

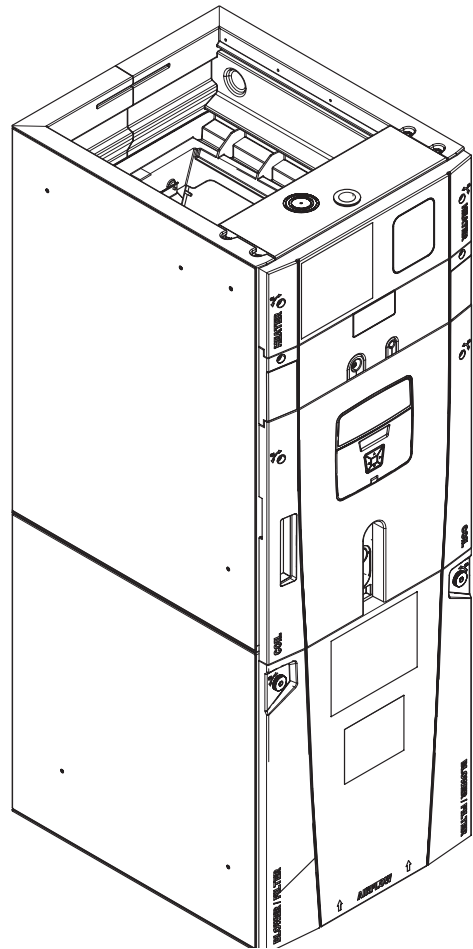


**TRANE®**

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

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**TAM8A0A24V21CC**  
**TAM8A0B30V21CC**  
**TAM8A0C36V31CC**  
**TAM8A0C42V31CC**  
**TAM8A0C48V41CC**  
**TAM8B0C60V51CB**



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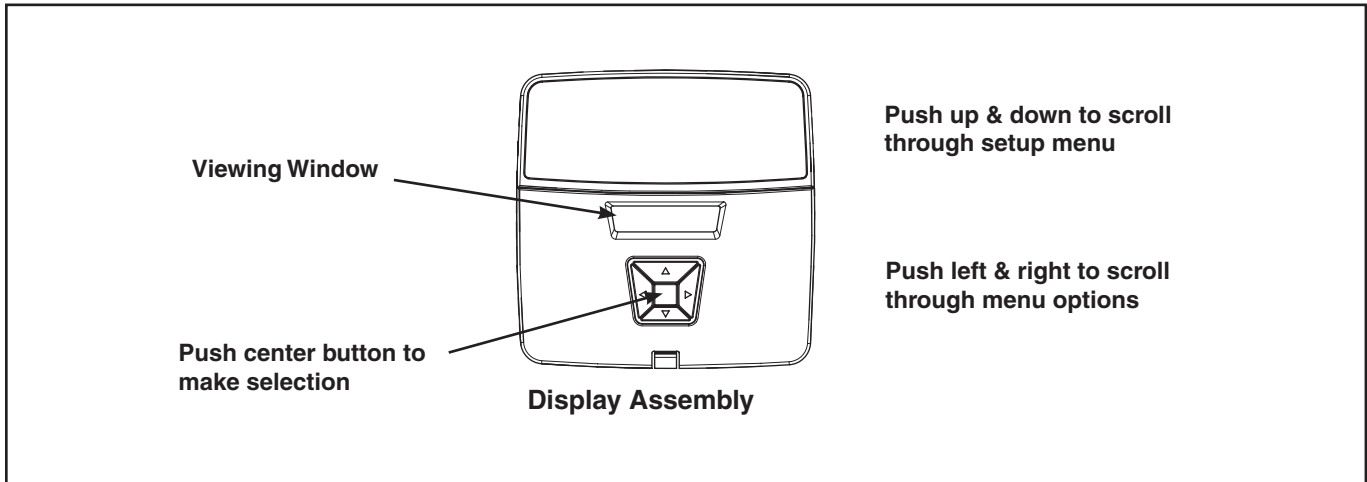
**PUB. NO. 22-1856-05**



**TRANE®**

# 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
- 3 Wire communication
- Display Assembly with enhanced diagnostic information and setup capability
- Side return option (sold as accessory)
- Control board protection pocket built into cabinet wall
- Premarked 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**





# Contents

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<b>Features and Benefits</b>	<b>2</b>
Optional Equipment	<b>4</b>
<b>Unique Cabinet Design Features and Benefits</b>	<b>5</b>
<b>General Data</b>	<b>6</b>
TAM8A0A24V21CC	<b>6</b>
TAM8A0B30V21CC	<b>6</b>
TAM8A0C36V31CC	<b>6</b>
TAM8A0C42V31CC	<b>6</b>
TAM8A0C48V41CC	<b>6</b>
TAM8B0C60V51CB	<b>6</b>
<b>Performance Data</b>	<b>7</b>
<b>Electrical Data</b>	<b>13</b>
<b>Field Wiring</b>	<b>19</b>
<b>Convertibility</b>	<b>20</b>
<b>Dimensions</b>	<b>21</b>



