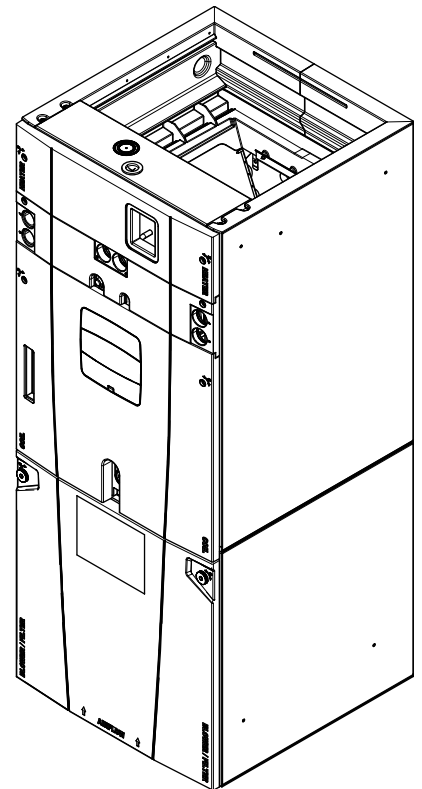




# Product Data

## Variable Speed Modular Multi-position Air Handlers 2–5 Tons

TAM7A0A24H21SC	TAM7A0C42H31SC
TAM7A0B30H21SC	TAM7A0C48H41SC
TAM7A0C36H31SC	TAM7B0C60H51SB





## Features and Benefits

- Unique cabinet design
  - 2% or less air leakage
  - Precision applied — durable door seals
  - Specially designed air seal around refrigerant, condensate and conduit connections
  - Double wall foamed cabinet system
  - R-4.2 Insulating Value (Avg Insulating Value R-8.2)
  - No loose fiber design
  - Smooth cleanable interior design
  - Sweat eliminating design
  - Composite foamed cabinet doors
  - Water proof cabinet design
  - Integrated horizontal drain pans
  - Modular cabinet
- Multi-position up/down flow horizontal left/right
- Side return option (sold as accessory)
- Control board protection pocket built into cabinet wall
- Pre-marked Conduit Connection Locations
- Alert port to view control board codes without door removal
- Alert code notification
- Low voltage terminal connection point
- Phillips head door fasteners
- **Vortica®** blower with polarized plug connections and integrated slide deck for easy removal
- Aluminum coil with integrated slide deck for easy removal and polarized plug connections on coil EEV
- Patented enhanced coil fin
- Electronic Expansion Valve (EEV) with low ambient and low superheat compressor protection
- Dual refrigerant compatible as shipped
- Slide in electric heaters with polarized plug connections (sold as accessory)
- Slide in hot water coils with polarized plug connections (sold as accessory)
- UVC light kit with safety switch and polarized plug connections (sold as accessory)
- Labeled panels and connections
- Molded in 1" standard filter rail
- Variable speed ECM motor
- Soft start fan motor operation
- **Comfort R™** mode
- Built in fan delay modes
- Maximum width of 23.5"
- Compact 20.8" depth with doors removed
- Fused 24v power
- Safety door switch
- **5 Year Warranty**
- **10 Year Warranty Registered**
- **Optional Extended Warranty Available**

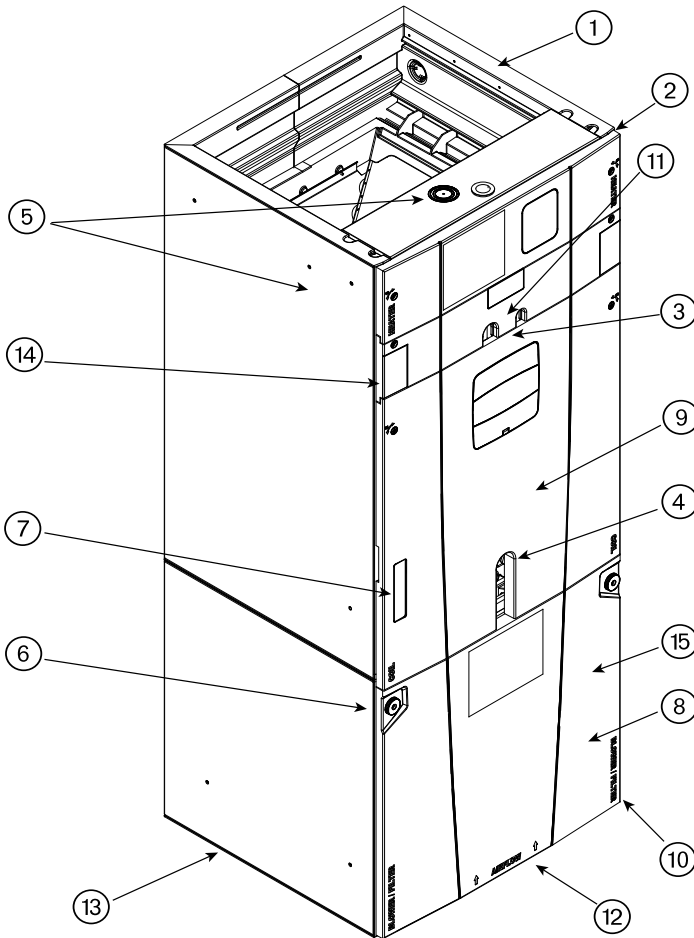


## Optional Equipment

Accessory Number	Description	Fits Cabinet Size
BAYEVAC05BK1AA	Electric Heater, 5kW, Breaker, RS-485 Control, 1 Ph	A to C
BAYEVAC05LG1AA	Electric Heater, 5kW, Lugs, RS-485 Control, 1 Ph	A to C
BAYEVAC08BK1AA	Electric Heater, 8kW, Breaker, RS-485 Control, 1 Ph	A to C
BAYEVAC08LG1AA	Electric Heater, 8kW, Lugs, RS-485 Control, 1 Ph	A to C
BAYEVAC10BK1AA	Electric Heater, 10kW, Breaker, RS-485 Control, 1 Ph	A to C
BAYEVAC10LG1AA	Electric Heater, 10kW, Lugs, RS-485 Control, 1 Ph	A to C
BAYEVBC15BK1AA	Electric Heater, 15kW, Breaker, RS-485 Control, 1 Ph	B to C
BAYEVBC20BK1AA	Electric Heater, 20kW, Breaker, RS-485 Control, 1 Ph	C
BAYEVCC25BK1AA	Electric Heater, 25kW, Breaker, RS-485 Control, 1 Ph	C
BAYEVAC10LG3AA	Electric Heater, 10kW, Lugs, RS-485 Control, 3 Ph	A to C
BAYEVBC15LG3AA	Electric Heater, 15kW, Lugs, RS-485 Control, 3 Ph	B to C
BAYSUPFLGAA	Supply Duct Flange A	A
BAYSUPFLGBA	Supply Duct Flange B	B
BAYSUPFLGCA	Supply Duct Flange C	C
BAYRETFLGAA	Return Duct Flange A	A
BAYRETFLGBA	Return Duct Flange B	B
BAYRETFLGCA	Return Duct Flange C	C
BAYSRKIT100A	Side Return Kit	A to C
BAYFLR1620A	High Velocity Filter Kit, 16" x 20" x 1" (10 filters)	A
BAYFLR2020A	High Velocity Filter Kit, 20" x 20" x 1" (10 filters)	B
BAYFLR2220A	High Velocity Filter Kit, 22" x 20" x 1" (10 filters)	C
TASB175SB	Plenum Stand with integrated sound baffle A	A
TASB215SB	Plenum Stand with integrated sound baffle B	B
TASB235SB	Plenum Stand with integrated sound baffle C	C
MITISRKIT01A	Side Return Kit with 16" x 20" Filter	A to C
BAYFRKIT175	Front Return Kit FOR 17.5" Cabinet	A
BAYFRKIT210	Front Return Kit for 21.0" Cabinet	B
BAYFRKIT235	Front Return Kit for 23.5" Cabinet	C
TASSBK175	Sound Baffle Kit for 17.5" Cabinet	A
TASSBK210	Sound Baffle Kit for 21.0" Cabinet	B
TASSBK235	Sound Baffle Kit for 23.5" Cabinet	C
BAYICKSKIT01A	Internal Condensate Switch Kit	A to C
BAYHHKIT001A	Horizontal Hanger Kit	A to C
BAYUVCLK001A	UVC Lights	A to C
BAYLVKIT100A	Low Voltage Conduit Entry Kit	A to C
BAYSPEKT200A	Single Power Entry Kit	A to C
BAYWVAA05SC1AA	Hydronic Coil — 50,000 BTUH — Slide-in with control	A to A
BAYWVBB07SC1AA	Hydronic Coil — 70,000 BTUH — Slide-in with control	B to B
BAYWVCC08SC1AA	Hydronic Coil — 80,000 BTUH — Slide-in with control	C to C
BAYWACC11SC1AA	Hydronic Coil — 100,000 BTUH — Add on	C to C
BAYWVBRD485A	RS-485 Control for BAYWACC11SC1AA	C to C



# Unique Cabinet Design Features and Benefits



1	<b>Unique Cabinet Design</b>
	— Double wall foamed cabinet system
	— Waterproof Cabinet Design
	— R-4.2 Insulating Value (Avg Insulating Value R-8.2)
	— Composite Foamed Cabinet Doors
	— Sweat Eliminating Cabinet Design
	— Loose Fiber Eliminating Design
	— Smooth Cleanable Cabinet Design
2	<b>Precision Durable Door Seals</b>
3	<b>Refrigeration Connections</b>
4	<b>Condensate Connections</b>
5	<b>Conduit Connection Locations</b>
	— Dimples or target to mark Conduit Connection locations on Left, Right, and Top
6	<b>Easy access large thumb screws</b>
7	<b>Alert Code Viewport</b>
	— Alert codes can be Viewed Without Door Removal
	— Control Protection Pocket
8	<b>Vortica™ Blower and Deck</b>
	— Polarized Plug on Blower
9	<b>All Aluminum Coil</b>
	— Integrated Slide Deck for Easy Removal
	— Polarized Plug connections on Coil EEV
	— Patented Enhanced Coil Fin
10	<b>Labeled Panels and Connections</b>
11	<b>Electronic Expansion Valve (EEV)</b>
	— Low Ambient and Low Superheat Protection
	— Dual Refrigerant <u>Compatible</u> as Shipped
12	<b>Maximum width is 23.5"</b>
13	<b>Compact 20.8" Depth with Doors Removed</b>
14	<b>Integrated Horizontal Drain Pans</b>
15	<b>Safety Door Switch</b>
	— Fused 24V Power
16	<b>Modular Cabinet</b>



