH5E31A1B30A	1.5 - 3.0	46.77	18.50	21.13	126	12.15 x 16.50	18.75 x 16.75	TXV	1/3 HP CTM	3/4	3/8
A4AH5E43A1C30A	3.0 - 4.0	51.27	23.50	21.13	145	12.15 x 21.50	18.75 x 21.75	TXV	1/2 HP CTM	7/8	3/8
A4AH5E49A1C30A	3.5 - 5.0	57.40	23.50	21.13	185	12.15 x 21.50	18.75 x 21.75	TXV	3/4 HP CTM	7/8	3/8
A4AH5E61A1C30A	3.5 - 5.0	57.40	23.50	21.13	185	12.15 x 21.50	18.75 x 21.75	TXV	3/4 HP CTM	7/8	3/8
A4AH5V24A1B30A	1.5 - 2.5	46.77	18.50	21.13	126	12.15 x 16.50	18.75 x 16.75	TXV	1/3 HP VS	7/8	3/8
A4AH5V30A1B30A	2.0 - 3.0	46.77	18.50	21.13	126	12.15 x 16.50	18.75 x 16.75	TXV	1/2 HP VS	3/4	3/8
A4AH5V36A1C30A	2.0 - 3.5	51.27	23.50	21.13	145	12.15 x 21.50	18.75 x 21.75	TXV	1/2 HP VS	3/4	3/8
A4AH5V42A1C30A	3.0 - 5.0	51.27	23.50	21.13	145	12.15 x 21.50	18.75 x 21.75	TXV	1/2 HP VS	7/8	3/8
A4AH5V48A1C30A	3.0 - 5.0	57.40	23.50	21.13	185	12.15 x 21.50	18.75 x 21.75	TXV	3/4 HP VS	7/8	3/8
A4AH5V60A1C30A	3.5 - 5.0	57.40	23.50	21.13	185	12.15 x 21.50	18.75 x 21.75	TXV	3/4 HP VS	7/8	3/8

COMING SOON – Q2 2023



E4AH5
Upflow/Horizontal
Air Handlers

Table AMAH-1-C — R-410A 15.2 SEER2 Upflow/Horizontal Air Handlers 208-230/1/60 (Specific for E4HL OD)

Model Number	Capacity Range (Tons)	Uncrated Dimensions (in.)			Shipping Weight (lbs.)	Supply Opening	Return Opening	Refrigerant Control	Motor Desc.	Line Size (in)	
		H	W	D						Gas	Liquid
E4AH5E24A1J30A	1.5 - 2.0	46.50	21.00	21.00	123	10.312 x 19.25	16 x 13.875	TXV	1/2 HP CTM	3/4	3/8
E4AH5E36A1J30A	2.5 - 3.0	46.00	21.00	21.00	154	10.312 x 19.25	16 x 13.875	TXV	1/2 HP CTM	3/4	3/8
E4AH5E48A1K30A	3.5 - 4.0	56.00	24.50	21.00	207	10.312 x 22.75	16 x 15.25	TXV	3/4 HP CTM	7/8	3/8
E4AH5E60A1K30A	5.0	56.00	24.50	21.00	212	10.312 x 22.75	16 x 15.25	TXV	3/4 HP CTM	7/8	3/8

Notes:
Filter not supplied, remote filter required.
E4AH models compatible ONLY with E4HL side discharge outdoor.
Copper tube, aluminum fin design
Electric heat kit available, reference installer's guide

Split System Air Handlers

Single Phase 1½-5 Tons

Table AMAH-2-A – Features

	A4AH4	A4AH5
• Multi-Position Upflow / Downflow*, Horizontal Left /Right	✓	✓
• Unpainted galvanized metal cabinet with captured foil face insulation	✓	✓
• R-4.2 Insulating Value	✓	✓
• Wipeable interior design.....	✓	✓
• 2% or less air leakage	✓	✓
• All Aluminum Coil with Enhanced Patented Coil Fin	✓	✓
• Factory installed orifice with mechanical connections on both sides.....	2.0	—
• Factory installed R-410A Thermal Expansion Valve with mechanical connections on both sides.....	2.5-5.0	✓
• Optional field installed TXV kits with mechanical fittings for higher performance	2.0	—
• Constant Torque ECM Motor.....	✓	A4AH5E
• VSPD ECM Motor	—	A4AH5V
• Electric Heaters with polarized plug connections (sold as accessory & field installed).....	✓	✓
• Low Voltage Pigtail Connections	✓	✓
• Fused 24V Power.....	✓	✓
• Maximum Width 23.5".....	✓	—
• Compact depth.....	21"	21"
• Draw through design.....	✓	✓
• Approved for manufactured/mobile home use	✓	✓
• 5-year functional parts limited warranty/No Registration Required	✓	✓
• 10-year functional parts warranty with product registration*	✓	✓
• Commercial Applications: Limited Warranty. All other functional parts 1 year	✓	✓

* Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at ameristarthvac.com or by phone at 855-260-2975, otherwise Ameristar's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.

