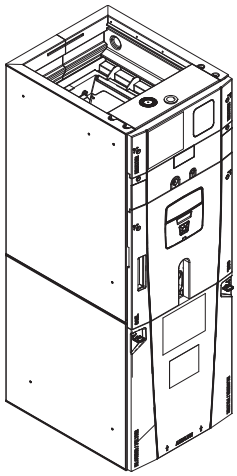
Product Data

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

TAM9A0A24V21DA
TAM9A0B30V31DA
TAM9A0C36V31DA
TAM9A0C42V41DA
TAM9A0C48V41DA
TAM9A0C60V51DA



Note: *"Graphics in this document are for representation only. Actual model may differ in appearance."*

Note: *For use with BAYEA series heaters ONLY*

April 2020

22-1935-1D-EN

Features and Benefits

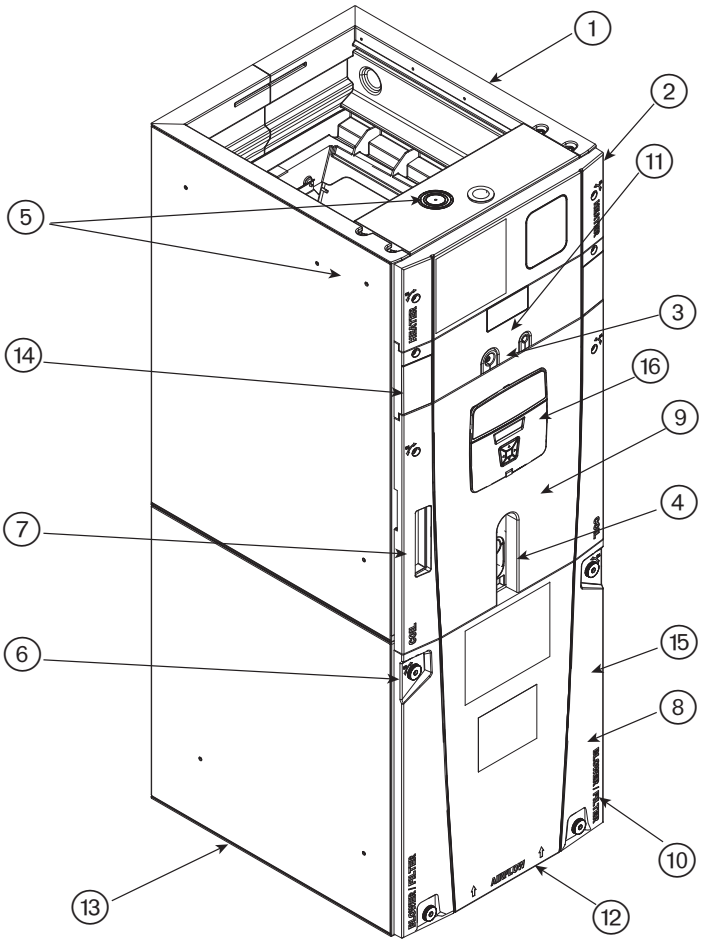
- Unique cabinet design
  - 2% or less air leakage
  - Precision applied — durable door seals
  - Specially designed air seal around refrigerant, condensate and conduit connections
  - Double wall foamed cabinet system
  - R-4.2 Insulating Value (Avg Insulating Value R-8.2)
  - No loose fiber design
  - 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
- Communicating or 24 Volt control
- Control Display Assembly (CDA) with enhanced diagnostic information and setup capability
- 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 Accessories

Accessory Number	Description	Fits Cabinet Size[a]
BAYEAAC04BK1	Electric Heater, 4kW, Breaker, 24V Control, 1 Ph	A to C
BAYEAAC04LG1	Electric Heater, 4kW, Lugs, 24VControl, 1 Ph	A to C
BAYEAAC05BK1	Electric Heater, 5kW, Breaker, 24V Control, 1 Ph	A to C
BAYEAAC05LG1	Electric Heater, 5kW, Lugs, 24VControl, 1 Ph	A to C
BAYEAAC08BK1	Electric Heater, 8kW, Breaker, 24V Control, 1 Ph	A to C
BAYEAAC08LG1	Electric Heater, 8kW, Lugs, 24VControl, 1 Ph	A to C
BAYEAAC10BK1	Electric Heater, 10kW, Breaker, 24V Control, 1 Ph	A to C
BAYEAAC10LG1	Electric Heater, 10kW, Lugs, 24VControl, 1 Ph	A to C
BAYEABC15BK1	Electric Heater, 15kW, Breaker, 24V Control, 1 Ph	B to C
BAYEABC20BK1	Electric Heater, 20kW, Breaker, 24VControl, 1 Ph	C
BAYEACC25BK1	Electric Heater, 25kW, Breaker, 24V Control, 1 Ph	C
BAYEAAC10LG3	Electric Heater, 10kW, Lugs, 24VControl, 3 Ph	A to C
BAYEABC15LG3	Electric Heater, 15kW, Lugs, 24V 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 [b] [c]	Plenum Stand with integrated sound baffle A	A
TASB215SB [b][c]	Plenum Stand with integrated sound baffle B	B
TASB235SB [b][c]	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
TAYBASETAMA	Downflow Sub-Base Kit	A to C
BAYBAFKT175A [d]	Sound Baffle Kit for 17.5" Cabinet	A
BAYBAFKT215A [d]	Sound Baffle Kit for 21.0" Cabinet	B
BAYBAFKT235A [d]	Sound Baffle Kit for 23.5" Cabinet	C
TASSBK175 [b][e] [f]	Sound Baffle Kit for 17.5" Cabinet	A
TASSBK210 [b][e][f]	Sound Baffle Kit for 21.0" Cabinet	B
TASSBK235 [b][e][f]	Sound Baffle Kit for 23.5" Cabinet	C
BAYICSKIT01A	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
BAYWAAA05SC1AA	Hydronic Coil — 50,000 BTUH — Slide-in	A to A
BAYWABB07SC1AA	Hydronic Coil — 70,000 BTUH — Slide-in	B to B
BAYWACC08SC1AA	Hydronic Coil — 80,000 BTUH — Slide-in	C to C
BAYWACC11SC1AA	Hydronic Coil — 100,000 BTUH — Add on	C to C
BAYWAKIT24VAC	Hydronic Heater Relay Kit — (used in Communicating mode only)	A to C
BAYINSKT175A	Solcoustic® Liner Kit for 17.5" cabinet	A
BAYINSKT215A	Solcoustic® Liner Kit for 21.5" cabinet	B
BAYINSKT235A	Solcoustic® Liner Kit for 23.5" cabinet	C
BAYCNDPIP01A	3/4" PVC Threaded Pipe Kit foam Seal (10 per box)	A to C
BAYAHEMIKIT001A	EMI/EFI Air Handler Electronic noise kit for variable speed blower motor	A to C

[a] A Cabinet is 17.5" wide, B Cabinet is 21.5" wide, C Cabinet is 23.5" wide.
[b] Contact your distributor for information.
[c] In open air applications, the plenum stand with sound baffle provides sound reduction.
[d] Mounts inside air handler filter channel.
[e] In return plenum applications, use TASSBK for sound reduction.
[f] Mounts to TASB original plenum stand without integrated baffle.

Unique Cabinet Design Features and Benefits



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

PRODUCT SPECIFICATIONS

MODEL	TAM9A0A24V21DA	TAM9A0B30V31DA	TAM9A0C36V31DA
RATED VOLTS/PH/HZ.	200 — 230/1/60	200 — 230/1/60	200 — 230/1/60
RATINGS [a]	See O.D. Specifications	See O.D. Specifications	See O.D. Specifications
INDOOR COIL — Type	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.)[b]	3/4 NPT	3/4 NPT	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing	See Outline Drawing	See Outline Drawing
INDOOR FAN — Type	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 — 3.5 [c]	3.0 — 3.5 [c]	3.0 — 3.5 [c]
FILTER			
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.
REFRIGERANT	**R-410A**	**R-410A**	**R-410A**
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
DIMENSIONS	H x W x D	H x W x D	H x W x D
Crated (In.)	51 x 20 x 24.5	56.8 x 23.5 x 24.5	58 x 25.5 x 24.5
Uncrated	49.9 x 17.5 x 21.8	55.7 x 21.3 x 21.8	56.9 x 23.5 x 21.8
WEIGHT			
Shipping (Lbs.)/Net (Lbs.)	126/116	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)
[c] Check motor nameplate for actual FLA

PRODUCT SPECIFICATIONS

MODEL	TAM9A0C42CV41DA	TAM9A0C48V41DA	TAM9A0C60V51DA
RATED VOLTS/PH/HZ.	200 — 230/1/60	200 — 230/1/60	200 — 230/1/60
RATINGS [a]	See O.D. Specifications	See O.D. Specifications	See O.D. Specifications
INDOOR COIL — Type	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.)[b]	3/4 NPT	3/4 NPT	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing	See Outline Drawing	See Outline Drawing
INDOOR FAN — Type	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 — 3.5 [c]	5.0	6.4
FILTER			
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.
REFRIGERANT	**R-410A**	**R-410A**	**R-410A**
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
DIMENSIONS	H x W x D	H x W x D	H x W x D
Crated (In.)	58 x 25.5 x 24.5	62.8 x 25.5 x 24.5	62.8 x 25.5 x 24.5
Uncrated	56.9 x 23.5 x 21.8	61.7 x 23.5 x 21.8	61.7 x 23.5 x 21.8
WEIGHT			
Shipping (Lbs.)/Net (Lbs.)	162/150	174/162	175/163

(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)
(c) Check motor nameplate for actual FLA.