# Optional Equipment

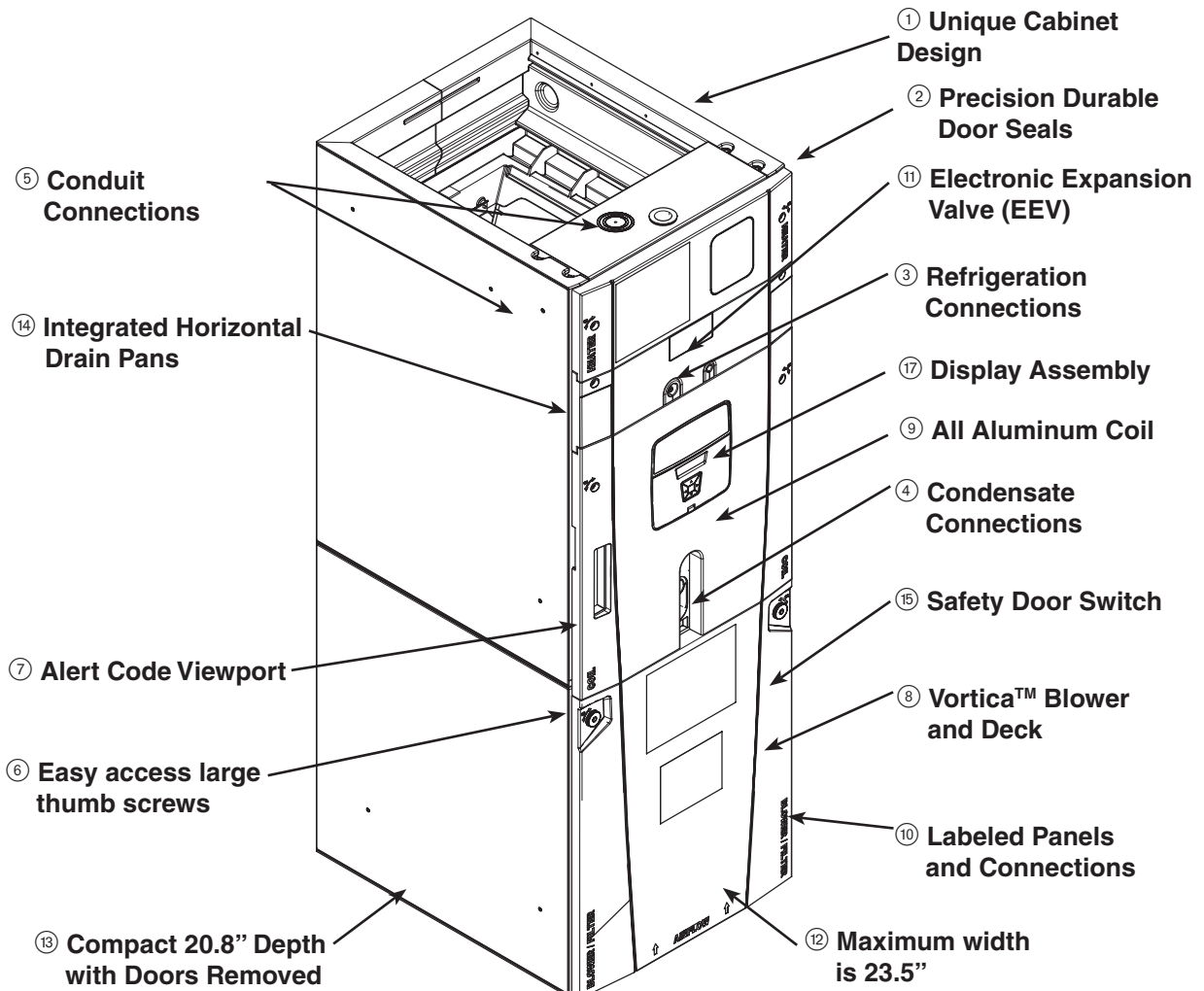
## OPTIONAL EQUIPMENT FOR AIR HANDLERS

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
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
MITISRKIT1620	Side Return Kit with Filter	A to C
BAYICKIT01A	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 Point 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
BAYWVBRD485	RS-485 Control for BAYWACC11SC1AA	C to C
BAYCC24VK01A	Outdoor unit Comm to 24 VAC kit	A to C

\* The A/TCONT900 thermostat cannot be used with a Hydronic Coil



# Unique Cabinet Design Features and Benefits



## ① Unique Cabinet Design

- 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 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 Modular Cabinet

## ⑰ Display Assembly

- Display Assembly with enhanced diagnostic information and setup capability
- Status Mode scrolling on Display Assembly



**TRANE®**

# General Data

## PRODUCT SPECIFICATIONS

MODEL	TAM8A0A24V21CC	TAM8A0B30V21CC	TAM8A0C36V31CC
<b>RATED VOLTS/PH/HZ.</b>	200-230/1/60	200-230/1/60	200-230/1/60
<b>RATINGS</b> ①	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.) ②	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 R.P.M.	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 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
<b>WEIGHT</b>			
Shipping (Lbs.)/Net (Lbs.)	126/116	150/138	157/146

## PRODUCT SPECIFICATIONS

MODEL	TAM8A0C42V31CC	TAM8A0C48V41CC	TAM8B0C60V51CB
<b>RATED VOLTS/PH/HZ.</b>	200-230/1/60	200-230/1/60	200-230/1/60
<b>RATINGS</b> ①	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 (in.)	3/8	3/8	3/8
Refrigerant Control	EEV	EEV	EEV
Drain Conn. Size (in.) ②	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 R.P.M.	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.)	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
<b>WEIGHT</b>			
Shipping (Lbs.)/Net (Lbs.)	162/150	174/162	175/163

① These Air Handlers are AHRI certified with various Split System Air Conditioners and Heat Pumps (AHRI STANDARD 210/240). Refer to the Split System Outdoor Unit Product Data Guides for performance data.

② 3/4" Male Plastic Pipe (Ref.: ASTM 1785-76)

**TAM8A0A24 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
1.5 tons	290 CFM/ton	CFM 419 / 554 Watts 22 / 40	431 / 412 50 / 48	408 / NA 77 / NA	339 / NA 102 / NA	279 / NA 133 / NA	290 CFM/ton	CFM 416 Watts 52	425 49	400 76	329 101	0.7 0.9
	350 CFM/ton	CFM 534 / 638 Watts 37 / 56	555 / 541 70 / 67	548 / 373 102 / 73	514 / NA 131 / NA	439 / NA 154 / NA	350 CFM/ton	CFM 532 Watts 37	550 69	542 101	507 129	0.7 0.9
	400 CFM/ton	CFM 617 / 705 Watts 52 / 71	639 / 626 88 / 85	636 / 513 123 / 96	612 / 325 155 / 101	559 / NA 181 / NA	430 CFM/ton	CFM 660 Watts 62	680 99	679 136	658 169	0.7 0.9
	450 CFM/ton	CFM 692 / 770 Watts 69 / 89	714 / 703 108 / 105	714 / 613 146 / 119	694 / 494 181 / 128	653 / NA 209 / NA	450 CFM/ton	CFM 690 Watts 69	710 108	709 145	690 180	0.7 0.9
	290 CFM/ton	CFM 595 / 688 Watts 48 / 67	617 / 605 83 / 80	614 / 481 117 / 90	588 / 241 149 / 95	531 / NA 174 / NA	290 CFM/ton	CFM 593 Watts 48	613 82	608 116	582 147	0.7 0.9
	350 CFM/ton	CFM 716 / 792 Watts 75 / 96	737 / 727 115 / 112	738 / 643 154 / 127	720 / 534 190 / 137	681 / 383 219 / 145	350 CFM/ton	CFM 714 Watts 75	734 115	734 153	716 189	0.7 0.9
2 tons †	400 † CFM/ton	CFM 809 / 877 Watts 103 / 125	829 / 821 147 / 144	832 / 751 190 / 161	818 / 666 228 / 174	787 / 561 261 / 183	430 † CFM/ton	CFM 862 Watts 122	881 168	884 213	874 254	0.7 0.9
	450 CFM/ton	CFM 900 / 964 Watts 136 / 161	920 / 913 185 / 182	924 / 852 231 / 200	913 / 777 274 / 214	888 / 689 310 / 225	450 CFM/ton	CFM 899 Watts 136	917 184	921 231	912 273	0.7 0.9
	290 CFM/ton	CFM 740 / 829 Watts 81 / 108	761 / 769 123 / 125	762 / 692 163 / 141	745 / 596 199 / 153	709 / 473 229 / 162	290 CFM/ton	CFM 738 Watts 81	757 122	758 162	742 198	0.7 0.9
	350 CFM/ton	CFM 878 / 957 Watts 127 / 158	897 / 907 175 / 178	901 / 845 220 / 196	890 / 770 262 / 211	863 / 680 297 / 221	350 CFM/ton	CFM 876 Watts 127	895 174	898 220	888 261	0.7 0.9
	400 CFM/ton	CFM 993 / 1070 Watts 178 / 215	1012 / 1023 231 / 236	1017 / 967 281 / 255	1009 / 901 327 / 270	989 / 821 367 / 280	430 CFM/ton	CFM 1064 Watts 215	1083 272	1089 326	1084 375	0.7 0.9
	450 CFM/ton	CFM 1115 / 1193 Watts 244 / 290	1133 / 1148 304 / 312	1139 / 1095 359 / 330	1132 / 1034 409 / 345	1113 / 961 451 / 354	450 CFM/ton	CFM 1115 Watts 244	1133 304	1139 360	1133 410	0.7 0.9
3 tons	290 CFM/ton	CFM 873 / 953 Watts 125 / 156	893 / 902 173 / 176	896 / 840 218 / 194	885 / 764 259 / 209	858 / 674 295 / 219	290 CFM/ton	CFM 871 Watts 125	890 172	894 217	883 259	0.7 0.9
	350 CFM/ton	CFM 1041 / 1118 Watts 202 / 242	1059 / 1072 257 / 264	1065 / 1018 310 / 282	1058 / 953 358 / 297	1039 / 877 399 / 307	350 CFM/ton	CFM 1040 Watts 202	1058 257	1064 310	1059 358	0.7 0.9
	400 CFM/ton	CFM 1194 / 1271 Watts 295 / 347	1210 / 1227 358 / 368	1214 / 1175 415 / 386	1205 / 1115 465 / 399	1154 / 1046 485 / 408	430 CFM/ton	CFM 1291 Watts 368	1302 432	1300 487	1220 478	0.7 0.9
	450 CFM/ton	CFM 1355 / 1421 Watts 422 / 476	1360 / 1373 483 / 491	1284 / 1284 476 / 476	1203 / 1203 469 / 469	1120 / 1120 464 / 464	450 CFM/ton	CFM 1355 Watts 422	1360 483	1286 476	1208 468	0.7 0.9