# Product Specifications

MODEL	TAM7A0A24H21SC	TAM7A0B30H21SC	TAM7A0C36H31SC
<b>RATED VOLTS/PH/HZ.</b>	200-230/1/60	200-230/1/60	200-230/1/60
<b>RATINGS</b> (a)	See O.D. Specifications	See O.D. Specifications	See O.D. Specifications
<b>INDOOR COIL – Type</b>	Plate Fin	Plate Fin	Plate Fin
Rows – F.P.I.	3 - 14	3 - 14	3 - 14
Face Area (sq. ft.)	3.67	5.04	5.50
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EEV	EEV	EEV
Drain Conn. Size (in.) <sup>(b)</sup>	3/4 NPT	3/4 NPT	3/4 NPT
<b>DUCT CONNECTIONS</b>	See Outline Drawing	See Outline Drawing	See Outline Drawing
<b>INDOOR FAN – Type</b>	Centrifugal	Centrifugal	Centrifugal
Diameter-Width (In.)	11 X 8	11 X 10	11 X 10
No. Used	1	1	1
Drive – No. Speeds	Direct - Variable	Direct - Variable	Direct - Variable
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
No. Motors – H.P.	1 - 1/2	1 - 1/2	1 - 1/2
Motor Speed RPM	Variable ECM	Variable ECM	Variable ECM
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps	3.0	3.0	3.0
<b>FILTER</b>			
Filter Furnished?	No	No	No
Type Recommended	Throwaway	Throwaway	Throwaway
No.-Size-Thickness	1 - 16 X 20 - 1 in.	1 - 20 X 20 - 1 in.	1 - 22 X 20 - 1 in.
<b>REFRIGERANT</b>	<b>R-410A</b>	<b>R-410A</b>	<b>R-410A</b>
Ref. Line Connections	Brazed	Brazed	Brazed
Coupling or Conn. Size-in. Gas	3/4	3/4	7/8
Coupling or Conn. Size-in. Liq.	3/8	3/8	3/8
<b>DIMENSIONS</b>	H x W x D	H x W x D	H x W x D
Crated (In.)	51.5 x 19.0 x 23.5	56.5 x 23 x 23.5	57.25 x 25.25 x 23.5
Uncrated	49.9 x 17.5 x 21.75	55.7 x 21.3 x 21.75	56.9 x 23.5 x 21.75
<b>WEIGHT</b>			
Shipping (Lbs.)/Net (Lbs.)	127/116	150/138	157/146

(a) These Air Handlers are AHRI certified with various Split System Air Conditioners and Heat Pumps (AHRI STANDARD 210/240).

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



## Product Specifications

MODEL	TAM7A0C42H31SC	TAM7A0C48H41SC	TAM7B0C60H51SB
<b>RATED VOLTS/PH/HZ.</b>	200-230/1/60	200-230/1/60	200-230/1/60
<b>RATINGS</b> <sup>(a)</sup>	See O.D. Specifications	See O.D. Specifications	See O.D. Specifications
<b>INDOOR COIL – Type</b>	Plate Fin	Plate Fin	Plate Fin
Rows – F.P.I.	4 - 14	4 - 14	4 - 14
Face Area (sq. ft.)	5.04	5.96	5.96
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EEV	EEV	EEV
Drain Conn. Size (in.) <sup>(b)</sup>	3/4 NPT	3/4 NPT	3/4 NPT
<b>DUCT CONNECTIONS</b>	See Outline Drawing	See Outline Drawing	See Outline Drawing
<b>INDOOR FAN – Type</b>	Centrifugal	Centrifugal	Centrifugal
Diameter-Width (In.)	11 X 10	11 X 10	11 X 10
No. Used	1	1	1
Drive – No. Speeds	Direct - Variable	Direct - Variable	Direct - Variable
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
No. Motors – H.P.	1 - 1/2	1 - 3/4	1 - 1
Motor Speed RPM	Variable ECM	Variable ECM	Variable ECM
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps	3.0	4.2	5.5
<b>FILTER</b>			
Filter Furnished?	No	No	No
Type Recommended	Throwaway	Throwaway	Throwaway
No.-Size-Thickness	1 - 22 X 20 - 1 in.	1 - 22 X 20 - 1 in.	1 - 22 X 20 - 1 in.
<b>REFRIGERANT</b>	<b>R-410A</b>	<b>R-410A</b>	<b>R-410A</b>
Ref. Line Connections	Brazed	Brazed	Brazed
Coupling or Conn. Size-in. Gas	7/8	7/8	7/8
Coupling or Conn. Size-in. Liq.	3/8	3/8	3/8
<b>DIMENSIONS</b>	H x W x D	H x W x D	H x W x D
Crated (In.)	57.25 x 25.25 x 23.5	62.75 x 25.25 x 23.5	62.75 x 25.25 x 23.5
Uncrated	56.9 x 23.5 x 21.75	61.7 x 23.5 x 21.75	61.7 x 23.5 x 21.75
<b>WEIGHT</b>			
Shipping (Lbs.)/Net (Lbs.)	162/151	175/163	175/163

<sup>(a)</sup> These Air Handlers are AHRI certified with various Split System Air Conditioners and Heat Pumps (AHRI STANDARD 210/240).

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



TAM7A0A24 AIRFLOW PERFORMANCE										CONSTANT CFM MODE / CONSTANT TORQUE MODE									
OUTDOOR MULTIPLIER (TONS)	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)					AIRFLOW POWER	COOLING AIRFLOW SETTING	AIRFLOW POWER	HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE								
	0.1	0.3	0.5	0.7	0.9						0.1	0.3	0.5	0.7	0.9				
1.5 tons	360 CFM/ton	547/559	548/407	547/NA	541/NA	CFM	360	390	CFM	586	599	600	599	595					
	380 CFM/ton	583/593	587/464	588/167	581/NA	Watts	43/65	410	CFM	46	80	115	153	192					
	400 CFM/ton	618/626	624/513	625/325	618/NA	Watts	574/679	430	CFM	53	88	124	163	202					
	420 CFM/ton	82/85	119/96	158/101	196/NA	Watts	43/65	450	CFM	59	96	134	174	212					
	400 † CFM/ton	90/93	128/105	168/112	207/NA	Watts	605/705	450	CFM	66	104	144	185	225					
2 tons †	360 CFM/ton	743/746	754/666	756/563	748/428	CFM	360	390	CFM	780	800	809	811	802					
	380 CFM/ton	782/784	793/710	796/617	788/500	Watts	75/101	410	CFM	94	137	182	227	268					
	400 † CFM/ton	128/131	172/146	216/159	259/168	Watts	761/843	450	CFM	106	151	198	244	287					
	420 CFM/ton	820/821	832/751	835/666	827/561	Watts	86/113	450	CFM	119	167	215	262	307					
	400 † CFM/ton	141/144	187/161	233/174	276/183	Watts	799/877	450	CFM	134	183	233	282	327					
2.5 tons	360 CFM/ton	914/930	927/869	930/796	923/796	CFM	360	390	CFM	964	986	997	1000	992					
	380 CFM/ton	179/189	229/207	278/222	324/222	Watts	130/168	450	CFM	164	218	271	322	370					
	400 CFM/ton	962/976	974/918	978/849	971/766	Watts	939/1024	450	CFM	188	244	299	353	400					
	420 CFM/ton	1009/1023	1022/967	1026/901	1019/821	Watts	149/190	450	CFM	214	273	331	385	434					
	400 CFM/ton	225/236	279/255	332/270	380/280	Watts	986/1070	450	CFM	243	305	365	420	469					
3 tons	360 CFM/ton	1058/1072	1071/1018	1074/953	1066/877	CFM	360	390	CFM	1114	1135	1145	1145	1135					
	380 CFM/ton	251/264	308/282	362/297	411/307	Watts	1035/1118	450	CFM	1160	1181	1190	1189	1157					
	400 CFM/ton	1088/1102	1101/1048	1103/985	1095/910	Watts	1065/1148	450	CFM	1225	1244	1249	1230	1146					
	420 CFM/ton	269/282	327/301	382/315	431/325	Watts	1126/1209	450	CFM	317	384	444	486	477					
	400 CFM/ton	1149/1164	1160/1111	1161/1050	1151/978	Watts	244/301	450	CFM	422	485	475	467	460					

- † Factory Setting
- Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
- Torque mode will reduce airflow when static is above approximately 0.3" water column.
- All heating modes default to Constant CFM.
- Cooling airflow values are with wet coil, no filter

MINIMUM HEATER AIRFLOW CFM — HEATER MATRIX			
MODEL NO.	BAYEVAC05BK1AA BAYEVAC05LG1AA	BAYEVAC10BK1AA BAYEVAC10LG1AA	BAYEVBC20BK1AA
TAM7A0A24H21SC	638/713	675 <sup>(a)</sup> /900	600/713
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS			

**Note:** Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.

<sup>(a)</sup> Heater not qualified for 208V when installed in horizontal left position without Heat Pump