TAM9 Air Flow Performance Tables

TAM9A0A24 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
1.5 tons	290 CFM/ton	CFM Watts	407 / 546 22 / 40	430 / 403 51 / 48	398 / NA 77 / NA	347 / NA 103 / NA	255 / NA 133 / NA	290 CFM/ton	CFM Watts	416 22	426 49	401 76	330 101	291 134
	350 CFM/ton	CFM Watts	534 / 630 39 / 57	549 / 531 71 / 68	542 /360 103 / 73	509 / NA 132 / NA	445 / NA 156/ NA	350 CFM/ton	CFM Watts	532 37	550 69	542 101	507 129	434 152
	400 CFM/ton	CFM Watts	617 / 697 54 / 72	633 / 617 90 / 86	632 /501 125 / 96	604 / NA 156 / NA	559 / NA 181 / NA	400 CFM/ton	CFM Watts	660 62	680 99	679 136	658 169	614 197
	450 CFM/ton	CFM Watts	691 / 762 72 / 91	710 / 693 111 / 106	707 /602 148 /119	688 / 478 183 / 127	649 / NA 212 / NA	450 CFM/ton	CFM Watts	690 69	710 108	709 145	690 180	651 208
2 tons †	290 CFM/ton	CFM Watts	593 / 680 54 / 68	613 / 595 85 / 81	607 /470 119 /90	583 / 208 150 / 94	527 / 132 175 / 138	290 CFM/ton	CFM Watts	593 48	613 82	608 116	582 147	527 172
	350 CFM/ton	CFM Watts	717 / 783 79 / 98	733 / 717 118 / 114	733 /632 157 /127	714 / 519 192 / 136	678 / 355 222 / 143	350 CFM/ton	CFM Watts	714 75	734 115	734 153	716 189	679 218
	400 † CFM/ton	CFM Watts	810 / 868 108 / 128	827 / 811 152 / 146	827 /740 194 / 161	813 / 652 233 / 173	782 / 543 265 / 182	400 [a] CFM/ton	CFM Watts	862 122	881 168	884 213	874 254	849 290
	450 CFM/ton	CFM Watts	903 / 954 144 / 165	918 / 902 192 / 182	920 /839 238 /201	909 / 764 280 / 215	884 / 674 316 / 224	450 CFM/ton	CFM Watts	899 136	917 184	921 231	912 273	889 310
2.5 tons	290 CFM/ton	CFM Watts	741 / 820 86 / 110	757 / 759 126 / 127	757 / 681 166 /141	739 / 582 202 / 152	705 / 452 232 / 159	290 CFM/ton	CFM Watts	738 81	757 122	758 162	742 198	707 229
	350 CFM/ton	CFM Watts	880 / 947 134 / 162	896 / 895 182 / 181	896 / 832 226 /198	885 / 757 267 / 211	859 / 665 302 / 221	350 CFM/ton	CFM Watts	876 127	895 174	898 220	888 261	864 297
	400 CFM/ton	CFM Watts	996 /1059 188 / 220	1011 / 1011 241 / 240	1014 / 954 291 / 257	1006 / 887 336 / 271	985 / 807 375 / 280	400 CFM/ton	CFM Watts	1064 215	1083 272	1089 326	1084 375	1066 418
	450 CFM/ton	CFM Watts	1120 / 1180 260 / 297	1135 / 1134 319 / 317	1137 / 1081 373 /334	1129 / 1019 422 / 347	1108 / 946 463 / 355	450 CFM/ton	CFM Watts	1115 244	1133 304	1139 360	1133 410	1116 453
3 tons	290 CFM/ton	CFM Watts	875 / 943 132 / 160	891 / 891 179 / 179	892 / 891 224 / 196	880 / 751 265 / 209	854 / 659 300 / 218	290 CFM/ton	CFM Watts	871 125	890 172	894 217	883 259	859 295
	350 CFM/ton	CFM Watts	1045 / 1106 215 / 248	1060 / 1059 270 / 268	1063 / 1004 321 / 285	1055 / 939 369 / 299	1035 / 862 409 / 308	350 CFM/ton	CFM Watts	1040 202	1058 257	1064 310	1059 358	1041 401
	400 CFM/ton	CFM Watts	1200 / 1257 315 / 354	1212 / 1211 376 / 374	1212 / 1159 432 / 390	1200 / 1099 480 / 402	1129 / 1030 481 / 409	400 CFM/ton	CFM Watts	1291 368	1302 432	1300 487	1220 478	1138 470
	450 CFM/ton	CFM Watts	1358 / 1403 447 / 484	1333 / 1359 482 / 502	1256 / 1308 472 / 517	1177 / 1251 466 / 527	1095 / 1187 460 / 531	450 CFM/ton	CFM Watts	1355 422	1360 483	1286 476	1208 468	1128 462

- † 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

TAM9A0A24 Minimum Heating Airflow Settings							
MODEL NO.	BAYEAAC04BK1 BAYEAAC04LG1 BAYEAAC05BK1 BAYEAAC05LG1	BAYEAAC08BK1 BAYEAAC08LG1	BAYEAAC10BK1 BAYEAAC10LG1	BAYEAAC10LG3	BAYEABC15BK1	BAYEACB15LG3	BAYEABC20BK1
TAM9A0A24	638/713	638/900	675/900	600/713	–	–	–
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS							

[a] Factory heating default setting is 430 CFM/ton

TAM9A0B30 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
1.5 tons	290 CFM/ton	CFM Watts	492 / 581 22 / 30	442 / 397 45 / 41	408 / NA 71/ NA	353 / NA 98 / NA	221 / NA 129 / NA	290 CFM/ton	CFM Watts	485 21	437 44	393 69	349 97	300 130
	350 CFM/ton	CFM Watts	576 / 664 30 / 40	553 / 515 58 / 54	527 / NA 87 / NA	493 / NA 117 / NA	472 / NA 150 / NA	350 CFM/ton	CFM Watts	574 29	545 56	517 85	489 115	457 146
	400 CFM/ton	CFM Watts	644 / 730 38 / 49	633 / 598 70 / 65	612 / 403 102 / 72	590 / NA 134 / NA	563 / NA 167 / NA	400 CFM/ton	CFM Watts	643 37	624 67	605 99	583 132	559 165
	450 CFM/ton	CFM Watts	711 / 794 47 / 60	708 / 673 83 / 77	691 / 510 118 / 86	678 / NA 154 / NA	656 / NA 189 / NA	450 CFM/ton	CFM Watts	709 45	698 80	684 115	669 151	649 186
2 tons †	290 CFM/ton	CFM Watts	627 / 713 36 / 47	611 / 576 66 / 62	589 / 369 98 / 68	568 / NA 130 / NA	542 / NA 163 / NA	290 CFM/ton	CFM Watts	625 35	603 64	582 95	559 127	533 160
	350 CFM/ton	CFM Watts	734 / 815 51/ 64	730 / 698 87 / 82	717 / 541 124 / 91	705 / NA 161 / NA	684 / NA 197 / NA	350 CFM/ton	CFM Watts	731 49	722 84	710 120	696 157	677 193
	400 † CFM/ton	CFM Watts	822 / 898 66 / 81	824 / 792 107 / 101	817 / 657 149 / 112	811 / NA 191 / NA	797 / NA 231 / NA	400 [a] CFM/ton	CFM Watts	817 63	815 103	811 145	801 186	788 226
	450 CFM/ton	CFM Watts	910 / 982 85 / 102	916 / 884 131 / 123	916 / 763 178 / 136	914 / 610 226 / 140	904 / NA 270 / NA	450 CFM/ton	CFM Watts	902 80	907 126	908 172	904 219	895 263
2.5 tons	290 CFM/ton	CFM Watts	755 / 860 54 / 73	753 / 749 92 / 91	742 / 606 130 / 102	732 / 397 168 / 104	712 / NA 205 / NA	290 CFM/ton	CFM Watts	753 52	745 88	735 126	723 164	706 201
	350 CFM/ton	CFM Watts	887 / 985 80 / 102	893 / 887 125 / 124	891 / 767 170 / 137	888 / 614 217 / 141	876 / NA 260 / NA	350 CFM/ton	CFM Watts	881 75	884 120	884 165	879 210	868 253
	400 CFM/ton	CFM Watts	998 / 1094 107 / 134	1010 / 1003 160 / 158	1017 / 895 213 / 173	1018 / 765 266 / 179	1008 / NA 315 / NA	400 CFM/ton	CFM Watts	989 100	1001 152	1008 205	1008 257	1000 306
	450 CFM/ton	CFM Watts	1116 / 1212 143 / 176	1135 / 1126 205 / 201	1147 / 1027 267 / 219	1148 / 911 325 / 227	1134 / NA 376 / NA	450 CFM/ton	CFM Watts	1104 133	1124 194	1136 255	1139 314	1128 366
3 tons	290 CFM/ton	CFM Watts	883 / 981 79 / 101	888 / 882 124 / 122	887 / 762 169 / 136	881 / 608 214 / 140	870 / NA 257 / NA	290 CFM/ton	CFM Watts	877 74	880 118	879 164	874 208	863 252
	350 CFM/ton	CFM Watts	1043 / 1140 120 / 150	1059 / 1051 177 / 174	1068 / 947 233 / 190	1069 / 823 288 / 197	1059 / NA 339 / NA	350 CFM/ton	CFM Watts	1034 112	1049 168	1058 224	1061 279	1053 330
	400 CFM/ton	CFM Watts	1190 / 1304 170 / 203	1214 / 1221 238 / 231	1226 / 1126 304 / 251	1223 / 1016 364 / 261	1201 / 886 414 / 261	400 CFM/ton	CFM Watts	1177 157	1201 224	1215 291	1215 352	1198 403
	450 CFM/ton	CFM Watts	1355 / 1471 241 / 282	1376 / 1391 318 / 311	1375 / 1302 386 / 333	1353 / 1201 441 / 345	1296 / 1086 472 / 345	450 CFM/ton	CFM Watts	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