Table AMAH-2-B – Optional Accessories

Model Number	Description	Matches Cabinet Size(s)	A4AH4	A4AH5
BAYTEMSPFG1	Supply Duct Flange Kit	18.5" and 23.5	✓	✓
BAYSPEKT201A	Single Point Power Entry Kit	18.5" and 23.5	✓	✓
TAYBASE185.....	Air Handler Downflow Sub-Bases.....	18.5"	✓	✓
TAYBASE235 (TAYBASE100) ..	Air Handler Downflow Sub-Bases.....	23.5"	✓	✓
BAYTEMDFKT1A.....	Downflow Condensate Management Kit.....	23.5"①.....	✓	✓
BAYAHEMIKIT001	Air handler Electronic Noise Kit used on Variable Speed Blower Motor ....	.....	✓	✓
TEMBRKSEALKT01A.....	Breaker Seal Kit for use with BAYHTR15 4kW 20 kW Heaters.....	.....	✓	✓
BAYSF1185AAA.....	Slim Fit Filter Box Kit	18.5"	✓	✓
BAYSF1235AAA.....	Slim Fit Filter Box Kit	23.5"	✓	✓
FLRSF1185	1" Slim Fit Replacement Filter, 17.75"x19.75", Qty 12	18.5"	✓	✓
FLRSF1235	1" Slim Fit Replacement Filter, 22.75"x19.75", Qty 12.....	23.5"	✓	✓
BAY4TXV1830A	R-410A TXV kit .....	.....	1½-2½/2	—
BAYATXV1836B	R-22 TXV conversion kit .....	.....	1½-2½/2	—
BAYATXV4248B	R-22 TXV conversion kit .....	.....	3-4	—
BAYATXV6161B	R-22 TXV conversion kit .....	.....	5	—
BAY6TXV2442A	R-22 conversion kit for 2-3.5 Ton models.....	.....	—	✓
BAY6TXV4860A	R-22 conversion kit for 4-5 Ton D models .....	.....	—	✓
BAY6TXV6161C	R-22 conversion kit for 4-5 Ton C models .....	.....	—	✓

① Downflow condensate management kit is required for 5 Ton downflow models.

Heaters for Split System Air Handlers

Table AMAH-3-A – BAYHTR15 – Heater, Standard, for A4AH4 and A4AH5 Air Handlers

Heater Model Number	Capacity @ 240 Volts		Capacity @ 208 Volts		Rated Voltage	Control Stages	Number of Heater Racks	Number of Circuits	Heater Amps per Circuit		Contains Circuit Breakers
	kW	BTUH	kW	BTUH					208 Volts	240Volt	
BAYHTR1504BRKC	3.84	13100	2.88	9800	208/240/1/60	1	1	1	13.8	16	Yes
BAYHTR1504LUGB	3.84	13100	2.88	9800	208/240/1/60	1	1	1	13.8	16	No
BAYHTR1505BRKC	4.80	16400	3.60	12300	208/240/1/60	1	1	1	17.3	20	Yes
BAYHTR1505LUGB	4.80	16400	3.60	12300	208/240/1/60	1	1	1	17.3	20	No
BAYHTR1508BRKC	7.68	26200	5.76	19700	208/240/1/60	1	1	1	27.7	32	Yes
BAYHTR1508LUGB	7.68	26200	5.76	19700	208/240/1/60	1	1	1	27.7	32	No
BAYHTR1510BRKC	9.60	32800	7.20	24600	208/240/1/60	1	2	1	34.6	40	Yes
BAYHTR1510LUGB	9.60	32800	7.20	24600	208/240/1/60	1	2	1	34.6	40	No
BAYHTR1515BRKB	14.4	49200	10.8	36900	208/240/1/60	2	3	2	51.9	60	Yes
BAYHTR1516BRKA	14.4	49200	10.8	36900	208/240/1/60	2	3	2	51.9	60	Yes
BAYHTR1517BRKA	14.4	49200	10.8	36900	208/240/1/60	2	3	2	51.9	60	Yes
BAYHTR1519BRKB	19.2	65500	14.4	49200	208/240/1/60	2	4	2	69.2	80	Yes
BAYHTR1520BRKB	19.2	65500	14.4	49200	208/240/1/60	2	4	2	69.2	80	Yes
BAYHTR1521BRKB	19.2	65500	14.4	49200	208/240/1/60	2	4	2	69.2	80	Yes
BAYHTR1522BRKA	19.2	65500	14.4	49200	208/240/1/60	2	4	2	69.2	80	Yes
BAYHTR1523BRKA	19.2	65500	14.4	49200	208/240/1/60	2	4	2	69.2	80	Yes
BAYHTR1525BRKA	24.0	81900	18.0	61600	208/240/1/60	2	4	2	86.4	100	Yes