TAM7A0B30 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE												
OUTDOOR MULTIPLIER (TONS)	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)			AIRFLOW POWER	HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE					
	0.1	0.3	0.5				0.7	0.9	0.1	0.3	0.5	0.7
1.5 tons	360 CFM/ton	581/685 30/41	560/538 58/56	533/299 87/63	509/NA 118/NA	482/NA 150/NA	390 CFM/ton	630 35	609 65	588 96	566 128	540 161
	380 CFM/ton	618/711 33/45	593/572 62/60	569/359 93/68	547/NA 125/NA	524/NA 158/NA	410 CFM/ton	657 38	639 70	621 102	601 136	578 169
	400 CFM/ton	645/738 37/49	624/605 67/65	604/410 99/73	584/NA 132/NA	562/NA 166/NA	430 CFM/ton	683 42	669 75	653 109	636 143	614 177
	420 CFM/ton	659/751 38/50	639/621 69/67	620/434 102/76	602/NA 136/NA	581/NA 170/NA	450 CFM/ton	709 45	698 80	685 115	669 151	649 186
	360 CFM/ton	750/840 51/66	741/726 87/85	731/575 125/96	719/344 163/99	704/NA 200/NA	390 CFM/ton	800 60	797 99	791 139	781 180	766 219
2 tons †	380 CFM/ton	784/874 57/72	779/764 95/92	771/622 134/104	762/419 174/107	748/NA 213/NA	410 CFM/ton	834 66	834 107	830 150	822 192	810 233
	400 † CFM/ton	818/908 62/79	816/802 103/100	811/667 144/113	803/484 186/117	792/NA 227/NA	430 CFM/ton	868 73	871 116	869 161	864 205	853 248
	420 CFM/ton	835/924 66/83	834/820 107/104	831/689 150/118	824/513 192/122	813/180 234/132	450 CFM/ton	902 80	908 126	908 172	905 219	895 263
	360 CFM/ton	904/1017 80/105	908/921 125/129	909/804 172/144	907/658 219/150	898/454 264/148	390 CFM/ton	967 95	977 145	982 196	982 247	974 295
	380 CFM/ton	947/1061 89/117	955/968 138/142	959/856 188/158	958/718 237/165	951/538 285/163	410 CFM/ton	1012 106	1025 160	1033 214	1034 268	1027 318
2.5 tons	400 CFM/ton	991/1106 100/131	1002/1016 152/156	1009/908 205/174	1010/779 257/182	1003/614 307/180	430 CFM/ton	1057 119	1074 176	1084 234	1087 290	1078 342
	420 CFM/ton	1013/1129 106/138	1026/1040 159/164	1034/934 214/182	1036/808 268/190	1029/650 318/189	450 CFM/ton	1104 133	1124 194	1136 255	1139 314	1128 366
	360 CFM/ton	1063/1182 120/156	1080/1095 177/182	1091/993 236/201	1094/873 292/211	1085/727 344/210	390 CFM/ton	1147 147	1170 211	1184 276	1185 336	1170 389
	380 CFM/ton	1120/1241 137/178	1140/1157 199/205	1153/1059 262/225	1156/945 321/235	1444/809 374/236	410 CFM/ton	1208 168	1233 238	1247 306	1245 367	1223 418
	400 CFM/ton	1179/1304 157/203	1202/1221 224/231	1216/1127 290/252	1216/1018 351/263	1198/890 403/265	430 CFM/ton	1271 193	1298 267	1309 337	1300 398	1271 446
3 tons	420 CFM/ton	1210/1337 168/217	1233/1255 237/246	1247/1162 305/267	1245/1055 306/279	1224/931 417/281	450 CFM/ton	1338 221	1363 299	1368 369	1350 427	1314 472

- † Factory Setting
- Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
- Torque mode will reduce airflow when static is above approximately 0.35" water column.
- All heating modes default to Constant CFM.
- Cooling airflow values are with wet coil, no filter

MINIMUM HEATER AIRFLOW CFM — HEATER MATRIX			
MODEL NO.	BAYEVAC05BK1AA BAYEVAC05LG1AA	BAYEVAC10BK1AA BAYEVAC10LG1AA	BAYEVBC15BK1AA BAYEVBC20BK1AA
TAM7A0B30H215C	723/808	765/1020	850/1105
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS			

**Note:** Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.



TAM7A0C36 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE												
OUTDOOR MULTIPLIER (TONS)	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)			HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE						
	COOLING AIRFLOW SETTING	AIRFLOW POWER	HEATING AIRFLOW SETTING			AIRFLOW POWER	0.1	0.3	0.5	0.7	0.9	
2 tons	350 CFM/ton	724 / 858 44 / 63	704 / 706 77 / 77	695 / 297 148 / 90	400 CFM/ton	813	797	794	799	806		
	370 CFM/ton	759 / 892 49 / 69	744 / 747 84 / 84	740 / 387 158 / 98	420 CFM/ton	849	837	835	841	849		
	390 CFM/ton	795 / 924 54 / 75	784 / 787 91 / 91	783 / 460 169 / 107	440 CFM/ton	884	876	876	883	891		
	410 CFM/ton	830 / 957 60 / 82	823 / 826 99 / 99	824 / 524 180 / 117	450 CFM/ton	902	895	897	902	912		
	350 CFM/ton	879 / 1026 68 / 97	876 / 905 110 / 116	881 / 639 197 / 138	400 CFM/ton	992	991	998	1005	1014		
	370 CFM/ton	923 / 1067 77 / 107	924 / 952 121 / 127	932 / 702 213 / 151	420 CFM/ton	1036	1040	1048	1057	1064		
2.5 tons	390 CFM/ton	968 / 1110 86 / 118	971 / 999 133 / 139	983 / 762 230 / 166	440 CFM/ton	1081	1089	1099	1110	1116		
	410 CFM/ton	1012 / 1153 96 / 130	1020 / 1047 146 / 153	1034 / 820 248 / 181	450 CFM/ton	1105	1113	1125	1136	1141		
	350 CFM/ton	1036 / 1175 102 / 137	1044 / 1070 153 / 160	1060 / 848 257 / 189	400 CFM/ton	1175	1189	1203	1214	1215		
	370 † CFM/ton	1090 / 1229 116 / 154	1102 / 1129 171 / 178	1122 / 916 282 / 209	420 CFM/ton	1234	1251	1267	1275	1272		
	390 CFM/ton	1145 / 1285 132 / 173	1161 / 1188 191 / 198	1184 / 984 309 / 231	440 CFM/ton	1295	1315	1331	1335	1325		
	410 CFM/ton	1204 / 1343 150 / 195	1223 / 1249 213 / 221	1246 / 1051 337 / 256	450 CFM/ton	1327	1348	1362	1364	1350		
3.5 tons	350 CFM/ton	1199 / 1338 149 / 193	1218 / 1244 211 / 219	1241 / 1046 335 / 254	400 CFM/ton	1380	1403	1414	1409	1389		
	370 CFM/ton	1269 / 1408 172 / 222	1291 / 1317 240 / 249	1311 / 1126 370 / 285	420 CFM/ton	1459	1478	1481	1467	1395		
	390 CFM/ton	1342 / 1481 200 / 255	1367 / 1393 273 / 282	1378 / 1206 405 / 320	440 CFM/ton	1538	1550	1542	1504	1388		
	410 CFM/ton	1419 / 1555 232 / 291	1442 / 1468 309 / 319	1438 / 1286 440 / 357	450 CFM/ton	1575	1583	1570	1501	1385		

- † Factory Setting
- Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
- Torque mode will reduce airflow when static is above approximately 0.35" water column.
- All heating modes default to Constant CFM.
- Cooling airflow values are with wet coil, no filter

MINIMUM HEATER AIRFLOW CFM — HEATER MATRIX							
MODEL NO.	BAYEVA05BK1AA BAYEVA05LG1AA	BAYEVA08BK1AA BAYEVA08LG1AA	BAYEVA01BK1AA BAYEVA01LG1AA	BAYEVCB15LG3AA	BAYEVCB15BK1AA	BAYEVCB15LG3AA	BAYEVCB15BK1AA
TAM7A0C36H315C	876/979	876/1236	927/1236	824/979	927/1288	1030/1339	1236/1442
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE							

**Note:** Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.

TAM7A0C42 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE													
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)				HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE				
			0.1	0.3	0.5	0.7			0.9	0.1	0.3	0.5	0.7
2.5 tons	330 CFM/ton	CFM Watts	853/988 68/96	832/861 108/114	820/712 149/125	815/523 191/128	813/208 232/143	360 CFM/ton	CFM Watts	912 82	897 125	893 170	901 264
	350 CFM/ton	CFM Watts	896/1030 76/107	880/909 119/126	870/768 162/137	867/597 162/141	866/353 250/144	380 CFM/ton	CFM Watts	956 92	945 137	943 185	951 283
	370 CFM/ton	CFM Watts	939/1072 85/118	926/956 130/139	920/823 176/151	918/665 222/155	918/458 268/155	400 CFM/ton	CFM Watts	1000 102	992 151	992 201	997 253
	390 CFM/ton	CFM Watts	983/1115 95/131	973/1003 143/152	969/877 191/165	968/729 240/170	969/546 288/169	420 CFM/ton	CFM Watts	1044 114	1040 166	1042 219	1047 273
	330 CFM/ton	CFM Watts	996/1128 99/135	987/1017 147/156	984/892 196/170	984/748 246/175	983/570 294/174	360 CFM/ton	CFM Watts	1071 122	1069 175	1072 230	1078 285
	350 CFM/ton	CFM Watts	1049/1180 112/152	1043/1074 164/174	1044/956 217/189	1045/821 269/196	1045/662 320/194	380 CFM/ton	CFM Watts	1126 138	1127 195	1132 254	1139 312
3 tons	370 CFM/ton	CFM Watts	1101/1233 127/171	1100/1132 183/195	1103/1019 239/210	1106/893 294/218	1107/747 348/217	400 CFM/ton	CFM Watts	1181 157	1186 218	1193 280	1200 341
	390 CFM/ton	CFM Watts	1156/1288 144/192	1159/1190 203/217	1164/1083 264/234	1167/964 322/342	1168/828 379/242	420 CFM/ton	CFM Watts	1239 177	1247 243	1256 309	1261 373
	330 CFM/ton	CFM Watts	1142/1274 140/187	1143/1175 198/211	1148/1067 257/228	1152/946 315/236	1152/808 370/236	360 CFM/ton	CFM Watts	1239 177	1247 243	1256 309	1261 373
3.5 tons †	350 CFM/ton	CFM Watts	1208/1340 162/214	1212/1245 224/239	1220/1142 288/257	1224/1028 350/267	1222/901 407/268	380 CFM/ton	CFM Watts	1308 205	1319 276	1329 346	1331 412
	370 † CFM/ton	CFM Watts	1274/1408 187/245	1283/1317 254/272	1293/1218 323/291	1295/1110 387/301	1289/991 445/303	400 CFM/ton	CFM Watts	1381 237	1394 313	1401 386	1398 452
	390 CFM/ton	CFM Watts	1344/1479 215/280	1357/1390 289/308	1366/1295 361/328	1364/1192 427/340	1345/1080 479/343	420 CFM/ton	CFM Watts	1456 275	1468 355	1471 429	1443 481
	330 CFM/ton	CFM Watts	1299/1457 196/268	1309/1368 266/296	1318/1272 336/316	1321/1167 401/327	1313/1053 459/330	360 CFM/ton	CFM Watts	1423 258	1436 337	1441 410	1434 475
4 tons	350 CFM/ton	CFM Watts	1380/1538 232/312	1394/1542 307/340	1401/1360 381/361	1398/1260 447/374	1339/1153 477/378	380 CFM/ton	CFM Watts	1511 304	1520 386	1517 459	1436 477
	370 CFM/ton	CFM Watts	1466/1618 273/359	1479/1534 354/389	1481/1445 428/411	1451/1350 482/425	1327/1248 470/429	400 CFM/ton	CFM Watts	1598 356	1599 437	1536 472	1426 461
	390 CFM/ton	CFM Watts	1553/1693 320/409	1561/1611 403/439	1544/1525 470/462	1438/1432 475/476	1315/1333 465/481	420 CFM/ton	CFM Watts	1679 409	1620 451	1534 471	1417 464