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

**TAM8A0A24 Minimum Heating Airflow Settings**

MODEL NO.	MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX			
	BAYEAC08BK1AA 638/713	BAYEAC10BK1AA 675 @ /900	BAYEAC10LG3AA 600/713	BAYEVC15BK1AA ---
TAM8A0A24V2CC	BAYEAC08BK1AA 638/900	BAYEAC10BK1AA 675 @ /900	BAYEVC10LG3AA 600/713	BAYEVC15BK1AA ---

WITHOUT HEAT PUMP / WITH HP  
 SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS  
 † Heater not qualified for 208V when installed in horizontal left position without Heat Pump  
**NOTE: Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.**



**TAM8A0B30 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
			290 CFM/ton	490 / 587 21 / 30	438 / 406 44 / 42	388 / NA 69 / NA	338 / NA 97 / NA			279 / NA 130 / NA	290 CFM/ton	CFM Watts	485 21	437 44
350 CFM/ton	578 / 672 29 / 39	546 / 523 56 / 54	515 / 270 85 / 60	484 / NA 115 / NA	449 / NA 146 / NA	350 CFM/ton	CFM Watts	574 29	545 56	517 85	489 115	458 146		
400 CFM/ton	646 / 738 37 / 48	626 / 607 67 / 65	605 / 413 99 / 72	582 / NA 132 / NA	554 / NA 164 / NA	430 CFM/ton	CFM Watts	683 42	669 75	653 108	636 143	614 177		
450 CFM/ton	712 / 803 45 / 59	700 / 683 80 / 77	686 / 520 115 / 86	669 / 231 151 / 91	647 / NA 186 / NA	450 CFM/ton	CFM Watts	709 45	698 80	685 115	669 151	649 186		
290 CFM/ton	628 / 721 35 / 46	605 / 585 64 / 62	582 / 380 95 / 69	557 / NA 127 / NA	528 / NA 159 / NA	290 CFM/ton	CFM Watts	625 35	604 64	582 95	560 127	533 160		
350 CFM/ton	734 / 824 49 / 62	724 / 708 84 / 81	712 / 552 121 / 91	696 / 299 157 / 94	676 / NA 193 / NA	350 CFM/ton	CFM Watts	731 49	722 84	710 120	696 157	678 193		
400 † CFM/ton	819 / 908 63 / 79	818 / 803 103 / 100	812 / 668 145 / 112	803 / 463 186 / 115	788 / NA 226 / NA	430 † CFM/ton	CFM Watts	868 73	871 116	869 161	864 205	853 248		
450 CFM/ton	904 / 993 80 / 99	910 / 896 126 / 122	911 / 775 173 / 136	907 / 621 219 / 141	895 / 394 264 / 138	450 CFM/ton	CFM Watts	902 80	908 126	908 172	905 219	895 263		
290 CFM/ton	755 / 870 52 / 71	748 / 760 89 / 91	737 / 617 126 / 102	723 / 409 164 / 105	704 / NA 201 / NA	290 CFM/ton	CFM Watts	753 52	746 88	736 126	723 164	706 201		
350 CFM/ton	883 / 996 75 / 100	887 / 899 120 / 123	886 / 778 165 / 137	881 / 625 211 / 142	869 / 401 254 / 139	350 CFM/ton	CFM Watts	881 75	884 120	884 165	879 210	869 254		
400 CFM/ton	991 / 1107 101 / 131	1004 / 1016 153 / 156	1010 / 908 206 / 173	1010 / 777 258 / 180	1001 / 609 307 / 177	430 CFM/ton	CFM Watts	1057 119	1074 176	1084 234	1087 290	1078 342		
450 CFM/ton	1106 / 1226 133 / 172	1126 / 1141 194 / 199	1139 / 1041 256 / 218	1141 / 925 314 / 227	1128 / 784 366 / 226	450 CFM/ton	CFM Watts	1104 133	1125 194	1136 255	1139 314	1128 366		
290 CFM/ton	879 / 992 74 / 99	882 / 894 119 / 121	881 / 773 164 / 136	875 / 619 209 / 140	863 / 391 252 / 138	290 CFM/ton	CFM Watts	877 74	880 118	879 164	874 208	863 252		
350 CFM/ton	1036 / 1153 113 / 146	1052 / 1065 168 / 172	1061 / 960 224 / 189	1063 / 836 279 / 197	1053 / 681 330 / 195	350 CFM/ton	CFM Watts	1034 112	1049 168	1058 224	1061 279	1053 330		
400 CFM/ton	1179 / 1304 158 / 203	1202 / 1221 224 / 231	1217 / 1126 291 / 251	1217 / 1016 352 / 261	1196 / 886 403 / 261	430 CFM/ton	CFM Watts	1271 193	1298 267	1309 337	1300 398	1271 446		
450 CFM/ton	1338 / 1471 222 / 282	1365 / 1391 300 / 311	1369 / 1302 370 / 333	1350 / 1201 427 / 345	1311 / 1086 471 / 347	450 CFM/ton	CFM Watts	1338 221	1363 299	1368 369	1350 427	1314 472		