TAM9A0B30 Minimum Heating Airflow Settings							
MODEL NO.	BAYEAAC04BK1 BAYEAAC04LG1 BAYEAAC05BK1 BAYEAAC05LG1	BAYEAAC08BK1 BAYEAAC08LG1	BAYEAAC10BK1 BAYEAAC10LG1	BAYEAAC10LG3	BAYEABC15BK1	BAYEACB15LG3	BAYEABC20BK1
TAM9A0B30	723/808	723/1020	765/1020	680/808	765/1063	850/1105	–
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE							

[a] Factory heating default setting is 430 CFM/ton

TAM9A0C36 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
2 tons	290 CFM/ton	CFM Watts	605 / 747 31 / 48	573 / 565 59 / 58	553 / 306 88 / 62	548 / NA 120 / NA	546 / NA 153 / NA	290 CFM/ton	CFM Watts	606 31	574 58	557 87	551 119	549 152
	370 CFM/ton	CFM Watts	755 / 880 50 / 70	745 / 738 85 / 85	737 / 575 121 / 93	738 / 367 160 / 97	735 / NA 197 / NA	350 CFM/ton	CFM Watts	720 43	705 77	695 111	694 148	691 184
	400 CFM/ton	CFM Watts	810 / 929 58 / 80	804 / 797 97 / 96	800 / 650 136 / 106	802 / 478 176 / 111	802 / 231 216 / 120	400 CFM/ton	CFM Watts	810 56	805 95	800 134	803 174	802 214
	450 CFM/ton	CFM Watts	900 / 1011 75 / 98	900 / 893 118 / 117	902 / 764 162 / 129	905 / 624 207 / 136	906 / 462 251 / 140	450 CFM/ton	CFM Watts	900 72	900 115	903 159	906 204	907 248
2.5 tons	290 CFM/ton	CFM Watts	742 / 891 48 / 72	729 / 752 82 / 87	722 / 592 118 / 96	721 / 394 155 / 99	720 / NA 193 / NA	290 CFM/ton	CFM Watts	742 46	731 81	722 117	722 154	720 191
	370 CFM/ton	CFM Watts	922 / 1055 80/ 109	923 / 942 124 / 128	927 / 820 170 / 142	930 / 690 215 / 150	931 / 546 260 / 154	350 CFM/ton	CFM Watts	877 68	877 110	876 152	880 196	880 239
	400 CFM/ton	CFM Watts	989 / 1118 95 / 127	995 / 1012 143 / 148	1002 / 899 193 / 163	1008 / 779 242 / 173	1010 / 652 290 / 177	400 CFM/ton	CFM Watts	989 90	995 139	1000 188	1008 258	1008 285
	450 CFM/ton	CFM Watts	1103 / 1228 125 / 162	1117 / 1131 181 / 185	1129 / 1028 238 / 203	1137 / 921 294 / 215	1137 / 809 346 / 221	450 CFM/ton	CFM Watts	1102 119	1116 175	1127 231	1137 288	1138 340
3 tons †	290 CFM/ton	CFM Watts	872 / 1009 70 / 97	871 / 890 111 / 116	871 / 761 154 / 128	874 / 620 197 / 135	874 / 457 240 / 139	290 CFM/ton	CFM Watts	871 67	872 109	871 151	874 195	875 237
	370 † CFM/ton	CFM Watts	1089 / 1214 121 / 157	1102 / 1116 176 / 180	1114 / 1013 232 / 198	1121 / 905 287 / 209	1122 / 791 339 / 215	350 CFM/ton	CFM Watts	1033 101	1043 152	1051 204	1059 257	1061 307
	400 CFM/ton	CFM Watts	1175 / 1298 147 / 188	1193 / 1205 208/ 212	1208 / 1107 270 / 231	1215 / 1006 329 / 244	1211 / 899 382 / 251	400 [a] CFM/ton	CFM Watts	1171 139	1191 200	1205 262	1215 322	1212 376
	450 CFM/ton	CFM Watts	1329 / 1447 204/ 253	1353 / 1361 276 / 279	1366 / 1270 345 / 299	1363 / 1176 406 / 313	1343 / 1077 456 / 321	450 CFM/ton	CFM Watts	1324 192	1349 264	1364 334	1364 396	1347 448
3.5 tons	290 CFM/ton	CFM Watts	1002 / 1131 98 / 130	1009 / 1026 147 / 152	1017 / 914 198 / 167	1023 / 797 248 / 177	1024 / 671 296 / 182	290 CFM/ton	CFM Watts	997 92	1010 143	1016 197	1022 248	1027 293
	370 CFM/ton	CFM Watts	1270 / 1391 181 / 227	1293 / 1302 249 / 252	1308 / 1210 316 / 272	1311 / 1113 377 / 286	1297 / 1012 429 / 293	350 CFM/ton	CFM Watts	1196 146	1217 210	1231 272	1241 334	1234 387
	400 CFM/ton	CFM Watts	1383 / 1499 227 / 278	1407 / 1414 303 / 305	1416 / 1325 372 / 325	1406 / 1233 431 / 340	1380 / 1136 478 / 348	400 CFM/ton	CFM Watts	1379 214	1404 289	1415 360	1330 378	1390 473
	450 CFM/ton	CFM Watts	1579 / 1669 326 / 375	1583 / 1587 402 / 402	1567 / 1502 464 / 423	1474 / 1413 475 / 437	1357 / 1320 468 / 444	450 CFM/ton	CFM Watts	1499 268	1508 342	1586 460	1504 478	1390 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

TAM9A0C36 Minimum Heating Airflow Settings

MODEL NO.	BAYEAAC04BK1 BAYEAAC04LG1 BAYEAAC05BK1 BAYEAAC05LG1	BAYEAAC08BK1 BAYEAAC08LG1	BAYEAAC10BK1 BAYEAAC10LG1	BAYEAAC10LG3	BAYEABC15BK1	BAYEACB15LG3	BAYEABC20BK1
TAM9A0C36	876/979	876/1236	927/1236	824/979	927/1288	1030/1339	1236/1442
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE							