- † Factory Setting
- Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
- Torque mode will reduce airflow when static is above approximately 0.35" water column.
- All heating modes default to Constant CFM.
- Cooling airflow values are with wet coil, no filter

MINIMUM HEATER AIRFLOW CFM — HEATER MATRIX					
MODEL NO.	BAYEVA05BK1AA BAYEVAC05LG1AA	BAYEVA08BK1AA BAYEVAC08LG1AA	BAYEVA01BK1AA BAYEVAC10LG1AA	BAYEVCB15LG3AA	BAYEVC20BK1AA
TAM7A0C42H31SC	978/1093	978/1380	1035/1380	1035/1438	1380/1610
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE					

**Note:** Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.

TAM7A0C48 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE													
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)				HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE				
			0.1	0.3	0.5	0.7			0.9	0.1	0.3	0.5	0.7
3 tons	330 CFM/ton	CFM Watts	1101 / 1127 92 / 117	1017 / 1020 143 / 143	1006 / 786 232 / 173	886 / 622 195 / 137	380 CFM/ton	CFM Watts	1150 128	1155 184	1154 237	1150 286	1141 330
	350 CFM/ton	CFM Watts	1067 / 1180 106 / 132	1073 / 1078 158 / 160	1065 / 859 252 / 192	1065 / 859 252 / 192	400 CFM/ton	CFM Watts	1204 145	1210 203	1210 259	1207 310	1199 356
	370 CFM/ton	CFM Watts	1122 / 1233 120 / 149	1129 / 1136 175 / 177	1122 / 929 274 / 212	1208 / 1029 309 / 244	420 CFM/ton	CFM Watts	1259 162	1266 224	1267 282	1264 335	1258 384
	390 CFM/ton	CFM Watts	1177 / 1287 136 / 167	1185 / 1194 194 / 196	1180 / 996 297 / 233	1353 / 1190 377 / 305	440 CFM/ton	CFM Watts	1314 182	1322 246	1324 307	1322 363	1316 413
	330 CFM/ton	CFM Watts	1164 / 1274 132 / 162	1171 / 1179 189 / 191	1165 / 980 291 / 227	1031 / 817 240 / 181	380 CFM/ton	CFM Watts	1323 185	1331 250	1333 250	1331 368	1325 418
	350 CFM/ton	CFM Watts	1228 / 1336 152 / 185	1235 / 1246 212 / 215	1232 / 1056 319 / 253	1232 / 1056 319 / 253	400 CFM/ton	CFM Watts	1388 211	1398 279	1400 343	1399 403	1395 457
3.5 tons	370 CFM/ton	CFM Watts	1292 / 1400 174 / 210	1300 / 1313 237 / 241	1299 / 1132 350 / 281	1401 / 1244 402 / 328	420 CFM/ton	CFM Watts	1455 240	1465 312	1468 379	1469 441	1463 497
	390 CFM/ton	CFM Watts	1356 / 1465 198 / 238	1366 / 1381 265 / 270	1367 / 1207 384 / 312	1575 / 1434 505 / 422	440 CFM/ton	CFM Watts	1523 272	1534 347	1538 418	1538 483	1534 542
	330 CFM/ton	CFM Watts	1315 / 1443 212 / 228	1324 / 1358 247 / 260	1323 / 1181 362 / 301	1170 / 1010 293 / 237	380 CFM/ton	CFM Watts	1502 262	1514 337	1518 406	1518 471	1514 529
	350 † CFM/ton	CFM Watts	1389 / 1517 212 / 262	1399 / 1436 280 / 295	1401 / 1266 402 / 338	1401 / 1266 402 / 338	400 CFM/ton	CFM Watts	1582 302	1594 382	1598 454	1598 522	1591 581
	370 CFM/ton	CFM Watts	1465 / 1594 245 / 301	1476 / 1516 317 / 335	1480 / 1352 446 / 379	1600 / 1483 521 / 450	420 CFM/ton	CFM Watts	1664 348	1675 421	1680 508	1678 577	1669 638
	390 CFM/ton	CFM Watts	1543 / 1673 283 / 346	1555 / 1597 359 / 380	1560 / 1439 495 / 425	1793 / 1701 663 / 592	440 CFM/ton	CFM Watts	1748 400	1758 486	1760 565	1755 634	1708 668
4.5 tons**	330 CFM/ton	CFM Watts	1470 / 1599 247 / 304	1481 / 1521 319 / 337	1485 / 1357 449 / 382	1309 / 1165 355 / 294	380 CFM/ton	CFM Watts	1695 367	1706 451	1710 528	1707 598	1697 659
	350 CFM/ton	CFM Watts	1558 / 1688 290 / 354	1570 / 1613 367 / 389	1575 / 1455 505 / 434	1575 / 1455 505 / 434	400 CFM/ton	CFM Watts	1790 428	1799 515	1799 594	1792 664	1700 661
	370 CFM/ton	CFM Watts	1649 / 1780 340 / 412	1661 / 1707 422 / 447	1664 / 1554 565 / 493	1793 / 1701 663 / 592	420 CFM/ton	CFM Watts	1885 496	1889 584	1884 662	1783 656	1683 648
	390 CFM/ton	CFM Watts	1742 / 1873 397 / 477	1754 / 1801 483 / 512	1751 / 1653 630 / 558	1749 / 1749 637 / 637	440 CFM/ton	CFM Watts	1976 568	1973 655	1871 652	1765 643	1667 636
	<ul style="list-style-type: none"> <li>† Factory Setting</li> <li>** Not an actual OD size</li> <li>Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.</li> <li>Torque mode will reduce airflow when static is above approximately 0.4" water column.</li> </ul>												
	<ul style="list-style-type: none"> <li>If the air handler is applied in downflow or horizontal configurations, the airflow should not exceed 2000 CFM. Airflow above 2000 CFM could result in water blow-off.</li> <li>All heating modes default to Constant CFM.</li> <li>Cooling airflow values are with wet coil, no filter</li> </ul>												

MINIMUM HEATER AIRFLOW CFM — HEATER MATRIX						
MODEL NO.	BAYEVAC05BK1AA BAYEVAC05LG1AA	BAYEVAC10BK1AA BAYEVAC10LG1AA	BAYEVAC10LG3AA	BAYEVCB15LG3AA	BAYEVC15BK1AA BAYEVC20BK1AA	BAYEVCC25BK1AA
TAM7A0C48H41SC	1063 / 1188	1125 / 1500	1000 / 1188	1125 / 1563	1250 / 1625	1625 / 1813
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE						

**Note:** Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.

TAM7B0C60 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE														
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)					HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE				
			0.1	0.3	0.5	0.7	0.9			0.1	0.3	0.5	0.7	0.9
3.5 tons	370	CFM	1316 / 1404	1328 / 1330	1328 / 1244	1320 / 1146	1308 / 1033	400	CFM	1404	1424	1426	1419	1410
		Watts	194 / 201	258 / 234	314 / 260	364 / 276	406 / 280	CFM/ton	Watts	205	275	337	391	440
	380	CFM	1349 / 1435	1360 / 1362	1359 / 1278	1352 / 1183	1338 / 1074	410	CFM	1437	1455	1457	1451	1441
		Watts	207 / 213	272 / 247	329 / 273	380 / 290	422 / 295	CFM/ton	Watts	218	289	351	407	456
	390	CFM	1381 / 1466	1391 / 1394	1390 / 1312	1383 / 1220	1370 / 1115	420	CFM	1467	1487	1489	1482	1474
4 tons	400	CFM	220 / 225	286 / 260	344 / 287	396 / 304	439 / 310	430	CFM	230	303	367	423	474
		Watts	1413 / 1496	1422 / 1426	1421 / 1346	1415 / 1256	1402 / 1154	CFM/ton	Watts	1500	1516	1519	1515	1505
	370	CFM	234 / 238	300 / 273	360 / 301	412 / 319	456 / 325	400	CFM	244	317	382	441	491
		Watts	1485 / 1583	1493 / 1516	1493 / 1441	1486 / 1357	1475 / 1263	CFM/ton	Watts	1586	1600	1604	1601	1592
	380	CFM	269 / 278	337 / 314	398 / 342	452 / 362	498 / 370	410	CFM	285	360	428	490	543
4.5 tons	390	CFM	1521 / 1618	1529 / 1552	1528 / 1479	1522 / 1396	1511 / 1305	410	CFM	1622	1636	1640	1638	1629
		Watts	287 / 295	356 / 331	418 / 360	474 / 380	520 / 389	CFM/ton	Watts	303	379	449	512	566
	390	CFM	1557 / 1654	1564 / 1589	1564 / 1516	1559 / 1436	1548 / 1347	420	CFM	1659	1672	1677	1675	1667
		Watts	306 / 313	376 / 350	440 / 379	496 / 400	544 / 409	CFM/ton	Watts	322	399	471	535	591
	400	CFM	1593 / 1689	1600 / 1625	1600 / 1554	1595 / 1475	1585 / 1389	430	CFM	1695	1708	1713	1712	1705
4.5 tons **†	370 †	CFM	326 / 332	397 / 369	462 / 399	519 / 420	568 / 430	400	CFM	342	421	493	559	616
		Watts	1652 / 1748	1659 / 1685	1660 / 1616	1655 / 1540	1646 / 1456	CFM/ton	Watts	1769	1782	1789	1788	1783
	380	CFM	360 / 365	433 / 403	500 / 433	559 / 454	610 / 465	410	CFM	385	467	543	611	671
		Watts	1694 / 1789	1701 / 1727	1701 / 1659	1697 / 1548	1688 / 1503	CFM/ton	Watts	1811	1826	1831	1832	1827
	390	CFM	386 / 390	460 / 427	528 / 458	589 / 480	641 / 491	420	CFM	411	495	572	643	704
5 tons	390	CFM	1736 / 1831	1742 / 1770	1744 / 1703	1740 / 1629	1732 / 1549	420	CFM	1854	1869	1875	1877	1872
		Watts	413 / 416	489 / 454	558 / 484	620 / 506	673 / 518	CFM/ton	Watts	439	525	604	676	739
	400	CFM	1778 / 1873	1784 / 1813	1786 / 1747	1783 / 1675	1776 / 1597	430	CFM	1898	1913	1919	1921	1918
		Watts	442 / 443	519 / 481	590 / 512	653 / 534	707 / 546	CFM/ton	Watts	468	556	637	711	777
	370	CFM	1826 / 1921	1833 / 1862	1835 / 1797	1832 / 1726	1826 / 1650	400	CFM	1963	1978	1985	1988	1985
5 tons	380	CFM	475 / 476	555 / 515	627 / 545	692 / 568	748 / 580	410	CFM	515	606	689	766	833
		Watts	1875 / 1971	1882 / 1912	1884 / 1848	1882 / 1778	1876 / 1703	CFM/ton	Watts	2014	2029	2037	2040	2038
	390	CFM	512 / 512	593 / 550	667 / 581	733 / 603	791 / 616	420	CFM	554	647	733	811	880
		Watts	1924 / 2021	1932 / 1963	1935 / 1900	1933 / 1832	1927 / 1758	CFM/ton	Watts	2066	2082	2090	2093	2090
	400	CFM	551 / 550	634 / 588	710 / 619	777 / 641	836 / 654	430	CFM	595	691	779	859	928
TAM7B0C60H51SB	400	CFM	1975 / 2073	1983 / 2015	1986 / 1953	1985 / 1886	1979 / 1814	430	CFM	2120	2136	2143	2147	2143
		Watts	593 / 590	678 / 629	755 / 660	824 / 682	884 / 695	CFM/ton	Watts	640	738	828	909	980