NOTES:

- † 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

**TAM8A0B30 Minimum Heating Airflow Settings**

MODEL NO.	MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX			
	BAYEVAC08BK1AA BAYEVAC05LG1AA 723/908	BAYEVAC10BK1AA BAYEVAC10LG1AA 765/1020	BAYEVAC10LG3AA 680/908 765/1063	BAYEVBC16BK1AA 860/1105
TAM8A0B-30V21CC	BAYEVAC08BK1AA BAYEVAC05LG1AA 723/908	BAYEVAC10BK1AA BAYEVAC10LG1AA 765/1020	BAYEVAC10LG3AA 680/908 765/1063	BAYEVBC20BK1AA -

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.



**TAM8A0C36 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	610 / 758 30 / 47	573 / 573 57 / 58	556 / 321 86 / 62	553 / NA 119 / NA	556 / NA 153 / NA	290 CFM/ton	CFM Watts	607 31	574 58	557 87	551 119	551 153
	370 CFM/ton	CFM Watts	759 / 858 47 / 63	744 / 706 81 / 77	739 / 530 118 / 85	740 / 297 156 / 90	741 / NA 195 / NA	350 CFM/ton	CFM Watts	721 44	705 77	697 111	695 14	695 185
	400 CFM/ton	CFM Watts	812 / 974 54 / 85	803 / 846 92 / 103	802 / 707 132 / 115	803 / 554 172 / 122	805 / 374 213 / 128	420 CFM/ton	CFM Watts	847 62	843 102	843 144	844 186	845 277
	450 CFM/ton	CFM Watts	900 / 1024 69 / 96	899 / 903 112 / 116	902 / 774 156 / 129	906 / 636 201 / 137	909 / 485 245 / 142	450 CFM/ton	CFM Watts	900 72	900 115	903 159	906 204	908 248
	290 CFM/ton	CFM Watts	746 / 903 45 / 71	729 / 761 79 / 86	723 / 602 115 / 96	723 / 413 153 / 101	725 / 30 191 / 156	290 CFM/ton	CFM Watts	744 47	730 81	724 117	722 154	723 192
2.5 tons	370 CFM/ton	CFM Watts	922 / 1026 73 / 97	923 / 905 117 / 116	927 / 776 163 / 130	931 / 639 209 / 138	935 / 488 254 / 143	350 CFM/ton	CFM Watts	878 68	876 110	878 153	880 196	882 239
	400 CFM/ton	CFM Watts	988 / 1175 86 / 137	944 / 1070 134 / 160	1001 / 961 184 / 177	1008 / 848 234 / 189	1011 / 731 282 / 196	420 CFM/ton	CFM Watts	1033 101	1046 152	1052 205	1060 257	1062 307
	450 CFM/ton	CFM Watts	1100 / 1243 112 / 159	1114 / 1143 168 / 183	1127 / 1040 225 / 202	1136 / 933 281 / 215	1138 / 823 334 / 222	450 CFM/ton	CFM Watts	1102 119	1116 175	1128 232	1137 288	1138 340
	290 CFM/ton	CFM Watts	874 / 1022 64 / 96	871 / 900 105 / 115	872 / 771 148 / 128	876 / 632 192 / 136	879 / 480 235 / 141	290 CFM/ton	CFM Watts	873 67	871 108	873 151	875 195	877 238
3 tons †	370 † CFM/ton	CFM Watts	1087 / 1175 109 / 137	1099 / 1070 163 / 160	1112 / 961 220 / 177	1120 / 848 275 / 189	1123 / 731 328 / 196	350 CFM/ton	CFM Watts	1033 101	1043 152	1052 205	1060 257	1062 307
	400 CFM/ton	CFM Watts	1170 / 1373 132 / 207	1188 / 1280 192 / 233	1202 / 1185 253 / 254	1212 / 1086 313 / 269	1213 / 984 369 / 278	420 † CFM/ton	CFM Watts	1231 158	1253 224	1270 289	1277 351	1270 405
	450 CFM/ton	CFM Watts	1322 / 1465 181 / 247	1344 / 1377 251 / 275	1360 / 1284 321 / 296	1364 / 1189 386 / 312	1352 / 1091 441 / 321	450 CFM/ton	CFM Watts	1324 192	1349 264	1365 334	1365 397	1348 448
	290 CFM/ton	CFM Watts	1006 / 1144 90 / 128	1009 / 1037 138 / 150	1016 / 925 193 / 167	1024 / 808 244 / 178	1028 / 687 293 / 184	290 CFM/ton	CFM Watts	1002 93	1005 141	1017 197	1024 248	1026 292
	370 CFM/ton	CFM Watts	1266 / 1338 170 / 193	1290 / 1244 238 / 219	1306 / 1146 306 / 239	1311 / 1046 369 / 254	1301 / 942 422 / 262	350 CFM/ton	CFM Watts	1199 148	1215 209	1230 272	1236 333	1236 388
3.5 tons	400 CFM/ton	CFM Watts	1378 / 1591 213 / 310	1404 / 1505 289 / 338	1416 / 1416 360 / 361	1410 / 1324 422 / 377	1386 / 1228 471 / 386	420 CFM/ton	CFM Watts	1452 246	1480 327	1484 395	1468 456	1394 476
	450 CFM/ton	CFM Watts	1575 / 1691 307 / 367	1585 / 1607 385 / 396	1572 / 1519 451 / 419	1499 / 1429 477 / 434	1379 / 1334 470 / 443	450 CFM/ton	CFM Watts	1573 306	1584 385	1573 451	1505 476	1383 469

**NOTES:**

- † 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

**TAM8A0C36 Minimum Heating Airflow Settings**

MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX					
BAYEVAC05BK1AA	BAYEVAC08BK1AA	BAYEVAC10BK1AA	BAYEVAC10LG3AA	BAYEVAC15LG3AA	BAYEVBC20BK1AA
BAYEVAC05LG1AA	BAYEVAC08LG1AA	BAYEVAC10LG1AA	BAYEVAC10LG3AA	BAYEVBC15BK1AA	BAYEVBC20BK1AA
876/1236	927/1236	823/975	823/975	927/1288	1236/1442
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.