[a] Factory heating default setting is 420 CFM/ton

TAM9A0C42 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
2.5 tons	290 CFM/ton	CFM Watts	747 / 905 48 / 77	743 / 764 87 / 94	742 / 591 127 / 102	741 / 342 168 / 106	739 / NA 207 / NA	290 CFM/ton	CFM Watts	744 51	741 90	740 130	738 170	734 209
	370 CFM/ton	CFM Watts	937 / 1072 80 / 118	942 / 956 129 / 139	946 / 823 179 / 151	947 / 655 227 / 155	944 / 458 273 / 155	350 CFM/ton	CFM Watts	889 76	892 123	894 169	894 215	890 259
	400 CFM/ton	CFM Watts	1006 / 1136 95 / 138	1014 / 1027 148 / 159	1020 / 903 201 / 173	1022 / 760 253 / 178	1019 / 586 302 / 177	400 CFM/ton	CFM Watts	1006 103	1016 156	1018 209	1019 160	1016 308
	450 CFM/ton	CFM Watts	1122 / 1247 125 / 176	1135 / 1146 185 / 200	1143 / 1035 245 / 216	1146 / 911 303 / 224	1142 / 768 357 / 223	450 CFM/ton	CFM Watts	1124 136	1135 196	1142 256	1144 313	1140 366
3 tons	290 CFM/ton	CFM Watts	885 / 1026 70 / 106	889 / 904 116 / 125	891 / 763 163 / 136	892 / 590 209 / 139	889 / 341 254 / 143	290 CFM/ton	CFM Watts	884 75	887 121	889 168	889 214	885 257
	370 CFM/ton	CFM Watts	1108 / 1233 121 / 171	1120 / 1132 181 / 195	1128 / 1019 240 / 210	1131 / 893 297 / 218	1128 / 747 350 / 217	350 CFM/ton	CFM Watts	1053 115	1062 171	1067 227	1069 280	1066 330
	400 CFM/ton	CFM Watts	1194 / 1316 147 / 204	1208 / 1220 212 / 229	1218 / 1115 276 / 246	1221 / 999 337 / 255	1215 / 868 393 / 256	400 CFM/ton	CFM Watts	1196 160	1209 225	1218 289	1219 349	1212 403
	450 CFM/ton	CFM Watts	1343 / 1463 200 / 272	1361 / 1374 275 / 300	1371 / 1279 348 / 320	1368 / 1175 413 / 331	1352 / 1061 469 / 334	450 CFM/ton	CFM Watts	1347 220	1363 295	1371 367	1366 430	1342 480
3.5 tons †	290 CFM/ton	CFM Watts	1020 / 1149 99 / 142	1028 / 1041 152 / 164	1034 / 919 206 / 178	1037 / 779 259 / 183	1034 / 609 308 / 182	290 CFM/ton	CFM Watts	1020 107	1028 160	1033 214	1173 327	1031 315
	370 † CFM/ton	CFM Watts	1287 / 1408 179 / 245	1304 / 1317 250 / 272	1314 / 1218 320 / 291	1315 / 1110 384 / 301	1304 / 981 441 / 303	350 CFM/ton	CFM Watts	1220 169	1234 236	1243 301	1244 362	1236 417
	400 CFM/ton	CFM Watts	1395 / 1514 221 / 299	1413 / 1427 300 / 328	1421 / 1334 374 / 348	1415 / 1233 440 / 361	1369 / 1124 480 / 364	400 † CFM/ton	CFM Watts	1440 244	1416 322	1421 395	1411 458	1355 475
	450 CFM/ton	CFM Watts	1584 / 1687 313 / 405	1593 / 1605 399 / 435	1576 / 1518 467 / 458	1474 / 1425 477 / 472	1350 / 1326 468 / 477	450 CFM/ton	CFM Watts	1589 347	1592 428	1545 474	1434 473	1315 463
4 tons	290 CFM/ton	CFM Watts	1156 / 1302 135 / 197	1169 / 1205 197 / 222	1178 / 1098 259 / 239	1181 / 981 319 / 248	1174 / 848 383 / 249	290 CFM/ton	CFM Watts	1157 147	1169 209	1177 271	1179 330	1174 383
	370 CFM/ton	CFM Watts	1487 / 1618 288 / 359	1500 / 1534 369 / 389	1496 / 1445 441 / 411	1445 / 1350 481 / 425	1319 / 1248 470 / 429	350 CFM/ton	CFM Watts	1400 244	1416 322	1421 395	1411 458	1335 475
	400 CFM/ton	CFM Watts	1616 / 1728 363 / 433	1614 / 1646 443 / 464	1543 / 1543 475 / 475	1423 / 1423 472 / 472	1301 / 1301 463 / 463	400 CFM/ton	CFM Watts	1615 363	1615 444	1545 474	1431 471	1313 462
	450 CFM/ton	CFM Watts	1711 / 1711 432 / 432	1621 / 1621 456 / 456	1514 / 1514 465 / 465	1393 / 1393 460 / 460	1273 / 1273 453 / 453	450 CFM/ton	CFM Watts	1716 430	1629 453	1528 462	1411 458	1297 452

- † 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

TAM9A0C42 Minimum Heating Airflow Settings							
MODEL NO.	BAYEAAC04BK1 BAYEAAC04LG1 BAYEAAC05BK1 BAYEAAC05LG1	BAYEAAC08BK1 BAYEAAC08LG1	BAYEAAC10BK1 BAYEAAC10LG1	BAYEAAC10LG3	BAYEABC15BK1	BAYEACB15LG3	BAYEABC20BK1
TAM9A0C42	978/1093	978/1380	1035/1380	920/1093	1035/1438	1150/1495	1380/1610
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE							

TAM9A0C48 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 tons	290 CFM/ton	CFM Watts	894 / 1018 69 / 91	900 / 897 114 / 114	896 / 767 157 / 130	886 / 622 195 / 137	871 / 445 229 / 136	290 CFM/ton	CFM Watts	893 72	900 118	893 159	883 197	864 230
	350 CFM/ton	CFM Watts	1067 /1180 106 / 132	1073 / 1078 158 / 160	1072 / 972 208 / 180	1065 / 859 252 / 192	1053 / 738 292 / 194	350 CFM/ton	CFM Watts	1068 112	1073 164	1070 213	1062 257	1049 295
	400 CFM/ton	CFM Watts	1205 /1314 145 / 176	1212 / 1222 203 / 206	1213 / 1128 259 / 229	1208 / 1029 309 / 244	1199 / 926 354 / 249	400 CFM/ton	CFM Watts	1207 154	1212 212	1212 266	1206 315	1196 359
	450 CFM/ton	CFM Watts	1343 / 1451 193 / 232	1352 / 1367 259 / 264	1355 / 1280 320 / 289	1353 / 1190 377 / 305	1346 / 1098 427 / 313	450 CFM/ton	CFM Watts	1344 206	1352 270	1354 331	1352 387	1344 436
3.5 tons	290 CFM/ton	CFM Watts	1034 / 1149 98 / 123	1041 / 1044 149 / 150	1038 / 934 197 / 170	1031 / 817 240 / 181	1018 / 690 279 / 182	290 CFM/ton	CFM Watts	1034 103	1040 154	1037 202	1028 244	1014 281
	350 CFM/ton	CFM Watts	1228 /1336 152 / 185	1235 / 1246 212 / 215	1236 / 1153 268 / 238	1232 / 1056 319 / 253	1224 / 955 365 / 259	350 CFM/ton	CFM Watts	1229 162	1235 221	1236 276	1230 326	1220 371
	400 CFM/ton	CFM Watts	1389 /1498 212 / 253	1399 / 1415 280 / 286	1403 / 1331 343 / 311	1401 / 1244 402 / 328	1395 / 1154 455 / 336	400 CFM/ton	CFM Watts	1392 226	1400 293	1403 356	1400 413	1394 465
	450 CFM/ton	CFM Watts	1558 /1669 290 / 343	1570 / 1592 367 / 377	1575 / 1514 439 / 404	1575 / 1434 505 / 422	1568 / 1351 563 / 432	450 CFM/ton	CFM Watts	1561 310	1572 386	1576 457	1574 521	1567 577
4 tons †	290 CFM/ton	CFM Watts	1168 /1298 133 / 170	1175 / 1205 191 / 200	1175 / 1109 244 / 223	1170 / 1010 293 / 237	1160 / 905 336 / 242	290 CFM/ton	CFM Watts	1168 141	1176 198	1174 251	1168 299	1157 341
	350 † CFM/ton	CFM Watts	1389 /1517 212 / 262	1399 / 1436 280 / 295	1403 / 1352 343 / 321	1401 / 1266 402 / 338	1395 / 1177 455 / 346	350 CFM/ton	CFM Watts	1392 226	1400 293	1403 356	1400 413	1394 465
	400 CFM/ton	CFM Watts	1583 /1714 303 / 370	1595 / 1639 382 / 546	1601 / 1562 455 / 431	1600 / 1483 521 / 450	1593 / 1401 580 / 459	400 † CFM/ton	CFM Watts	1586 325	1597 402	1601 474	1599 538	1591 595
	450 CFM/ton	CFM Watts	1790 /1918 429 / 511	1800 / 184 8515 / 546	1808 / 1775 594 / 573	1793 / 1701 663 / 592	1698 / 1625 660 / 601	450 CFM/ton	CFM Watts	1794 459	1801 544	1800 620	1766 665	1667 655
4.5 tons**	290 CFM/ton	CFM Watts	1301 /1429 177 / 222	1310 / 1344 241 / 253	1312 / 1256 300 / 278	1309 / 1165 355 / 294	1302 / 1071 404 / 302	290 CFM/ton	CFM Watts	1302 189	1310 252	1311 310	1309 355	1301 403
	350 CFM/ton	CFM Watts	1558 / 1688 290 / 354	1570 / 1613 367 / 389	1575 / 1535 439 / 415	1575 / 1455 505 / 434	1568 / 1373 563 / 444	350 CFM/ton	CFM Watts	1557 290	1570 367	1575 439	1575 505	1569 563
	400 CFM/ton	CFM Watts	1790 / 1918 429 / 511	1800 / 1848 515 / 546	1801 / 1775 594 / 573	1793 / 1701 663 / 592	1698 / 1625 660 / 601	400 CFM/ton	CFM Watts	1789 428	1799 515	1801 594	1794 663	1701 659
	450 CFM/ton	CFM Watts	2018 / 2018 605 / 605	1973 / 1973 656 / 656	1857 / 1857 645 / 645	1749 / 1749 637 / 637	1651 / 1651 631 / 631	450 CFM/ton	CFM Watts	2018 605	1975 656	1863 643	1757 634	1660 628