- † Factory Setting
- \*\* Not an actual OD size
- Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
- Torque mode will reduce airflow when static is above approximately 0.4" water column.
- If the air handler is applied in downflow or horizontal configurations, the airflow should not exceed 2000 CFM. Airflow above 2000 CFM could result in water blow-off.
- All heating modes default to Constant CFM.
- Cooling airflow values are with wet coil, no filter

MINIMUM HEATING AIRFLOW CFM — HEATER MATRIX			
MODEL NO.	BAYEVAC05BK1AA BAYEVAC05LG1AA	BAYEVAC10B-K1AA BAYEVAC10L-G1AA	BAYEVAC10LG3AA BAYEVCB15LG3AA
TAM7B0C60H51SB	1063 / 1188	1125 / 1500	1000 / 1188
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE			
			1125 / 1563
			1250 / 1625
			1500 / 1750
			1625 (a) / 1813

**Note:** Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.

(a) Heater not qualified for 208V when installed in horizontal left position without Heat Pump



# HEATER ATTRIBUTE DATA

TAM7A0A24H21SC											
Heater Model No.	No. of Circuits	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	0	-	-	3.0 **	4	15	-	-	3.0 **	4	15
BAYEVAC05+++1	1	4.80	16400	20.0	29	30	3.60	12300	17.3	25	25
BAYEVAC08+++1	1	7.68	26200	32.0	44	45	5.76	19700	27.7	38	40
BAYEVAC10+++1 <sup>(a)</sup>	1	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	32	35	7.20	24600	20.0	28	30

Note: \*\* Motor Amps

<sup>(a)</sup> Heater not qualified for 208V when installed in horizontal left position without Heat Pump

TAM7A0B30H21SC											
Heater Model No.	No. of Circuits	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	0	-	-	3.0 **	4	15	-	-	3.0 **	4	15
BAYEVAC05+++1	1	4.80	16400	20.0	29	30	3.60	12300	17.3	25	25
BAYEVAC08+++1	1	7.68	26200	32.0	44	45	5.76	19700	27.7	38	40
40BAYEVAC10+++1	1	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	32	35	7.20	24600	20.0	28	30
BAYEVBC15LG3	1-3 PH	14.40	42000	34.6	47	50	10.80	36900	30.0	41	45
BAYEVBC15BK1 - Circuit 1 <sup>(a)</sup>	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVBC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25

Note: \*\* Motor Amps

<sup>(a)</sup> MCA and MOP for circuit 1 contains the motor amps

TAM7A0C36H31SC											
Heater Model No.	No. of Circuits	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	0	-	-	3.0 **	4	15	-	-	3.0 **	4	15
BAYEVAC05+++1	1	4.80	16400	20.0	29	30	3.60	12300	17.3	25	25
BAYEVAC08+++1	1	7.68	26200	32.0	44	45	5.76	19700	27.7	38	40
40BAYEVAC10+++1	1	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	32	35	7.20	24600	20.0	28	30
BAYEVBC15LG3	1-3 PH	14.40	42000	34.6	47	50	10.80	36900	30.0	41	45
BAYEVBC15BK1 - Circuit 1 <sup>(a)</sup>	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVBC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEVBC20BK1 - Circuit 1 <sup>(a)</sup>	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVBC20BK1 - Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45

Note: \*\* Motor Amps

<sup>(a)</sup> MCA and MOP for circuit 1 contains the motor amps



## HEATER ATTRIBUTE DATA

TAM7A0C42H31SC											
Heater Model No.	No. of Circuits	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	0	-	-	3.0 **	4	15	-	-	3.0 **	4	15
BAYEVAC05++1	1	4.80	16400	20.0	29	30	3.60	12300	17.3	25	25
BAYEVAC08++1	1	7.68	26200	32.0	44	45	5.76	19700	27.7	38	40
40BAYEVAC10++1	1	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	32	35	7.20	24600	20.0	28	30
BAYEVBC15LG3	1-3 PH	14.40	42000	34.6	47	50	10.80	36900	30.0	41	45
BAYEVBC15BK1 - Circuit 1 <sup>(a)</sup> BAYEVBC15BK1 - Circuit 2	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEVBC20BK1 - Circuit 1 <sup>(a)</sup> BAYEVBC20BK1 - Circuit 2	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45

Note: \*\* Motor Amps

<sup>(a)</sup> MCA and MOP for circuit 1 contains the motor amps

TAM7A0C48H41SC											
Heater Model No.	No. of Circuits	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	0	-	-	4.2 **	5	15	-	-	4.2 **	5	15
BAYEVAC05++1	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEVAC08++1	1	7.68	26200	32.0	45	45	5.76	19700	27.7	40	40
40BAYEVAC10++1	1	9.60	32800	40.0	55	60	7.20	24600	34.6	49	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	34	35	7.20	24600	20.0	30	30
BAYEVBC15LG3	1-3 PH	14.40	42000	34.6	48	50	10.80	36900	30.0	42	45
BAYEVBC15BK1 - Circuit 1 <sup>(a)</sup> BAYEVBC15BK1 - Circuit 2	2	9.60	32800	40.0	55	60	7.20	24600	34.6	49	50
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEVBC20BK1 - Circuit 1 <sup>(a)</sup> BAYEVBC20BK1 - Circuit 2	2	9.60	32800	40.0	55	60	7.20	24600	34.6	49	50
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEVCC25BK1 — Circuit 1 <sup>(a)</sup> BAYEVCC25BK1 — Circuit 2 BAYEVCC25BK1 — Circuit 3	3	9.60	32800	40.0	55	60	7.20	24600	34.6	49	50
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25

Note: \*\* Motor Amps

<sup>(a)</sup> MCA and MOP for circuit 1 contains the motor amps



## HEATER ATTRIBUTE DATA

TAM7B0C60H51SB											
Heater Model No.	No. of Circuits	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	0	-	-	5.5 **	7	15	-	-	5.5 **	7	15
BAYEVAC05++1	1	4.80	16400	20.0	32	35	3.60	12300	17.3	29	30
BAYEVAC08++1	1	7.68	26200	32.0	47	50	5.76	19700	27.7	41	45
40BAYEVAC10++1	1	9.60	32800	40.0	57	60	7.20	24600	34.6	50	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	35	35	7.20	24600	20.0	31	35
BAYEVBC15LG3	1-3 PH	14.40	42000	34.6	49	50	10.80	36900	30.0	44	45
BAYEVBC15BK1 - Circuit 1 <sup>(a)</sup> BAYEVBC15BK1 - Circuit 2	2	9.60	32800	40.0	57	60	7.20	24600	34.6	50	50
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEVBC20BK1 - Circuit 1 <sup>(a)</sup> BAYEVBC20BK1 - Circuit 2	2	9.60	32800	40.0	57	60	7.20	24600	34.6	50	50
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEVCC25BK1 <sup>(b)</sup> - Circuit 1 <sup>(a)</sup> BAYEVCC25BK1 - Circuit 2 BAYEVCC25BK1 - Circuit 3	3	9.60	32800	40.0	57	60	7.20	24600	34.6	50	50
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25

Note: \*\* Motor Amps

<sup>(a)</sup> MCA and MOP for circuit 1 contains the motor amps

<sup>(b)</sup> Heater not qualified for 208V when installed in horizontal left position without Heat Pump

**Note:** See Product Data or Air Handler nameplate for approved combinations of Air Handlers and Heaters.

**Note:** Heater model numbers may have additional suffix digits.



# TAM7 Air Handler and Heater Matrix Allowable Combinations

APPROVED AIR HANDLER — HEATER COMBINATIONS						
HEATER MODEL NUMBER BAYEV-	AIR HANDLER MODEL NUMBER					
	TAM7A0A24H21SC	TAM7A0B30H21SC	TAM7A0C36H31SC	TAM7A0C42H31SC	TAM7A0C48H41SC	TAM7BOC60H51SB
AC05BK1AA 4.80 Kw BK	Y	Y	Y	Y	Y	y
AC05LG1AA 4.80 Kw LG	Y	Y	Y	Y	Y	Y
AC08BK1AA 7.68 Kw BK	Y	Y	Y	Y	Y	Y
AC08LG1AA 7.68 Kw LG	Y	Y	Y	Y	Y	Y
AC10BK1AA 9.60 Kw BK	Y <sup>(a)</sup>	Y	Y	Y	Y	Y
AC10LG1AA 9.60 Kw LG	Y <sup>(a)</sup>	Y	Y	Y	y	y
BC15BK1AA 14.40 Kw BK	—	Y	Y	Y	y	y
BC20BK1AA 19.20 Kw BK	—	—	—	Y	y	y
CC25BK1AA 24.00 Kw BK	—	—	—	—	y	y <sup>(a)</sup>
AC10LG3AA 9.60 Kw LG	Y	Y	Y	Y	y	y
BC15LG3AA 14.4 Kw LG	—	Y	Y	Y	Y	Y

<sup>(a)</sup> Heater is not qualified for 208V when installed in horizontal left position without HP.