**TAM8A0C42 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
			CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton			CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton
2.5 tons	290	CFM Watts	747 / 905	743 / 764	742 / 591	741 / 342	739 / NA	290	CFM Watts	744	741	740	738	734
	370	CFM Watts	937 / 1072	942 / 956	946 / 823	947 / 655	944 / 458	350	CFM Watts	889	892	894	894	890
	400	CFM Watts	80 / 118	129 / 139	179 / 151	227 / 155	273 / 155	400	CFM Watts	76	123	169	215	259
	400	CFM Watts	1006 / 1136	1014 / 1027	1020 / 903	1022 / 760	1019 / 586	400	CFM Watts	1006	1016	1018	1019	1016
	450	CFM Watts	95 / 138	148 / 159	201 / 173	253 / 178	302 / 177	450	CFM Watts	103	156	209	160	308
3 tons	290	CFM Watts	1122 / 1247	1135 / 1146	1143 / 1035	1146 / 911	1142 / 768	450	CFM Watts	1124	1135	1142	1144	1140
	370	CFM Watts	125 / 176	185 / 200	245 / 216	303 / 224	357 / 223	350	CFM Watts	136	196	256	313	366
	400	CFM Watts	885 / 1026	889 / 904	891 / 763	892 / 590	889 / 341	290	CFM Watts	884	887	889	889	885
	450	CFM Watts	70 / 106	116 / 125	163 / 136	209 / 139	254 / 143	350	CFM Watts	75	121	168	214	257
	450	CFM Watts	1108 / 1233	1120 / 1132	1128 / 1019	1131 / 893	1128 / 747	450	CFM Watts	1053	1062	1067	1069	1066
3.5 tons †	290	CFM Watts	121 / 171	181 / 195	240 / 210	297 / 218	350 / 217	400	CFM Watts	115	171	227	280	330
	370	CFM Watts	1194 / 1316	1208 / 1220	1218 / 1115	1221 / 999	1215 / 868	400	CFM Watts	1196	1209	1218	1219	1212
	400	CFM Watts	147 / 204	212 / 229	276 / 246	337 / 255	393 / 256	400	CFM Watts	160	225	289	349	403
	450	CFM Watts	1343 / 1463	1361 / 1374	1371 / 1279	1368 / 1175	1352 / 1061	450	CFM Watts	1347	1363	1371	1366	1342
	450	CFM Watts	200 / 272	275 / 300	348 / 320	413 / 331	469 / 334	450	CFM Watts	220	295	367	430	480
4 tons	290	CFM Watts	1020 / 1149	1028 / 1041	1034 / 919	1037 / 779	1034 / 609	290	CFM Watts	1020	1028	1033	1173	1031
	370 †	CFM Watts	99 / 142	152 / 164	206 / 178	259 / 183	308 / 182	400 †	CFM Watts	107	160	214	327	315
	400	CFM Watts	1287 / 1408	1304 / 1317	1314 / 1218	1315 / 1110	1304 / 981	400 †	CFM Watts	1220	1234	1243	1244	1236
	450	CFM Watts	179 / 245	250 / 272	320 / 291	384 / 301	441 / 303	450	CFM Watts	169	236	301	362	417
	450	CFM Watts	1395 / 1514	1413 / 1427	1421 / 1334	1415 / 1233	1369 / 1124	450	CFM Watts	1440	1416	1421	1411	1355
4 tons	290	CFM Watts	221 / 299	300 / 328	374 / 348	440 / 361	480 / 364	450	CFM Watts	244	322	395	458	475
	370	CFM Watts	1584 / 1687	1593 / 1605	1576 / 1518	1474 / 1425	1350 / 1326	450	CFM Watts	1589	1592	1545	1434	1315
	400	CFM Watts	313 / 405	399 / 435	467 / 458	477 / 472	468 / 477	450	CFM Watts	347	428	474	473	463
	450	CFM Watts	1156 / 1302	1169 / 1205	1178 / 1098	1181 / 981	1174 / 848	290	CFM Watts	1157	1169	1177	1179	1174
	450	CFM Watts	197 / 222	259 / 239	319 / 248	383 / 249	463 / 249	450	CFM Watts	147	209	271	330	383
4 tons	290	CFM Watts	1487 / 1618	1500 / 1534	1496 / 1445	1445 / 1350	1319 / 1248	350	CFM Watts	1400	1416	1421	1411	1335
	370	CFM Watts	288 / 359	369 / 389	441 / 411	481 / 425	470 / 429	450	CFM Watts	244	322	395	458	475
	400	CFM Watts	1616 / 1728	1614 / 1646	1543 / 1543	1423 / 1423	1301 / 1301	400	CFM Watts	1615	1615	1545	1431	1313
	450	CFM Watts	363 / 433	443 / 464	475 / 475	472 / 472	463 / 463	450	CFM Watts	363	444	474	471	462
	450	CFM Watts	1711 / 1711	1621 / 1621	1514 / 1514	1393 / 1393	1273 / 1273	450	CFM Watts	1716	1629	1528	1411	1297
450	CFM Watts	432 / 432	456 / 456	465 / 465	460 / 460	453 / 453	450	CFM Watts	430	453	462	458	452	

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

**TAM8A0C42 Minimum Heating Airflow Settings**

MODEL NO.	MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX			
	BAYEVAC05BK1AA 978/1093	BAYEVAC08BK1AA 1035/1380	BAYEVAC10LG3AA 920/1093	BAYEVBC15LG3AA 1035/1438
TAM8A0C42V31CC	BAYEVAC05BK1AA 978/1093	BAYEVAC08BK1AA 1035/1380	BAYEVAC10LG3AA 920/1093	BAYEVBC15BK1AA 1150/1495
				BAYEVBC20BK1AA 1380/1610

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.