- † 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

TAM9A0C48 Minimum Heating Airflow Settings

MODEL NO.	BAYEAAC04BK1 BAYEAAC04LG1 BAYEAAC05BK1 BAYEAAC05LG1	BAYEAAC08BK1 BAYEAAC08LG1	BAYEAAC10BK1 BAYEAAC10LG1	BAYEAAC10LG3	BAYEABC15BK1	BAYEACB15LG3	BAYEABC20BK1	BAYEACC25BK1
TAM9A0C48	1063 / 1188	1063 / 1500	1125 / 1500	1000 / 1188	1125 / 1563	1250 / 1625	1500 / 1750	1625 / 1813
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE								

TAM9A0C60 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE

OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque) 0.1	0.3	0.5	0.7	0.9	HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE 0.1	0.3	0.5	0.7	0.9
3.5 tons	290 CFM/ton	CFM	1040 / 1151	1068 / 1056	1075 / 941	1066 / 799	1046 / 607	290 CFM/ton	CFM	1039	1065	1071	1063	1045
		Watts	94 / 119	151 / 148	203 / 168	247 / 175	283 / 165		Watts	95	151	203	247	283
	370 CFM/ton	CFM	1312 / 1343	1332 / 1264	1336 / 1174	1329 / 1068	1314 / 945	350 CFM/ton	CFM	1247	1266	1270	1263	1248
		Watts	171 / 178	236 / 210	296 / 235	349 / 250	392 / 251		Watts	150	213	270	321	363
	400 CFM/ton	CFM	1408 / 1496	1425 / 1426	1429 / 1346	1423 / 1256	1410 / 1154	400 CFM/ton	CFM	1407	1423	1426	1421	1409
		Watts	206 / 238	274 / 273	337 / 301	393 / 319	440 / 325		Watts	206	274	337	392	439
	450 CFM/ton	CFM	1565 / 1650	1579 / 1585	1584 / 1512	1580 / 1432	1569 / 1343	450 CFM/ton	CFM	1564	1578	1582	1578	1569
		Watts	274 / 312	348 / 348	416 / 378	477 / 398	529 / 407		Watts	274	348	416	476	529
4 tons	290 CFM/ton	CFM	1186 / 1304	1208 / 1223	1213 / 1128	1206 / 1018	1189 / 887	290 CFM/ton	CFM	1185	1206	1210	1203	1187
		Watts	131 / 164	192 / 196	248 / 220	297 / 234	337 / 233		Watts	131	192	248	297	337
	370 CFM/ton	CFM	1480 / 1514	1495 / 1444	1499 / 1365	1495 / 1277	1482 / 1177	350 CFM/ton	CFM	1407	1423	1426	1421	1409
		Watts	235 / 245	306 / 280	372 / 308	430 / 327	479 / 334		Watts	206	274	337	392	439
	400 CFM/ton	CFM	1587 / 1689	1602 / 1625	1606 / 1554	1602 / 1475	1592 / 1399	400 CFM/ton	CFM	1587	1600	1604	1601	1592
		Watts	285 / 332	360 / 369	429 / 399	490 / 420	543 / 430		Watts	285	360	428	490	543
	450 CFM/ton	CFM	1770 / 1873	1784 / 1813	1789 / 1747	1788 / 1675	1782 / 1597	450 CFM/ton	CFM	1770	1783	1788	1788	1782
		Watts	386 / 443	468 / 481	543 / 512	612 / 534	671 / 546		Watts	385	467	543	611	671
4.5 tons **†	290 CFM/ton	CFM	1322 / 1431	1340 / 1358	1345 / 1274	1338 / 1179	1323 / 1069	290 CFM/ton	CFM	1321	1338	1342	1336	1322
		Watts	174 / 211	240 / 245	300 / 271	353 / 288	397 / 292		Watts	174	240	300	352	396
	370 † CFM/ton	CFM	1646 / 1667	1660 / 1602	1665 / 1530	1662 / 1451	1653 / 1363	350 CFM/ton	CFM	1564	1578	1582	1578	1569
		Watts	315 / 320	392 / 357	463 / 386	527 / 407	582 / 417		Watts	274	348	416	476	529
	400 CFM/ton	CFM	1770 / 1873	1784 / 1813	1789 / 1747	1788 / 1675	1781 / 1597	400 † CFM/ton	CFM	1770	1783	1788	1788	1782
		Watts	386 / 443	468 / 481	543 / 512	612 / 534	671 / 546		Watts	385	467	543	611	671
	450 CFM/ton	CFM	1989 / 2099	2004 / 2042	2012 / 1980	2013 / 1913	2009 / 1842	450 CFM/ton	CFM	1989	2003	2011	2014	2011
		Watts	535 / 612	627 / 650	712 / 681	788 / 703	855 / 716		Watts	534	626	711	788	856
5 tons	290 CFM/ton	CFM	1452 / 1557	1469 / 1489	1473 / 1413	1468 / 1327	1455 / 1231	290 CFM/ton	CFM	1452	1467	1471	1466	1454
		Watts	224 / 265	294 / 301	358 / 329	415 / 348	463 / 356		Watts	224	294	358	415	463
	370 CFM/ton	CFM	1817 / 1826	1831 / 1765	1837 / 1698	1837 / 1624	1831 / 1544	350 CFM/ton	CFM	1723	1736	1741	1740	1734
		Watts	415 / 451	499 / 451	576 / 481	647 / 503	708 / 515		Watts	357	437	511	578	636
	400 CFM/ton	CFM	1964 / 2073	1978 / 2015	1986 / 1953	1987 / 1886	1983 / 1814	400 CFM/ton	CFM	1964	1978	1985	1988	1985
		Watts	516 / 590	607 / 629	690 / 660	766 / 682	832 / 695		Watts	515	606	690	766	833
	450 CFM/ton	CFM	2231 / 2347	2245 / 2292	2252 / 2233	2252 / 2171	2185 / 2104	450 CFM/ton	CFM	2232	2245	2252	2252	2186
		Watts	741 / 842	842 / 879	934 / 908	1015 / 930	1024 / 941		Watts	741	842	934	1016	1023

- † 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

TAM9A0C60 MINIMUM HEATING AIRFLOW CFM — HEATER MATRIX

MODEL NO.	BAYEAAC04BK1 BAYEAAC04LG1 BAYEAAC05BK1 BAYEAAC05LG1	BAYEAAC08BK1 BAYEAAC08LG1	BAYEAAC10BK1 BAYEAAC10LG1	BAYEAAC10LG3	BAYEABC15BK1	BAYEACB15LG3	BAYEABC20BK1	BAYEACC25BK1
TAM9A0C60	1063 / 1188	1063 / 1500	1125 / 1500	1000 / 1188	1125 / 1563	1250 / 1625	1500 / 1750	1625 / 1813
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE								

HEATER ATTRIBUTE DATA

Note: *Heater size must be set in Configuration Menu.*

TAM9A0A24V21DA											
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	-	-	3.5 **	4	15	-	-	3.5 **	4	15
BAYEAAC04++1	1	3.84	13100	16.0	24	25	2.88	9800	13.8	22	25
BAYEAAC05++1	1	4.80	16400	20.0	29	30	3.60	12300	17.3	26	30
BAYEAAC08++1	1	7.68	26200	32.0	44	45	5.76	19700	27.7	39	40
BAYEAAC10++1[(a)]	1	9.60	32800	40.0	54	60	7.20	24600	34.6	48	50
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	33	35	7.20	24600	20.0	29	30
Note: ** Motor Amps											

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

TAM9A0B30V31DA											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protec-tion	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maxi-mum Overload Protec-tion
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	3.5 **	4	15	-	-	3.5 **	4	15
BAYEAAC04++1	1	3.84	13100	16.0	24	25	2.88	9800	13.8	22	25
BAYEAAC05++1	1	4.80	16400	20.0	29	30	3.60	12300	17.3	26	30
BAYEAAC08++1	1	7.68	26200	32.0	44	45	5.76	19700	27.7	39	40
BAYEAAC10++1	1	9.60	32800	40.0	54	60	7.20	24600	34.6	48	50
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	33	35	7.20	24600	20.0	29	30
BAYEABC15LG3	1-3 PH	14.4-0	42000	34.6	47	50	10.80	36900	30.0	41	45
BAYEABC15BK1 - Circuit 1[(a)]	2	9.60	32800	40.0	54	60	7.20	24600	34.6	48	50
BAYEABC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
Note: ** Motor Amps											

(a) MCA and MOP for circuit 1 contains the motor amps

TRANE

HEATER ATTRIBUTE DATA

TAM9A0C36V31DA											
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	-	-	3.5 **	4	15	-	-	3.5 **	4	15
BAYEAAC04++1	1	3.84	13100	16.0	24	25	2.88	9800	13.8	22	25
BAYEAAC05++1	1	4.80	16400	20.0	29	30	3.60	12300	17.3	26	30
BAYEAAC08++1	1	7.68	26200	32.0	44	45	5.76	19700	27.7	39	40
BAYEAAC10++1	1	9.60	32800	40.0	54	60	7.20	24600	34.6	48	50
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	33	35	7.20	24600	20.0	29	30
BAYEABC15LG3	1-3 PH	14.40	42000	34.6	47	50	10.80	36900	30.0	41	45
BAYEABC15BK1 - Circuit 1 [a]	2	9.60	32800	40.0	54	60	7.20	24600	34.6	48	50
BAYEABC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEABC20BK1 - Circuit 1 [a]	2	9.60	32800	40.0	54	60	7.20	24600	34.6	48	50
BAYEABC20BK1 - Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
Note: ** Motor Amps											