Table AMAH-3-B – BAYHTR35 – Heater, 3-Phase, for A4AH4 and A4AH5 Air Handlers

Heater Model Number	Capacity @ 240 Volts		Capacity @ 208 Volts		Rated Voltage	Control Stages	Number of Heater Racks	Number of Circuits	Heater Amps per Circuit		Contains Circuit Breakers
	kW	BTUH	kW	BTUH					208 Volts	240Volt	
BAYHTR3510LUGC	9.60	32800	7.20	24600	208/240/3/60	1	3	1	20.0	23.1	No
BAYHTR3515LUGC	14.4	49200	10.8	36900	208/240/3/60	1	3	1	30.0	34.6	No
BAYHTR3517LUGA	14.4	49200	10.8	36900	208/240/3/60	1	3	1	30.0	34.6	No

BRK = Contains circuit breakers

LUG = Lug connections

① 3-Phase - W1 and W2 must be jumpered at low voltage connector

Table AMAH-3-C – A4AH4 and A4AH5 Air Handler and Heater matches

AIR HANDLER	HEATER MATRIX				
	HEATER MODEL NUMBER				
MODEL NUMBER	BAYHTR1504BRKC BAYHTR1504LUGB 3.84 Kw BK BAYHTR1505BRKC BAYHTR1505LUGB 4.80 Kw BK	BAYHTR1508BRKC BAYHTR1508LUGB 7.68 Kw BK BAYHTR1510BRKC BAYHTR1510LUGB BAYHTR3510LUGC 9.60 Kw BK	BAYHTR1517BRKA BAYHTR3517LUGA 14.40 Kw BK	BAYHTR1523BRKA 19.20 Kw BK	BAYHTR1525BRKA 24.00 Kw BK
A4AH4E24A1B60A	Y	Y	--	--	--
A4AH4E30A1B30A	Y	Y	Y	--	--
A4AH4E36A1C30A	Y	Y	Y	Y	Y
A4AH4E42B1C30A	Y	Y	Y	Y	Y
A4AH4E48B1C30A	Y	Y	Y	Y	Y
A4AH4E60B1C30A	Y	Y	Y	Y	Y
A4AH5E19A1B30A	Y	Y			
A4AH5V24A1B30A	Y	Y	Y		
A4AH5V30A1B30A	Y	Y	Y		
A4AH5E31A1B30A	Y	Y	Y	Y	
A4AH5V36A1C30A	Y	Y	Y	Y	
A4AH5V42A1C30A	Y	Y	Y	Y	
A4AH5E43A1C30A	Y	Y	Y	Y	
A4AH5E49A1C30A	Y	Y	Y	Y	Y
A4AH5E61A1C30A	Y	Y	Y	Y	Y
A4AH5V48A1C30B	Y	Y	Y	Y	Y
A4AH5V60A1C30B	Y	Y	Y	Y	Y

TMM Wall, Stud, or Over the Water Heater Mount Air Handlers Single Phase 1½-3 Tons



Table AMAH-4-A – TMM5 R-410A Wall, Stud, or Over the Water Heater Mount Air Handler 208-230/1/60, ECM Motor, Factory installed R-410A TXV, all aluminum coil, Cooling & Limited Heating