**TAM8A0C48 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
			CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton			Watts	Watts	Watts	Watts	Watts
3 tons	290	CFM	894 / 1018	900 / 897	896 / 767	886 / 622	871 / 445	290	CFM	893	900	893	883	864
	350	CFM	1067 / 1180	1073 / 1078	1072 / 972	1065 / 859	1053 / 738	350	CFM	1068	1073	1070	1062	1049
	400	CFM	1205 / 1314	1212 / 1222	1213 / 1128	1208 / 1029	1199 / 926	400	CFM	1207	1212	1212	1206	1196
	450	CFM	1343 / 1451	1352 / 1367	1355 / 1280	1353 / 1190	1346 / 1098	450	CFM	1344	1352	1354	1352	1344
	450	CFM	193 / 232	259 / 264	320 / 289	377 / 305	427 / 313	450	CFM	206	270	331	387	436
3.5 tons	290	CFM	1034 / 1149	1041 / 1044	1038 / 934	1031 / 817	1018 / 690	290	CFM	1034	1040	1037	1028	1014
	350	CFM	1228 / 1336	1235 / 1246	1236 / 1153	1232 / 1056	1224 / 955	350	CFM	1229	1235	1236	1230	1220
	400	CFM	1389 / 1498	1399 / 1415	1403 / 1331	1401 / 1244	1395 / 1154	400	CFM	1392	1400	1403	1400	1394
	450	CFM	1558 / 1669	1570 / 1592	1575 / 1514	1575 / 1434	1568 / 1351	450	CFM	1561	1572	1576	1574	1567
	450	CFM	290 / 343	367 / 377	439 / 404	505 / 422	563 / 432	450	CFM	310	386	457	521	577
4 tons †	290	CFM	1168 / 1298	1175 / 1205	1175 / 1109	1170 / 1010	1160 / 905	290	CFM	1168	1176	1174	1168	1157
	350 †	CFM	1389 / 1517	1399 / 1436	1403 / 1352	1401 / 1266	1395 / 1177	350	CFM	1392	1400	1403	1400	1394
	400	CFM	1583 / 1714	1595 / 1639	1601 / 1562	1600 / 1483	1593 / 1401	400 †	CFM	1586	1597	1601	1599	1591
	450	CFM	1790 / 1918	1800 / 1848	1808 / 1775	1793 / 1701	1698 / 1625	450	CFM	1794	1801	1800	1766	1667
	450	CFM	429 / 511	515 / 546	594 / 573	663 / 592	660 / 601	450	CFM	459	544	620	665	655
4.5 tons**	290	CFM	1301 / 1429	1310 / 1344	1312 / 1256	1309 / 1165	1302 / 1071	290	CFM	1302	1310	1311	1309	1301
	350	CFM	1558 / 1688	1570 / 1613	1575 / 1535	1575 / 1455	1568 / 1373	350	CFM	1557	1570	1575	1575	1569
	400	CFM	1790 / 1918	1800 / 1848	1801 / 1775	1793 / 1701	1698 / 1625	400	CFM	1789	1799	1801	1794	1701
	450	CFM	429 / 511	515 / 546	594 / 573	663 / 592	660 / 601	450	CFM	428	515	594	663	659
	450	CFM	2018 / 2018	1973 / 1973	1857 / 1857	1749 / 1749	1651 / 1651	450	CFM	2018	1975	1863	1757	1660

5. 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.  
 6. All heating modes default to Constant CFM.  
 7. Cooling airflow values are with wet coil, no filter

**TAM8A0C48 Minimum Heating Airflow Settings**

MODEL NO.	MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX							
	BAYEVAC08BK1AA 1063/1188	BAYEVAC08BK1AA 1063/1188	BAYEVAC08BK1AA 1063/1188	BAYEVAC10LGS3AA 1000/1188	BAYEVAC10LGS3AA 1125/1563	BAYEVAC15BK1AA 1250/1625	BAYEVAC20BK1AA 1600/1750	BAYEVCC25BK1AA 1625/1813
TAM8A0C48V4TCC	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.

TAM8B060 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	290 CFM/ton	CFM Watts	1040 / 1151 94 / 119	1068 / 1056 151 / 148	1075 / 941 203 / 168	1066 / 799 247 / 175	1046 / 607 283 / 165	290 CFM/ton	CFM Watts	1039 95	1065 151	1071 203	1063 247	1045 283
	370 CFM/ton	CFM Watts	1312 / 1343 171 / 178	1332 / 1264 236 / 210	1336 / 1174 296 / 235	1329 / 1068 349 / 250	1314 / 945 392 / 251	350 CFM/ton	CFM Watts	1247 150	1266 213	1270 270	1263 321	1248 363
	400 CFM/ton	CFM Watts	1408 / 1496 206 / 238	1425 / 1426 274 / 273	1429 / 1346 337 / 301	1423 / 1256 393 / 319	1410 / 1154 440 / 325	400 CFM/ton	CFM Watts	1407 206	1423 274	1426 337	1421 392	1409 439
	450 CFM/ton	CFM Watts	1565 / 1650 274 / 312	1579 / 1585 348 / 348	1584 / 1512 416 / 378	1580 / 1432 477 / 398	1569 / 1343 529 / 407	450 CFM/ton	CFM Watts	1564 274	1578 348	1582 416	1578 476	1569 529
	290 CFM/ton	CFM Watts	1186 / 1304 131 / 164	1208 / 1223 192 / 196	1213 / 1128 248 / 220	1206 / 1018 297 / 234	1189 / 887 337 / 233	290 CFM/ton	CFM Watts	1185 131	1206 192	1210 248	1203 297	1187 337
	370 CFM/ton	CFM Watts	1480 / 1514 235 / 245	1495 / 1444 306 / 280	1499 / 1365 372 / 308	1495 / 1277 430 / 327	1482 / 1177 479 / 334	350 CFM/ton	CFM Watts	1407 206	1423 274	1426 337	1421 392	1409 439
4 tons	400 CFM/ton	CFM Watts	1587 / 1689 285 / 332	1602 / 1625 360 / 369	1606 / 1554 429 / 399	1602 / 1475 490 / 420	1592 / 1399 543 / 430	400 CFM/ton	CFM Watts	1587 285	1600 360	1604 428	1601 490	1592 543
	450 CFM/ton	CFM Watts	1770 / 1873 386 / 443	1784 / 1813 468 / 481	1789 / 1747 543 / 512	1788 / 1675 612 / 534	1782 / 1597 671 / 546	450 CFM/ton	CFM Watts	1770 385	1783 467	1788 543	1788 611	1782 671
	290 CFM/ton	CFM Watts	1322 / 1431 174 / 211	1340 / 1358 240 / 245	1345 / 1274 300 / 271	1338 / 1179 353 / 288	1323 / 1069 397 / 292	290 CFM/ton	CFM Watts	1321 174	1338 240	1342 300	1336 352	1322 396
	370 CFM/ton	CFM Watts	1646 / 1667 315 / 320	1660 / 1602 392 / 357	1665 / 1530 463 / 386	1662 / 1451 527 / 407	1653 / 1363 582 / 417	350 CFM/ton	CFM Watts	1564 274	1578 348	1582 416	1578 476	1569 529
	400 CFM/ton	CFM Watts	1770 / 1873 386 / 443	1784 / 1813 468 / 481	1789 / 1747 543 / 512	1788 / 1675 612 / 534	1782 / 1597 671 / 546	400 CFM/ton	CFM Watts	1770 385	1783 467	1788 543	1788 611	1782 671
	450 CFM/ton	CFM Watts	1989 / 2099 535 / 612	2004 / 2042 627 / 650	2013 / 1980 712 / 681	2013 / 1913 788 / 703	2009 / 1842 855 / 716	450 CFM/ton	CFM Watts	1989 534	2003 626	2011 711	2014 788	2011 856
5 tons	290 CFM/ton	CFM Watts	1452 / 1557 224 / 265	1469 / 1489 294 / 301	1473 / 1413 358 / 329	1468 / 1327 415 / 348	1455 / 1231 463 / 356	290 CFM/ton	CFM Watts	1452 224	1467 294	1471 358	1466 415	1454 463
	370 CFM/ton	CFM Watts	1817 / 1826 415 / 451	1831 / 1765 499 / 451	1837 / 1698 576 / 481	1837 / 1624 647 / 503	1831 / 1544 708 / 515	350 CFM/ton	CFM Watts	1723 357	1736 437	1741 511	1740 578	1734 636
	400 CFM/ton	CFM Watts	1964 / 2073 516 / 590	1978 / 2015 607 / 629	1986 / 1953 690 / 660	1987 / 1886 766 / 682	1983 / 1814 832 / 695	400 CFM/ton	CFM Watts	1964 515	1978 606	1985 690	1988 766	1985 833
	450 CFM/ton	CFM Watts	2231 / 2347 741 / 842	2245 / 2292 842 / 879	2252 / 2233 934 / 908	2252 / 2171 1015 / 930	2185 / 2104 1024 / 941	450 CFM/ton	CFM Watts	2232 741	2245 842	2252 934	2252 1016	2186 1023