[a] MCA and MOP for circuit 1 contains the motor amps

TAM9A0C42V41DA											
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	-	-	3.5 **	4	15	-	-	3.5 **	4	15
BAYEAAC04++1	1	3.84	13100	16.0	24	25	2.88	9800	13.8	22	25
BAYEAAC05++1	1	4.80	16400	20.0	29	30	3.60	12300	17.3	26	30
BAYEAAC08++1	1	7.68	26200	32.0	44	45	5.76	19700	27.7	39	40
BAYEAAC10++1	1	9.60	32800	40.0	54	60	7.20	24600	34.6	48	50
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	33	35	7.20	24600	20.0	29	30
BAYEABC15LG3	1-3 PH	14.40	42000	34.6	47	50	10.80	36900	30.0	41	45
BAYEABC15BK1 - Circuit 1 [a]	2	9.60	32800	40.0	54	60	7.20	24600	34.6	48	50
BAYEABC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEABC20BK1 - Circuit 1 [a]	2	9.60	32800	40.0	54	60	7.20	24600	34.6	48	50
BAYEABC20BK1 - Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
Note: ** Motor Amps											

[a] MCA and MOP for circuit 1 contains the motor amps

TAM9A0C48V41DA											
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	-	-	5.0 **	6	15	-	-	5.0 **	6	15
BAYEAAC04++1	1	3.84	13100	16.0	26	30	2.88	9800	13.8	26	30
BAYEAAC05++1	1	4.80	16400	20.0	31	35	3.60	12300	17.3	28	30
BAYEAAC08++1	1	7.68	26200	32.0	46	50	5.76	19700	27.7	41	45
BAYEAAC10++1	1	9.60	32800	40.0	56	60	7.20	24600	34.6	50	50
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	34	35	7.20	24600	20.0	31	35
BAYEABC15LG3	1-3 PH	14.40	42000	34.6	49	50	10.80	36900	30.0	43	45
BAYEABC15BK1 - Circuit 1 (a) BAYEABC15BK1 - Circuit 2	2	9.60	32800	40.0	56	60	7.20	24600	34.6	50	50
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEABC20BK1 - Circuit 1 (a) BAYEABC20BK1 - Circuit 2	2	9.60	32800	40.0	56	60	7.20	24600	34.6	50	50
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEACC25BK1 — Circuit 1 (a) BAYEACC25BK1 — Circuit 2 BAYEACC25BK1 — Circuit 3	3	9.60	32800	40.0	56	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											

(a) MCA and MOP for circuit 1 contains the motor amps

TAM9A0C60V51DA											
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	-	-	6.4 **	8	15	-	-	6.4 **	8	15
BAYEAAC04++1	1	3.84	13100	16.0	28	30	2.88	9800	13.8	25	25
BAYEAAC05++1	1	4.80	16400	20.0	33	35	3.60	12300	17.3	30	30
BAYEAAC08++1	1	7.68	26200	32.0	48	50	5.76	19700	27.7	43	45
BAYEAAC10++1	1	9.60	32800	40.0	58	60	7.20	24600	34.6	51	60
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	36	40	7.20	24600	20.0	32	35
BAYEABC15LG3	1-3 PH	14.40	42000	34.6	50	50	10.80	36900	30.0	45	45
BAYEABC15BK1 - Circuit 1 (a) BAYEABC15BK1 - Circuit 2	2	9.60	32800	40.0	58	60	7.20	24600	34.6	51	60
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEABC20BK1 - Circuit 1 (a) BAYEABC20BK1 - Circuit 2	2	9.60	32800	40.0	58	60	7.20	24600	34.6	51	60
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEACC25BK1 (b) - Circuit 1 (a) BAYEACC25BK1 - Circuit 2 BAYEACC25BK1 - Circuit 3	3	9.60	32800	40.0	57	60	7.20	24600	34.6	51	60
		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											

(a) MCA and MOP for circuit 1 contains the motor amps
(b) 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.*

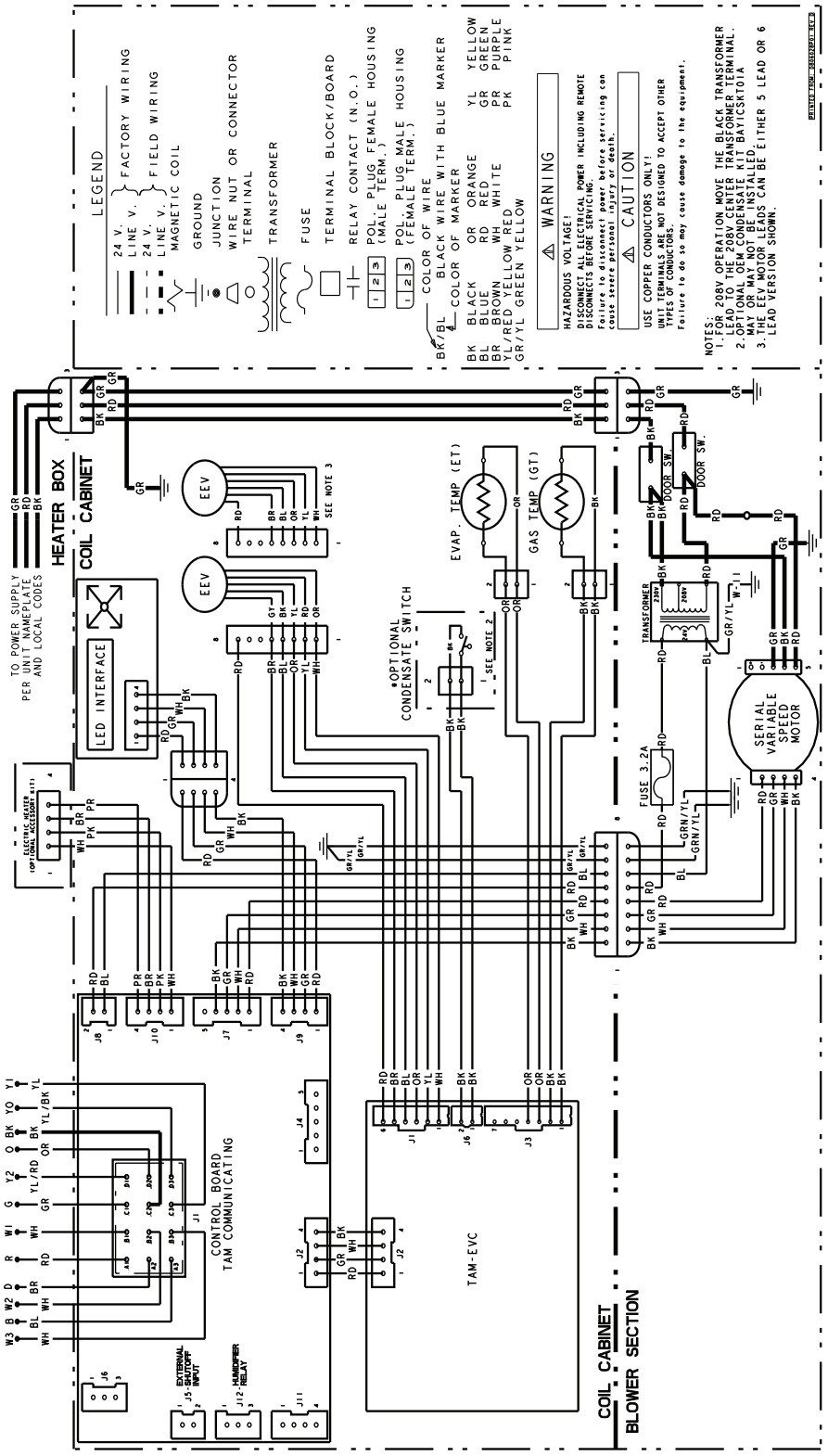
Note: *Heater model numbers may have additional suffix digits.*

TAM9 Air Handler and Heater Matrix Allowable Combinations

APPROVED AIR HANDLER — HEATER COMBINATIONS						
HEATER MODEL NUMBER BAYEA-	**AIR HANDLER MODEL NUMBER**					
	TAM9A0A24V21DA	TAM9A0B30V31DA	TAM9A0C36V31DA	TAM9A0C42V41DA	TAM9A0C48V41DA	TAM9AOC60V51DA
AC04BK1 3.84 Kw BK	Y	Y	Y	Y	Y	Y
AC04LG1 3.84 Kw BK	Y	Y	Y	Y	Y	Y
AC05BK1 4.80 Kw BK	Y	Y	Y	Y	Y	Y
AC05LG1 4.80 Kw LG	Y	Y	Y	Y	Y	Y
AC08BK1 7.68 Kw BK	Y	Y	Y	Y	Y	Y
AC08LG1 7.68 Kw LG	Y	Y	Y	Y	Y	Y
AC10BK1 9.60 Kw BK	Y [(a)]	Y	Y	Y	Y	Y
AC10LG1 9.60 Kw LG	Y [(a)]	Y	Y	Y	Y	Y
BC15BK1 14.40 Kw BK	—	Y	Y	Y	Y	Y
BC20BK1 19.20 Kw BK	—	—	Y	Y	Y	Y
CC25BK1 24.00 Kw BK	—	—	—	—	Y	y [(a)]
AC10LG3 9.60 Kw LG	Y	Y	Y	Y	Y	Y
BC15LG3 14.4 Kw LG	—	Y	Y	Y	Y	Y