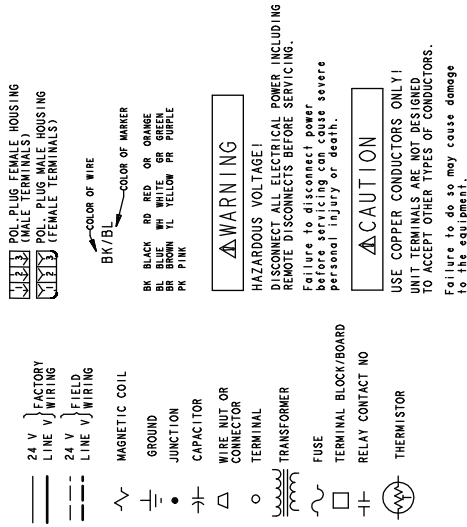
## AIR HANDLER ELECTRIC HEATER PRESSURE DROP

Air Handler electric heater pressure drop is negligible for the heaters and is included in the airflow data for the Series & Air Handlers.

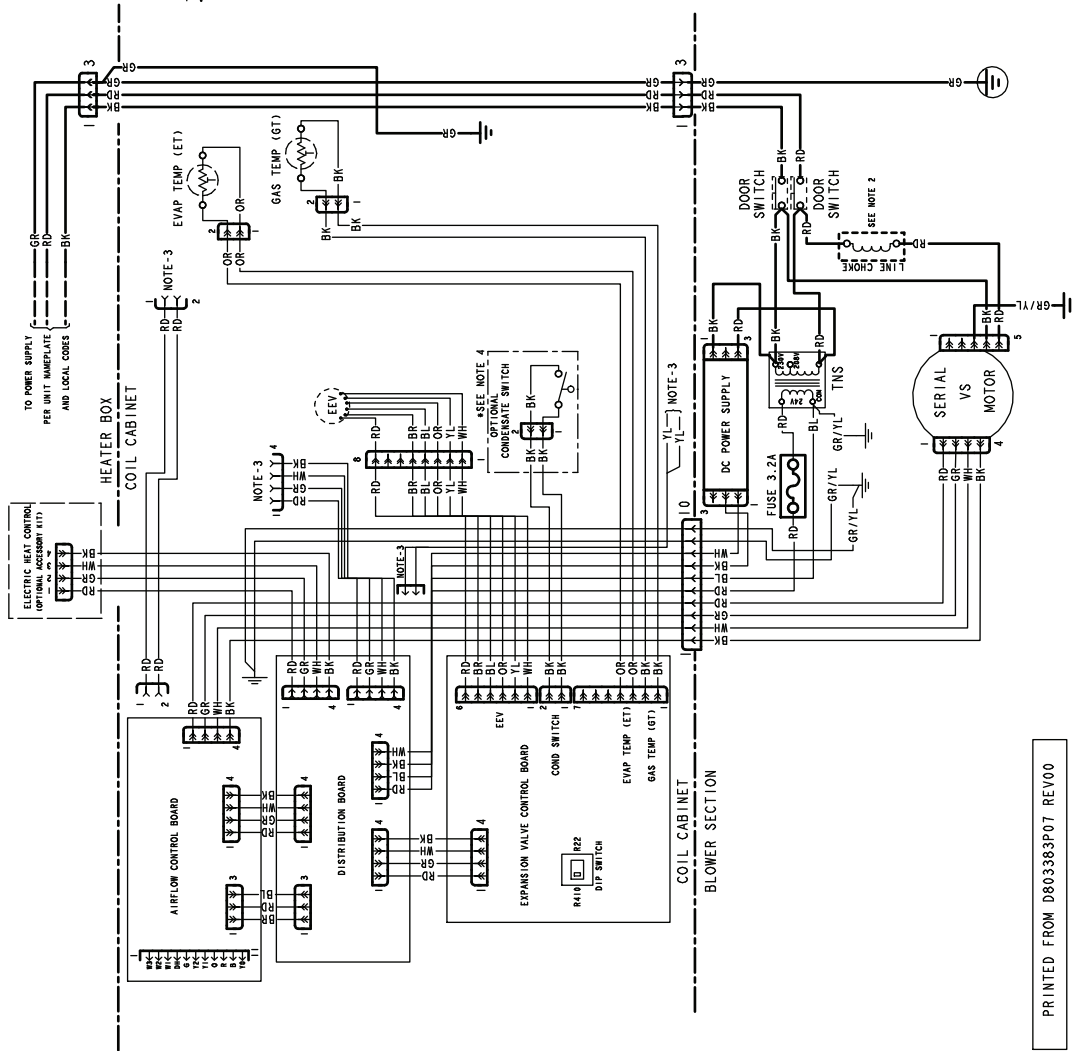


# WIRING — D803383P07

## LEGEND



- NOTES:
- FOR 208V OPERATION, MOVE THE BLACK TRANSFORMER LEAD TO THE 208V CENTER TRANSFORMER TERMINAL ALL MODELS.
  - LINE CHOKE MAY NOT BE USED ON
  - SUPPLY AIR TEMP, INTERFACE BOARD AND WY HARNESS NOT USED ON THIS MODEL.
  - OPTIONAL OEM CONDENSATE KIT BAYICSKIT\*\*\* MAY OR MAY NOT BE INSTALLED.
  - POWER MUST BE REMOVED FROM UNIT, FOR DIP SWITCH CHANGES TO TAKE EFFECT.