1. † Factory Setting
2. \*\* Not an actual OD size
3. Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
4. Torque mode will reduce airflow when static is above approximately 0.4" water column.
5. 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.
6. All heating modes default to Constant CFM.
7. Cooling airflow values are with wet coil, no filter

### TAM8B060 Minimum Heating Airflow Settings

MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX					
MODEL NO.	BAYEVA08BK1AA BAYEVA08LG1AA	BAYEVA08BK1AA BAYEVA08LG1AA	BAYEVAC10LG3AA 1000/1188	BAYEVCB15LG3AA 1125/1563	BAYEVC15BK1AA 1250/1625
TAM8B060V51CB	1063/1188	1063/1500	1000/1188	1125/1563	1500/1750
WITHOUT HEAT PUMP / WITH HP					
SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS					
⊕ Heater not qualified for 208V when installed in horizontal left position without Heat Pump					

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



# Electrical Data

## TAM8 HEATER ATTRIBUTE DATA

Heater Attribute Data											
TAM8A0B30V21CC											
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	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 ①	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

① MCA and MOP for circuit 1 contains the motor amps

Heater Attribute Data											
TAM8A0B30V21CC											
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	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 ①	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

① MCA and MOP for circuit 1 contains the motor amps

### Notes:

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





**TRANE®**

# Electrical Data

## TAM8 HEATER ATTRIBUTE DATA

Heater Attribute Data											
TAM8A0C36V31CC											
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	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
BAYEVC15LG3	1-3 PH	14.40	42000	34.6	47	50	10.80	36900	30.0	41	45
BAYEVC15BK1 - Circuit 1 ① BAYEVC15BK1 - 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
BAYEVC20BK1 - Circuit 1 ① BAYEVC20BK1 - 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  
① MCA and MOP for circuit 1 contains the motor amps

Heater Attribute Data											
TAM8A0C42V31CC											
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	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
BAYEVC15LG3	1-3 PH	14.40	42000	34.6	47	50	10.80	36900	30.0	41	45
BAYEVC15BK1 - Circuit 1 ① BAYEVC15BK1 - 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
BAYEVC20BK1 - Circuit 1 ① BAYEVC20BK1 - 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  
① MCA and MOP for circuit 1 contains the motor amps

Notes:

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



# Electrical Data

## TAM8 HEATER ATTRIBUTE DATA

Heater Attribute Data											
TAM8A0C48V41CC											
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
BAYEVAC10++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 ① 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 ① 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 ① 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  
① MCA and MOP for circuit 1 contains the motor amps

Heater Attribute Data											
TAM8B0C60V51CB											
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
BAYEVAC10++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 ① 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 ① 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 ② - Circuit 1 ① 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  
① MCA and MOP for circuit 1 contains the motor amps  
② Heater not qualified for 208V when installed in horizontal left position without Heat Pump

Notes:

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





**TRANE<sup>®</sup>**

## **Electrical Data**

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### **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 8 air handlers.**