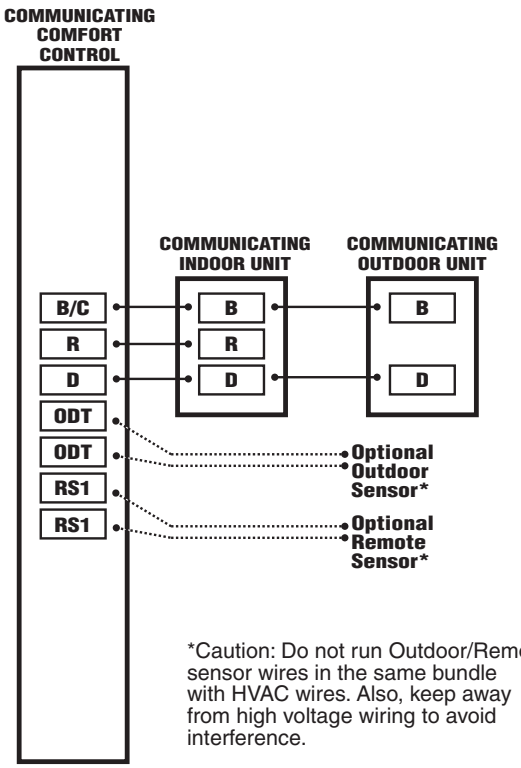
[(a)] Heater is not qualified for 208V when installed in horizontal left position without HP.

Wiring — D806028P01RevD for PD



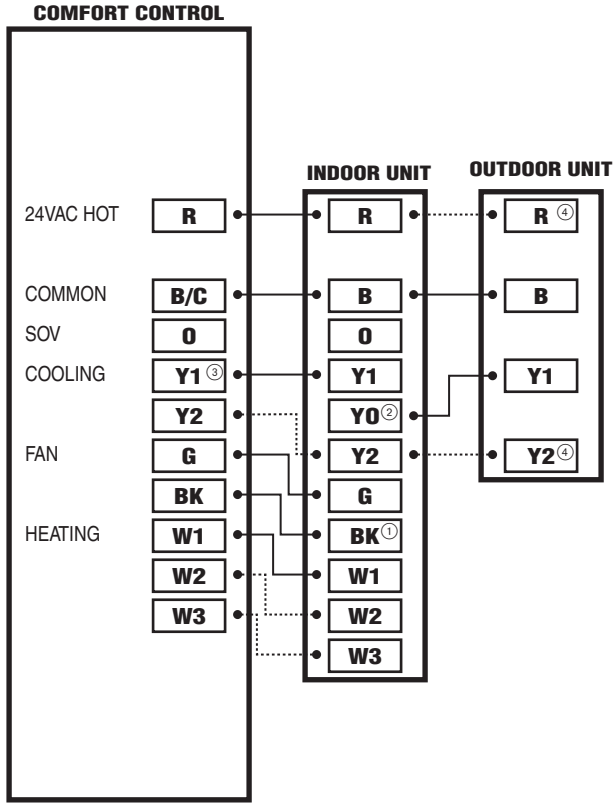
Field Wiring

Communicating Controls Wiring Diagram



*Caution: Do not run Outdoor/Remote sensor wires in the same bundle with HVAC wires. Also, keep away from high voltage wiring to avoid interference.

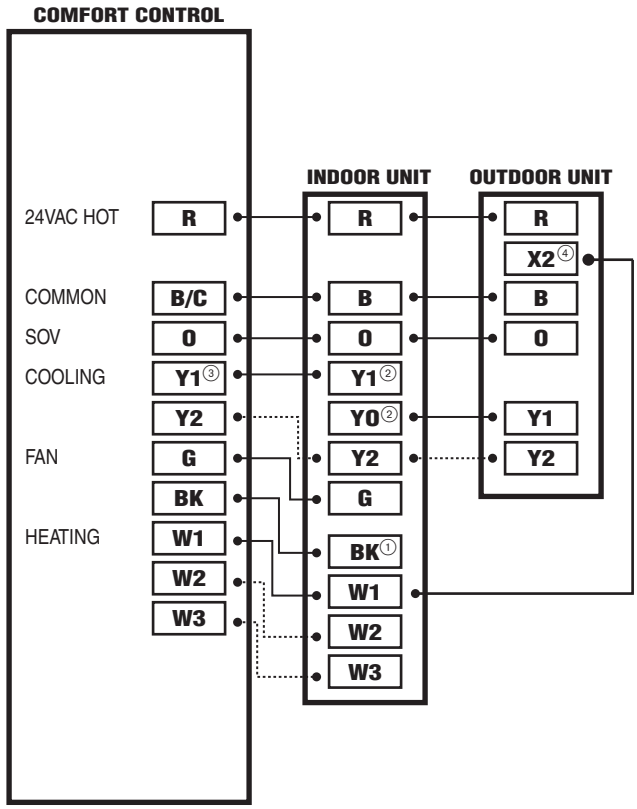
1 OR 2 STAGE COOLING WITH TAM9/TAMG VARIABLE SPEED AIR HANDLER



NOTES:

1. Cut the BK jumper on the AFC when using the BK fuctionality from the thermostat.
2. Y1 and YO connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to function properly.
3. 3rd party condensate switches should break the Y1 circuit between the thermostat and AFC.
4. Y2 connections at outdoor unit are required only for two stage units.

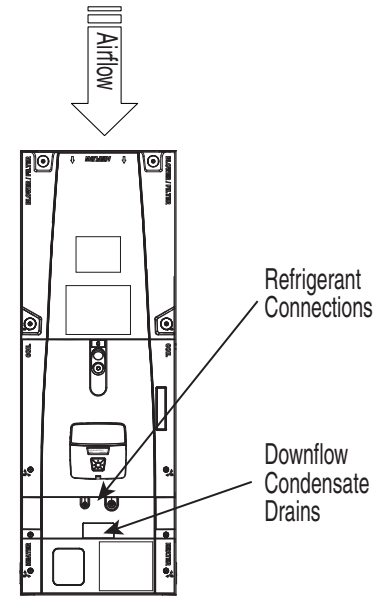
1 OR 2 STAGE HEAT PUMP WITH TAM9/TAMG VARIABLE SPEED AIR HANDLER



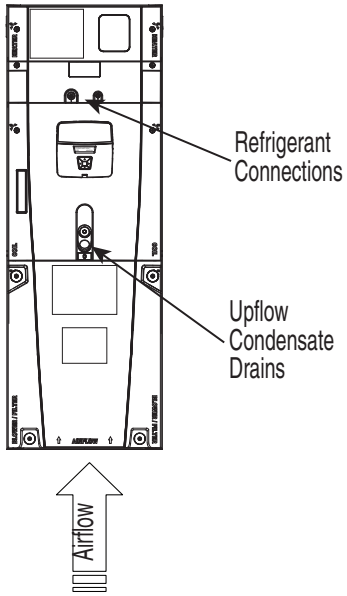
NOTES:

1. Cut the BK jumper on the AFC when using the BK fuctionality from the thermostat.
2. Y1 and YO connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to function properly.
3. 3rd party condensate switches should break the Y1 circuit between the thermostat and AFC.
4. Connection to X2 is not required when using the 402, 624, 824, or relay panel controls.

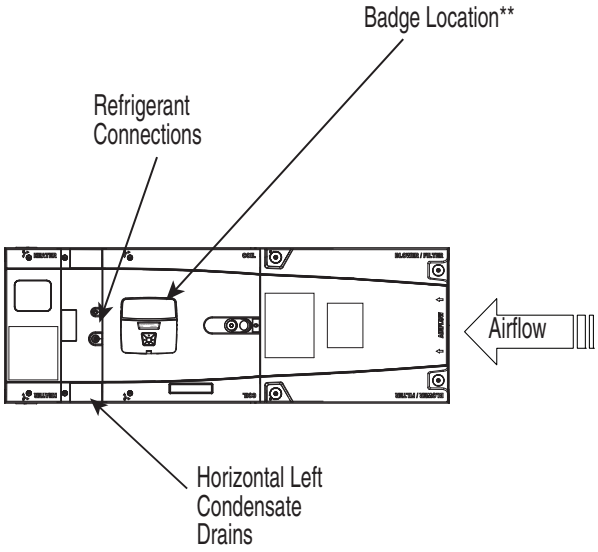
Multi-position Air Handler



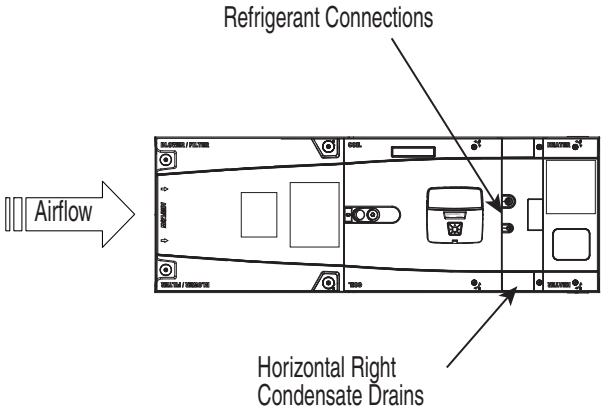
Vertical Downflow*
(as shipped)