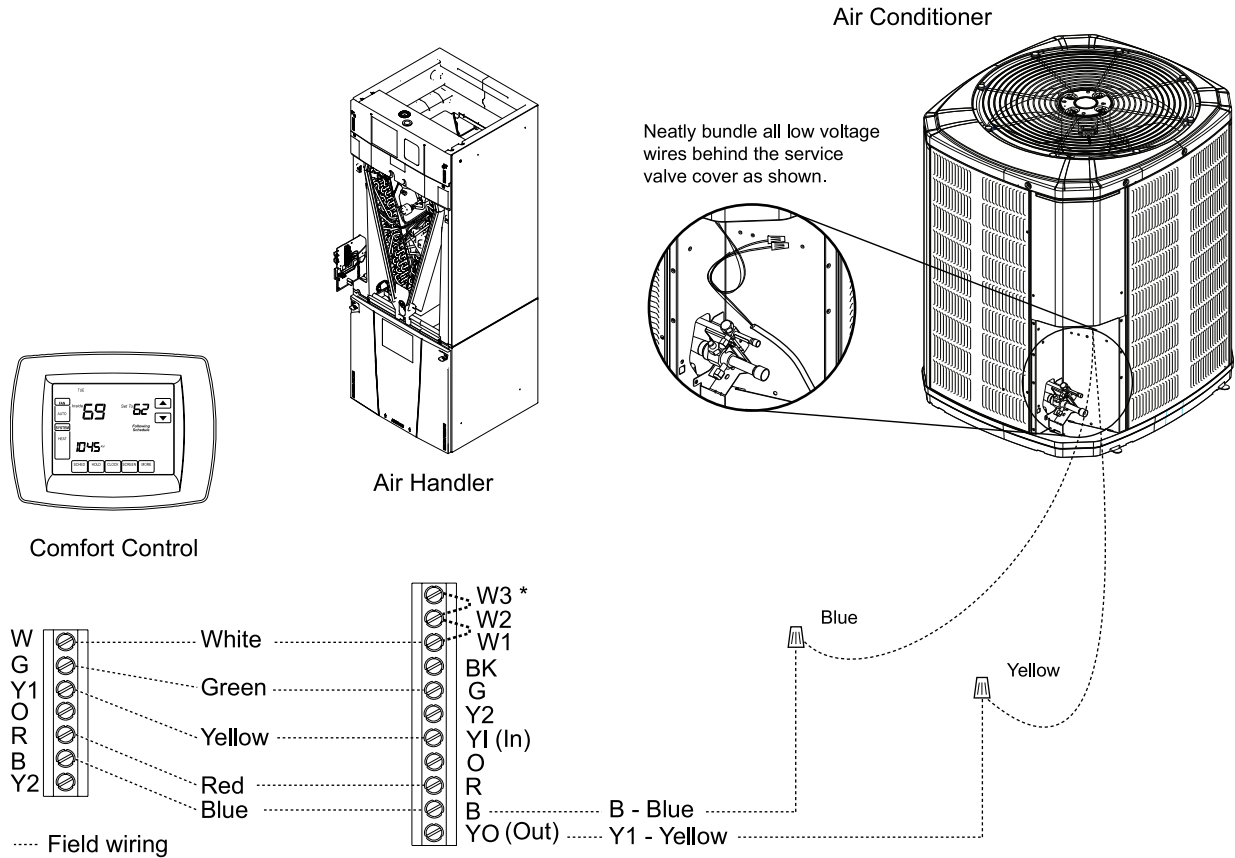


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# TAM7 Single Stage Cooling

Figure 1. Field Wiring — Single Stage Cooling

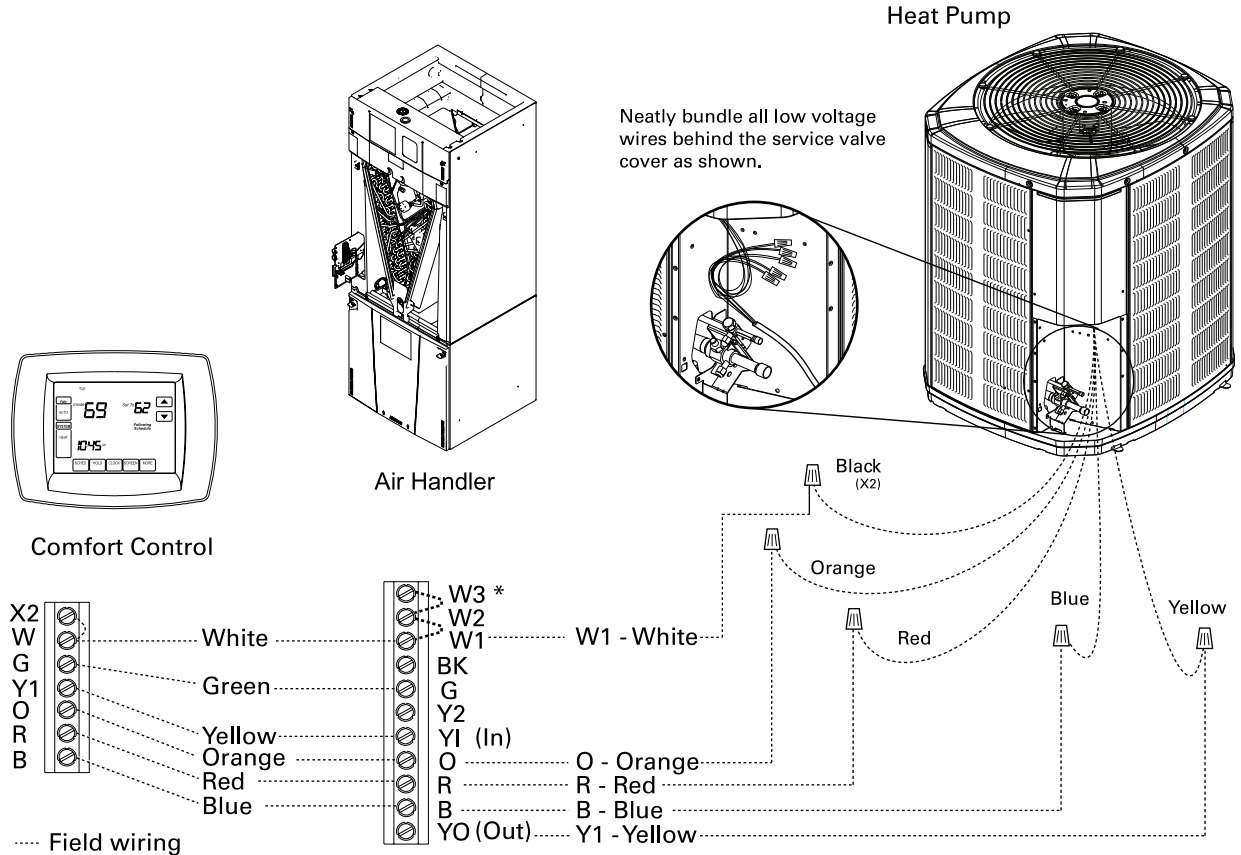


- \* For multiple stages of electric heat, jumper W1, W2, and W3 together if comfort control has only one stage of heat.
- YI and YO connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly.
- Internally mounted condensate switch is optional and must be ordered separately.
- If 3rd party condensate overflow switches are installed, they should be wired between Y of the thermostat and YI of the Airflow control.



# TAM7 Single Stage Heat Pump

Figure 2. Field Wiring — Single Stage HP

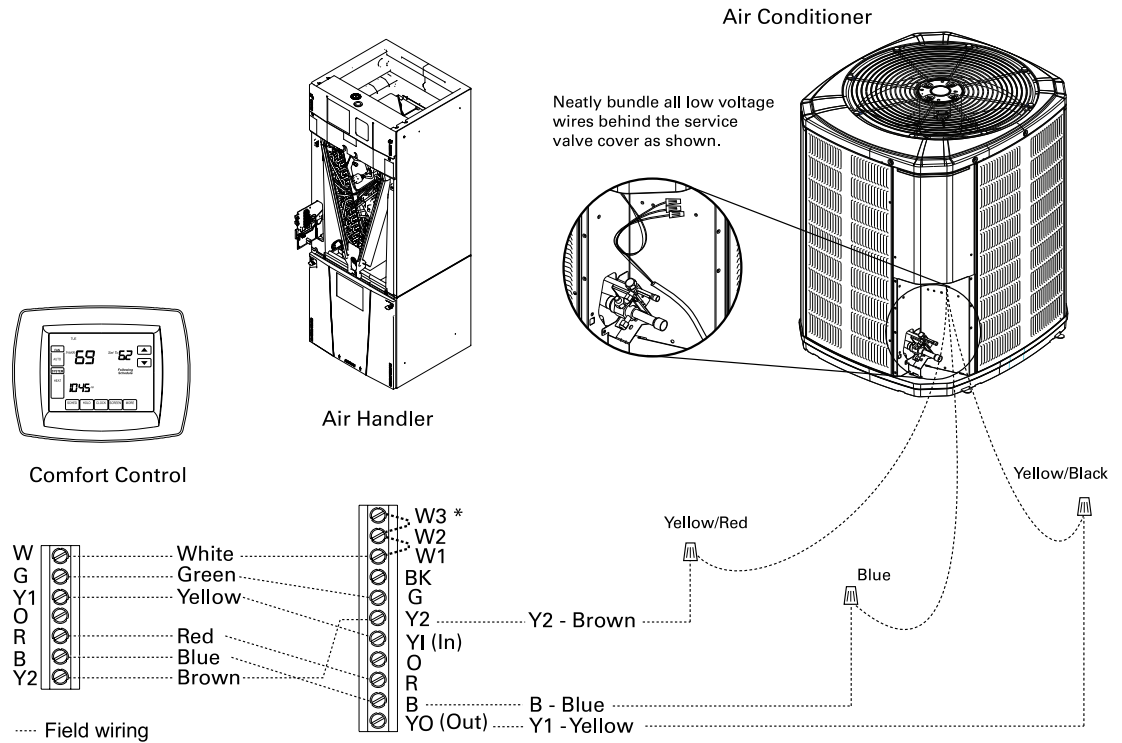


- \* For multiple stages of electric heat, jumper W1, W2, and W3 together if comfort control has only one stage of heat.
- Y1 and YO connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly.
- Internally mounted condensate switch is optional and must be ordered separately.
- If 3rd party condensate overflow switches are installed, they should be wired between Y of the thermostat and Y1 of the Airflow control.



# TAM7 Two Stage Cooling

Figure 3. Field Wiring — Two Stage Cooling

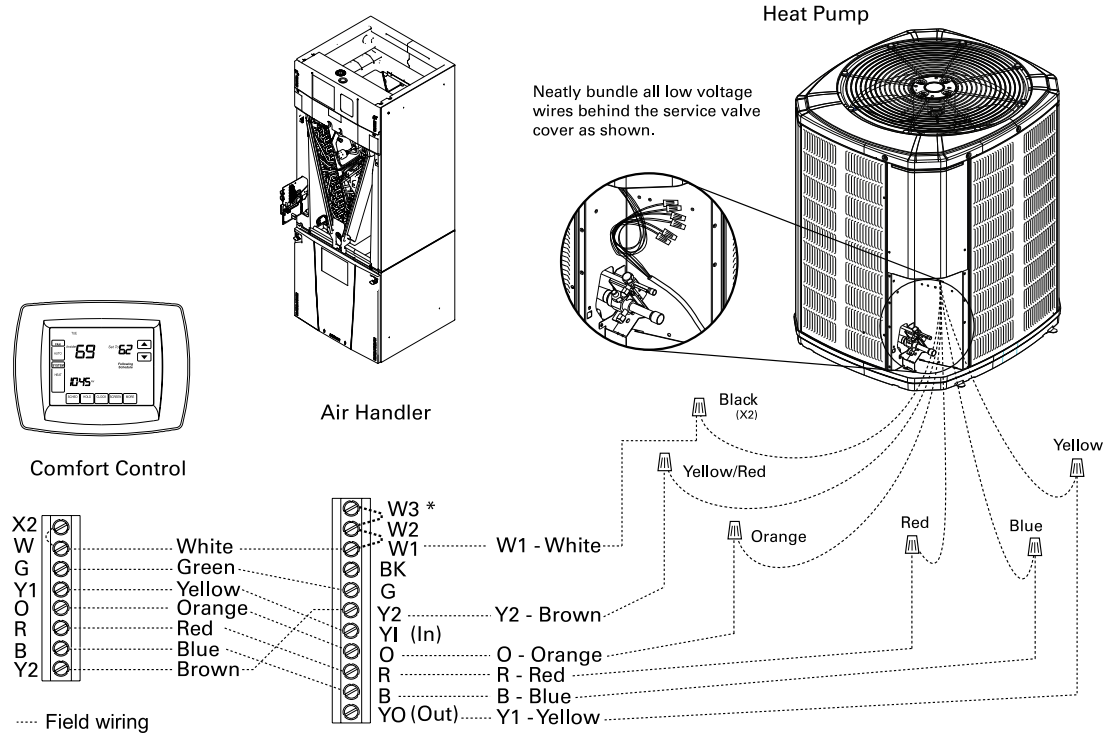


- \* For multiple stages of electric heat, jumper W1, W2, and W3 together if comfort control has only one stage of heat.
- Y1 and YO connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly.
- Internally mounted condensate switch is optional and must be ordered separately.
- If 3rd party condensate overflow switches are installed, they should be wired between Y of the thermostat and Y1 of the Airflow control.



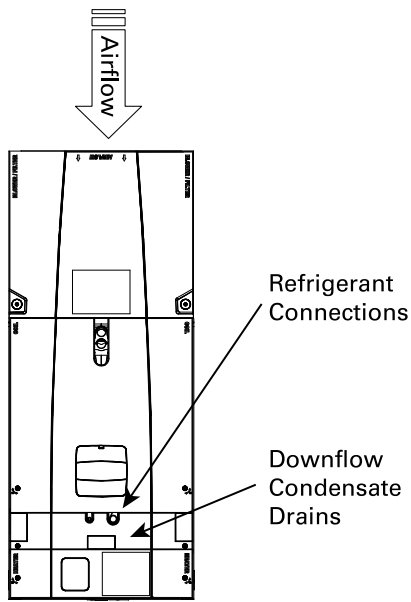
# TAM7 Two Stage Heat Pump

Figure 4. Field Wiring — Two Stage HP

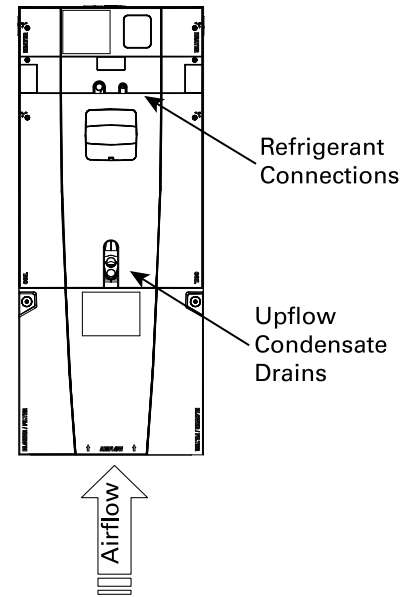


- \* For multiple stages of electric heat, jumper W1, W2, and W3 together if comfort control has only one stage of heat.
- Y1 and YO connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly.
- Internally mounted condensate switch is optional and must be ordered separately.
- If 3rd party condensate overflow switches are installed, they should be wired between Y of the thermostat and Y1 of the Airflow control.