Unit Model No.	Cooling Capacity (Btuh)	Dimensions (in.) H x W x D	Shipping Weight (lbs.)	Supply Opening	Filter Sizes	Line Size	
						Gas	Liquid
TMM5B0A24M21SA	24000	36.5 x 20.5 x 15.0	93	15 x 9.5	①	3/4	3/8
TMM5B0B30M21SA	30000	39.5 x 22.0 x 19.0	115	19 x 9.5	①	3/4	3/8
TMM5B0B36M31SA	36000	39.5 x 22.0 x 19.0	115	19 x 9.5	①	3/4	3/8

Table AMAH-4-B – TMM4 R-410A Wall, Stud, or Over the Water Heater Mount Air Handler 208-230/1/60, PSC Motor, Factory installed R-410A orifice, all aluminum coil, Cooling & Heating

Unit Model No.	Cooling Capacity (Btuh)	Dimensions (in.) H x W x D	Shipping Weight (lbs.)	Supply Opening	Filter Sizes	Line Size	
						Gas	Liquid
TMM4B0A18S21SA	18000	36.5 x 20.5 x 15.0	97	15 x 9.5	1	3/4	3/8
TMM4B0A24S21SA	24000	36.5 x 20.5 x 15.0	97	15 x 9.5	1	3/4	3/8
TMM4B0B30S21SA	30000	39.5 x 22.0 x 19.0	119	19 x 9.5	1	3/4	3/8
TMM4B0B36S31SA	36000	39.5 x 22.0 x 19.0	119	19 x 9.5	1	3/4	3/8

① Filter not supplied. Remote filter required.

Table AMAH-4-C – Features

	TMM5B 2-3	TMM4B 1-1/2-3
• Painted metal cabinet with captured foil face insulation	✓	✓
• 2% or less air leakage	✓	✓
• All aluminum coil	✓	✓
• Direct drive, multi speed ECM blower motor - Constant torque ECM (electronically commutated motor) with fan-off time delay programming.....	✓	—
• PSC Motor.....	—	✓
• Limited HP matched system ratings	—	✓
• R-4.2 Insulating Value	✓	✓
• Upflow only	✓	✓
• Front return option	✓	✓
• High Efficiency Copper / Aluminum Coil	✓	✓
• Electric Heaters with polarized plug connections (sold as accessory)	✓	✓
• R-410A Thermal Expansion Valve	✓	—
• Low Voltage Pigtail Connections	✓	✓
• Single Color	✓	✓
• Fused 24V Power	✓	✓
• Wipeable interior design.....	✓	✓
• Maximum Height 39.5".....	✓	✓
• Maximum Width 22"	✓	✓
• Compact 22" depth	✓	✓
• Optional R-22 and R-410A TXV kits (sold as accessory)	✓	✓
• 10-year functional parts warranty with product registration	✓	✓
• Commercial Applications: Limited Warranty. All other functional parts 1 year	✓	✓

TMM Wall, Stud, or Over the Water Heater Mount Air Handlers Single Phase 1 1/2-3 Tons

Table AMAH-5-A – Optional Accessories

Model Number	Description	TMM5B	TMM4B
4AYTXVH3G2436A	R-410A TXV kit 1-1/2 to 3 ton.....	—	✓
2AYTXVH3G2436A	R-22 TXV conversion kit 1-1/2 to 3 ton.....	✓	✓
BAYFRTLLOUPNL20.....	Front louver panel 20.5" width	—	✓
BAYFRTLLOUPNL22.....	Front louver panel 22.0" width	✓	✓
BAYTMMWALLPNL1..	Return air / service wall panel (Qty 20)	✓	✓

Heaters for TMM Split System Air Handlers

Table AMAH-5-B – BAYHTRM – Heater, Standard, for TMM Air Handlers

Heater Model Number	Capacity@ 240 Volts		Capacity@ 208 Volts		Rated Voltage	Control Stages	Number of Heater Racks	Number of Circuits	Heater Amps per Circuit		Contains Circuit Breakers
	kW	BTUH	kW	BTUH					208 Volts	240Volt	
BAYHTRM505BRK	5.0	17100	3.8	12800	208/240/1/60	1	1	1	18	20.8	Yes
BAYHTRM508BRK	7.5	25600	5.6	19200	208/240/1/60	1	1	1	27.1	31.2	Yes
BAYHTRM510BRK	10.0	34100	7.5	25600	208/240/1/60	1	2	1	36.1	41.7	Yes