Vertical Upflow*



Horizontal Left*



Horizontal Right*

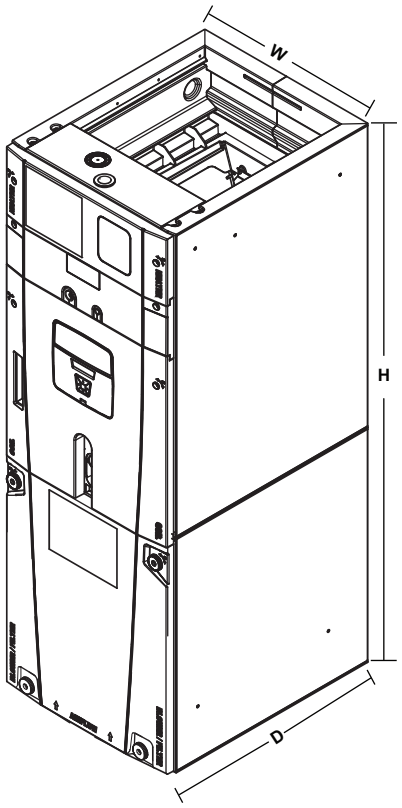
Note: ** No internal modifications required for any position.*
*** CDA rotation will keep brand in correct position.*

Unit Location Considerations

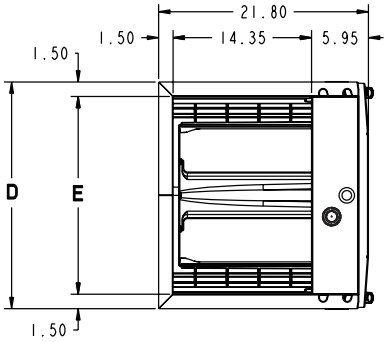
Table 1. Unit Dimensions and Weight

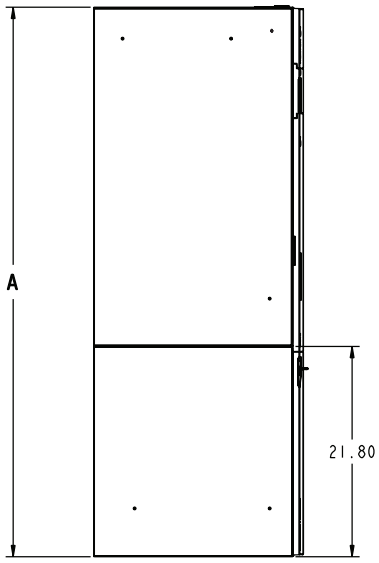
MODEL NUMBER	H x W x D (inches)	Coil and Heater Compartment Height * (inches)	Unit Net Weight (pounds)
TAM9A0A24V21DA	49.9 x 17.5 x 21.8	28.1	120
TAM9A0B30V31DA	55.7 x 21.3 x 21.8	33.9	133
TAM9A0C36V31DA	56.9 x 23.5 x 21.8	35.1	143
TAM9A0C42V41DA	56.9 x 23.5 x 21.8	35.1	158
TAM9A0C48V41DA	61.7 x 23.5 x 21.8	39.9	174
TAM9A0C60V51DA	61.7 x 23.5 x 21.8	39.9	178

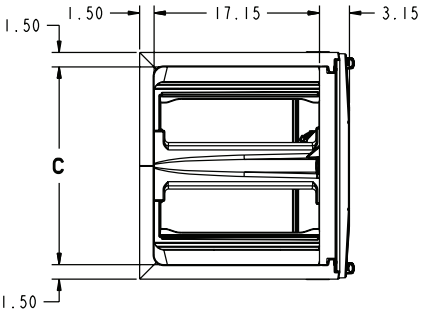
* Blower compartment height is 21.8 inches.

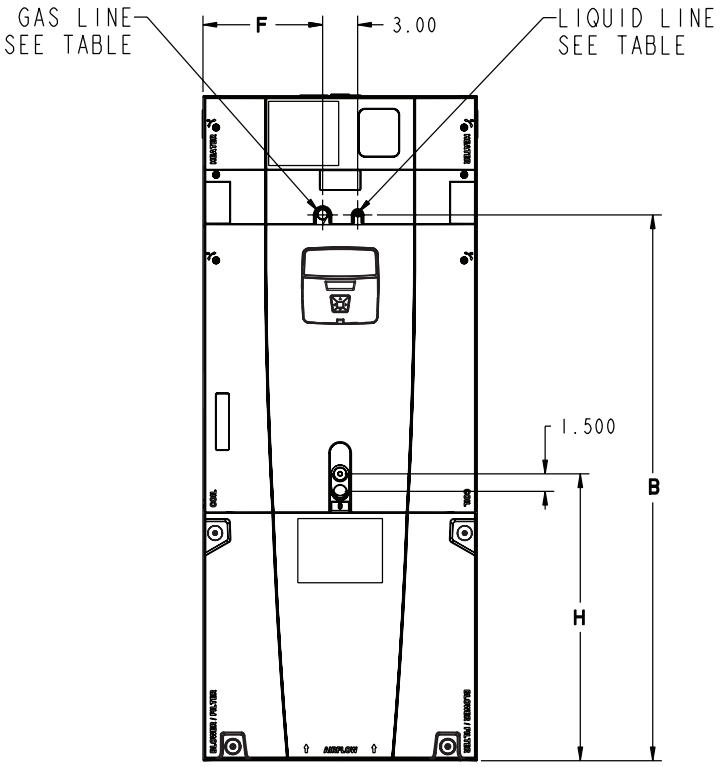


TAM9 OUTLINE DRAWING









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

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

Model Number	A	B	C	D	E	F	H	FLOW CONTROL	GAS LINE BRAZE	LIQ LINE BRAZE
TAM9A0A24H21DA	49.9	39.6	14.5	17.5	14.5	7.3	24.4	EEV	3/4	3/8
TAM9A0B30H31DA	55.7	45.5	18.4	21.3	18.4	9.2	24.8	EEV	3/4	3/8
TAM9A0C36H31DA	56.9	46.7	20.5	23.5	20.5	10.3	24.2	EEV	7/8	3/8
TAM9A0C42H41DA	56.9	46.7	20.5	23.5	20.5	10.3	24.5	EEV	7/8	3/8
TAM9A0C48H41DA	61.7	51.5	20.5	23.5	20.5	10.3	24.9	EEV	7/8	3/8
TAM9A0C60H51DA	61.7	51.5	20.5	23.5	20.5	10.3	24.9	EEV	7/8	3/8

SUBCOOLING ADJUSTMENT

System Matched with:	Indoor Unit Model No.	Outdoor Unit Model No.	Subcooling
Single Compressor 2–Stage HP	TAM9A0B30V21DA	4A6H6024E/G, 4TWX6024E/G 4A6H7024, 4TWX8024	9 °
	TAM9A0B36V31DAA	4A6H6036E/G, 4TWX6036E/G 4A6H7036, 4TWX8036	10°
	TAM9A0C48V41DA	4A6H6048E/G, 4TWX6048E/G 4A6H7048, 4TWX8048	8 °
Single Compressor 2–Stage AC	TAM9A0B30V21DA	4A7A6024E/G, 4TTX6024E/G 4A7A7024, 4TTX8024	8 °
	TAM9A0C36V31DA	4A7A6036E/G, 4TTX6036E/G 4A7A7036, 4TTX8036	8 °
	TAM9A0C48V41DA	4A7A6048E/G, 4TTX6048E/G 4A7A7048, 4TTX8048	8 °
Two Compressor 2–Stage HP	TAM9A0B30V21DA	4A6Z0024A, 4TWZ0024A,	9 °
	TAM9A0C36V31DA	4A6Z0036A/B, 4TWZ0036A/B	10 °
	TAM9A0C48V41DA	4A6Z0048A/B 4TWZ0048A/B	12 °
	TAM9A0C60V51DA	4A6Z0060A, 4TWZ0060A	12 °
Two Compressor 2–Stage HP	TAM9A0B30V21DA	4A7Z0024A, 4TTZ0024A	9 °
	TAM9A0C36V31DA	4A7Z0036A/B, 4TTZ0036A/B	11 °
	TAM9A0C48V41DA	4A7Z0048A/B, 4TTZ0048A/B	12 °

Notes:

1. *Variable Speed Outdoor units must be charged per the outdoor unit instructions.*
2. *All other matches must be charged per the nameplate charging instructions.*

Notes

Trane - by Trane Technologies (NYSE: TT), a global innovator - creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane. com or tranetechnologies.com.

Trane has a policy of continuous data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

22-1935-1D-EN 08 Apr 2020
Supersedes 22-1935-1C-EN (February 2018)