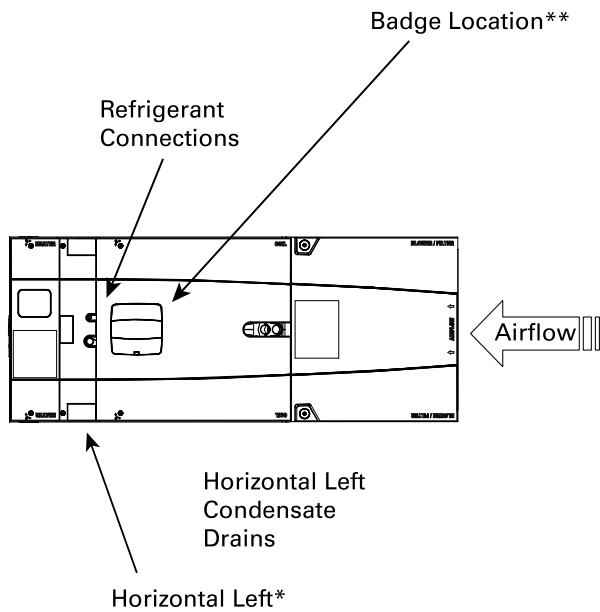
# Multi-position Air Handler



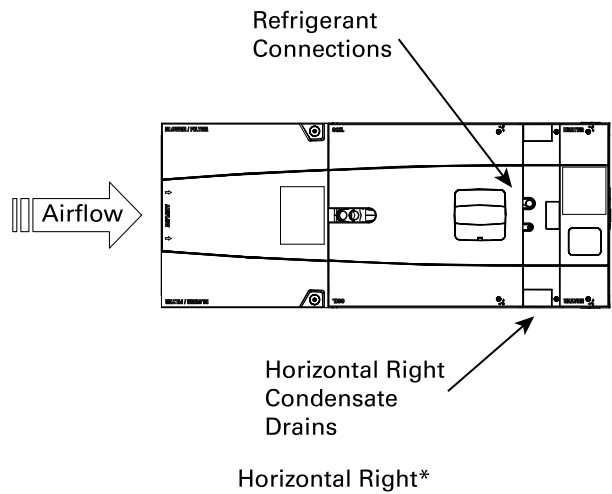
Vertical Downflow\*  
(as shipped)



Vertical Upflow\*



Horizontal Left\*



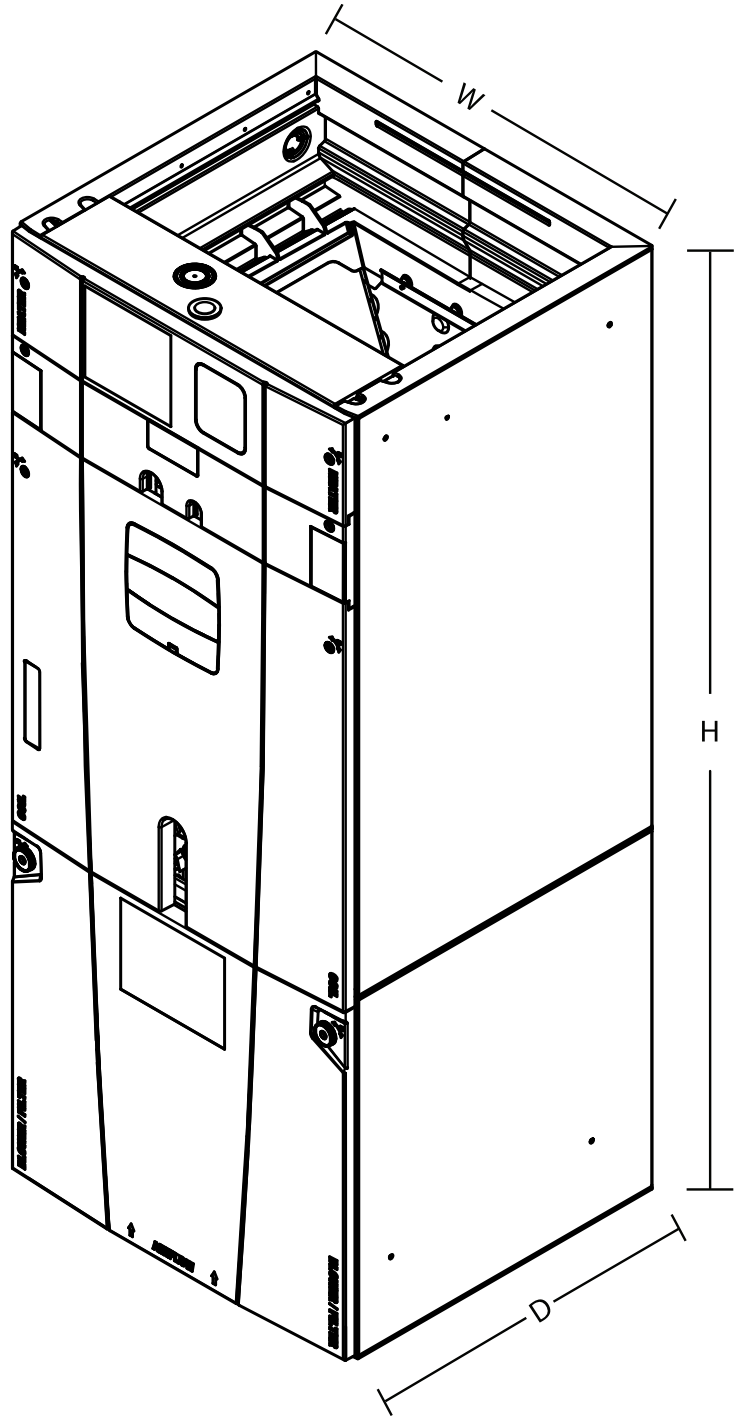
Horizontal Right\*

**Note:** \* No internal modifications required for any position.  
 \*\* Badge rotation will keep brand in correct position.



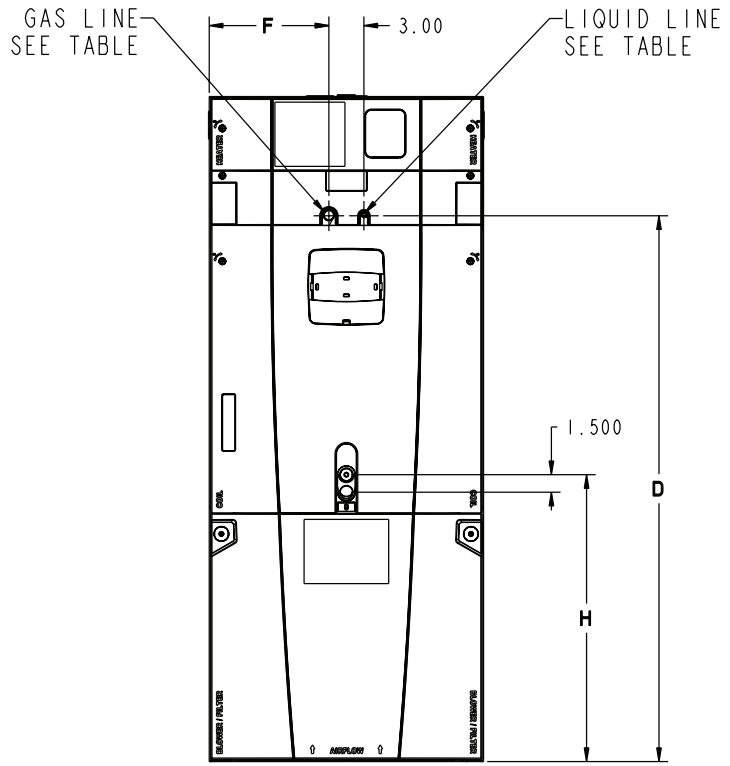
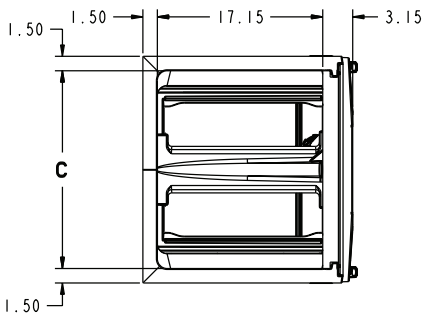
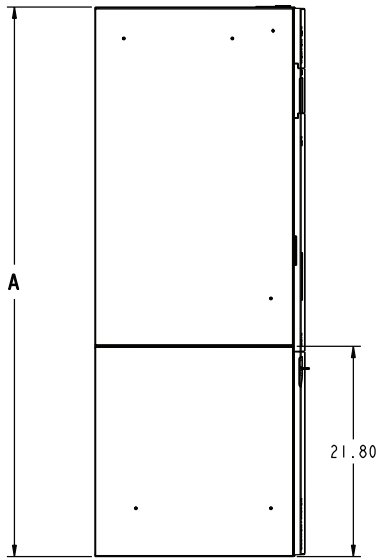
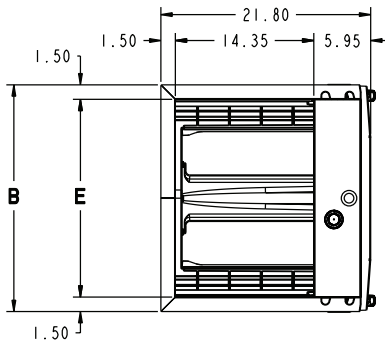
# Air Handler Dimensional Data

Model Number	Height	Width	Depth
TAM7A0A24H21SC	49.9	17.5	21.75
TAM7A0B30H21SC	55.7	21.3	21.75
TAM7A0C36H31SC	56.9	23.5	21.75
TAM7A0C42H31SC	56.9	23.5	21.75
TAM7A0C248H41SC	61.7	23.5	21.75
TAM7B0C60H51SB	61.7	23.5	21.75





# TAM7 OUTLINE DRAWING



MINIMUM UNIT CLEARANCE TABLE		
	TO COMBUSTIBLE MATERIAL (REQUIRED)	SERVICE CLEARANCE (RECOMMENDED)
SIDES	0"	2"
FRONT	0"	21"
BACK	0"	0"
INLET DUCT	0"	
OUTLET DUCT	0"	

Model Number	A	B	C	D	E	F	H	FLOW CONTROL	GAS LINE BRAZE	LIQ LINE BRAZE
TAM7A0A24H21SC	49.9	17.5	14.5	39.6	14.5	7.3	24.4	EEV	3/4	3/8
TAM7A0B30H21SC	55.7	21.3	18.4	45.5	18.4	9.2	24.8	EEV	3/4	3/8
TAM7A0C36H31SC	56.9	23.5	20.5	46.7	20.5	10.3	24.2	EEV	7/8	3/8
TAM7A0C42H31SC	56.9	23.5	20.5	46.7	20.5	10.3	24.5	EEV	7/8	3/8
TAM7A0C48H41SC	61.7	23.5	20.5	51.5	20.5	10.3	24.9	EEV	7/8	3/8
TAM7B0C60H51SB	61.7	23.5	20.5	51.5	20.5	10.3	24.9	EEV	7/8	3/8







Notes

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