# Electrical Data

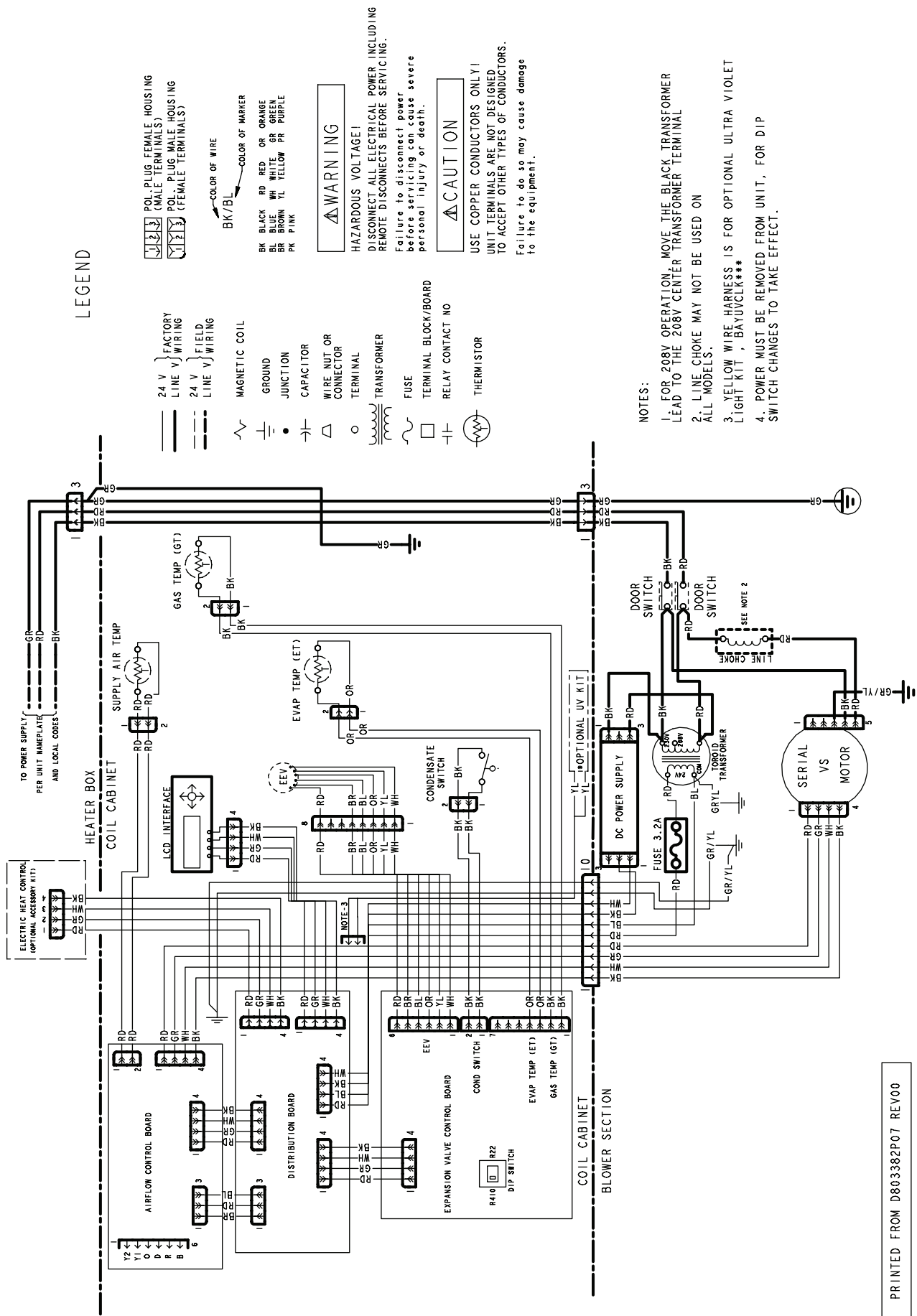
## TAM8 AIR HANDLER AND HEATER MATRIX - ALLOWABLE COMBINATIONS

APPROVED AIR HANDLER - HEATER COMBINATIONS									
AIR HANDLER	HEATER MODEL NUMBER BAYEV-								
MODEL NUMBER	AC05BK1AA 4.80 Kw BK	AC05LG1AA 4.80 Kw LG	AC08BK1AA 7.68 Kw BK	AC08LG1AA 7.68 Kw LG	AC10BK1AA 9.60 Kw BK	AC10LG1AA 9.60 Kw LG	BC15BK1AA 14.40 Kw BK	BC20BK1AA 19.20 Kw BK	CC25BK1AA 24.00 Kw BK
TAM8A0A24V21CC	Y	Y	Y	Y	Y <sup>①</sup>	Y <sup>①</sup>	-	-	-
TAM8A0B30V21CC	Y	Y	Y	Y	Y	Y	Y	-	-
TAM8A0C36V31CC	Y	Y	Y	Y	Y	Y	Y	-	-
TAM8A0C42V31CC	Y	Y	Y	Y	Y	Y	Y	Y	-
TAM8A0C48V41CC	Y	Y	Y	Y	Y	Y	Y	Y	Y
TAM8B0C60V51CB	Y	Y	Y	Y	Y	Y	Y	Y	Y <sup>①</sup>

① Heater is not qualified for 208V when installed in horizontal left position without HP.

APPROVED AIR HANDLER - HEATER COMBINATIONS		
AIR HANDLER	HEATER MODEL NUMBER BAYEV-	
MODEL NUMBER	AC10LG3AA 9.60 Kw LG	BC15LG3AA 14.4 Kw LG
TAM8A0A24V21CC	Y	-
TAM8A0B30V21CC	Y	Y
TAM8A0C36V31CC	Y	Y
TAM8A0C42V31CC	Y	Y
TAM8A0C48V41CC	Y	Y
TAM8B0C60V51CB	Y	Y

# WIRING DIAGRAM FOR TAM8 AIR HANDLERS



## LEGEND

- 24 V LINE V WIRING
  - 24 V FIELD V WIRING
  - MAGNETIC COIL
  - GROUND
  - JUNCTION
  - CAPACITOR
  - WIRE NUT OR CONNECTOR
  - TERMINAL
  - TRANSFORMER
  - FUSE
  - TERMINAL BLOCK/BOARD
  - RELAY CONTACT
  - THERMISTOR
- POL PLUG FEMALE HOUSING (MALE TERMINALS)  
 POL PLUG MALE HOUSING (FEMALE TERMINALS)
- COLOR OF WIRE  
 BK/BL
- COLOR OF MARKER  
 BK BLACK RD RED OR ORANGE  
 BL BLUE WH WHITE GR GREEN  
 BR BROWN YL YELLOW PR PURPLE  
 PK PINK
- WARNING**  
 HAZARDOUS VOLTAGE!  
 DISCONNECT ALL ELECTRICAL POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.  
 Failure to disconnect power before servicing can cause severe personal injury or death.
- CAUTION**  
 USE COPPER CONDUCTORS ONLY!  
 UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.  
 Failure to do so may cause damage to the equipment.

## NOTES:

1. FOR 208V OPERATION, MOVE THE BLACK TRANSFORMER LEAD TO THE 208V CENTER TRANSFORMER TERMINAL.
2. LINE CHOKE MAY NOT BE USED ON ALL MODELS.
3. YELLOW WIRE HARNESS IS FOR OPTIONAL ULTRA VIOLET LIGHT KIT, BAYUVCCLK\*\*\*
4. POWER MUST BE REMOVED FROM UNIT, FOR DIP SWITCH CHANGES TO TAKE EFFECT.

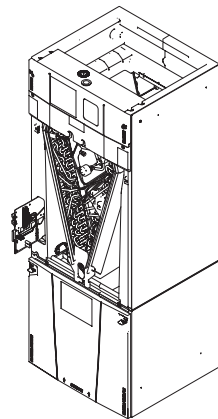
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# Field Wiring

## TAM8 Fully Communicating System



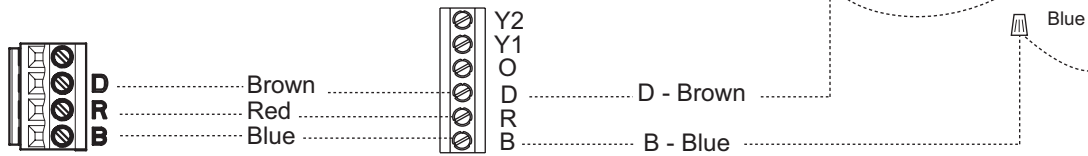
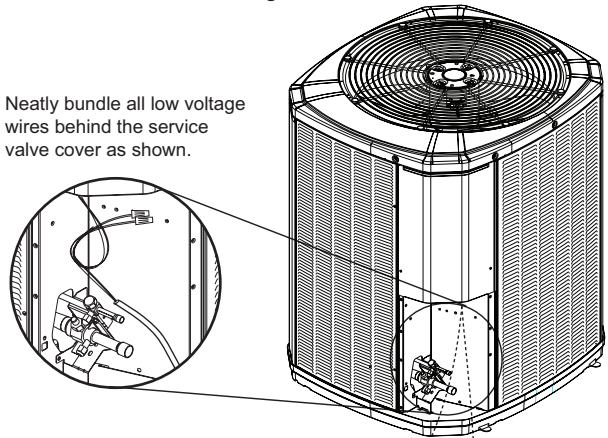
Comfort Control



Series 8 Air Handler

## Communicating Outdoor Unit

Neatly bundle all low voltage wires behind the service valve cover as shown.



..... Field wiring

**Notes:**

- If a 3rd party condensate overflow switch is installed, it should be wired in series with R to the thermostat or connected to the External Switch terminals on the AFC. See External Switch wiring section.
- For 24 VAC Outdoor equipment, accessory BAYCC24VK01A must be ordered separately
- "D" is the Data line. Installer to select a wire color.

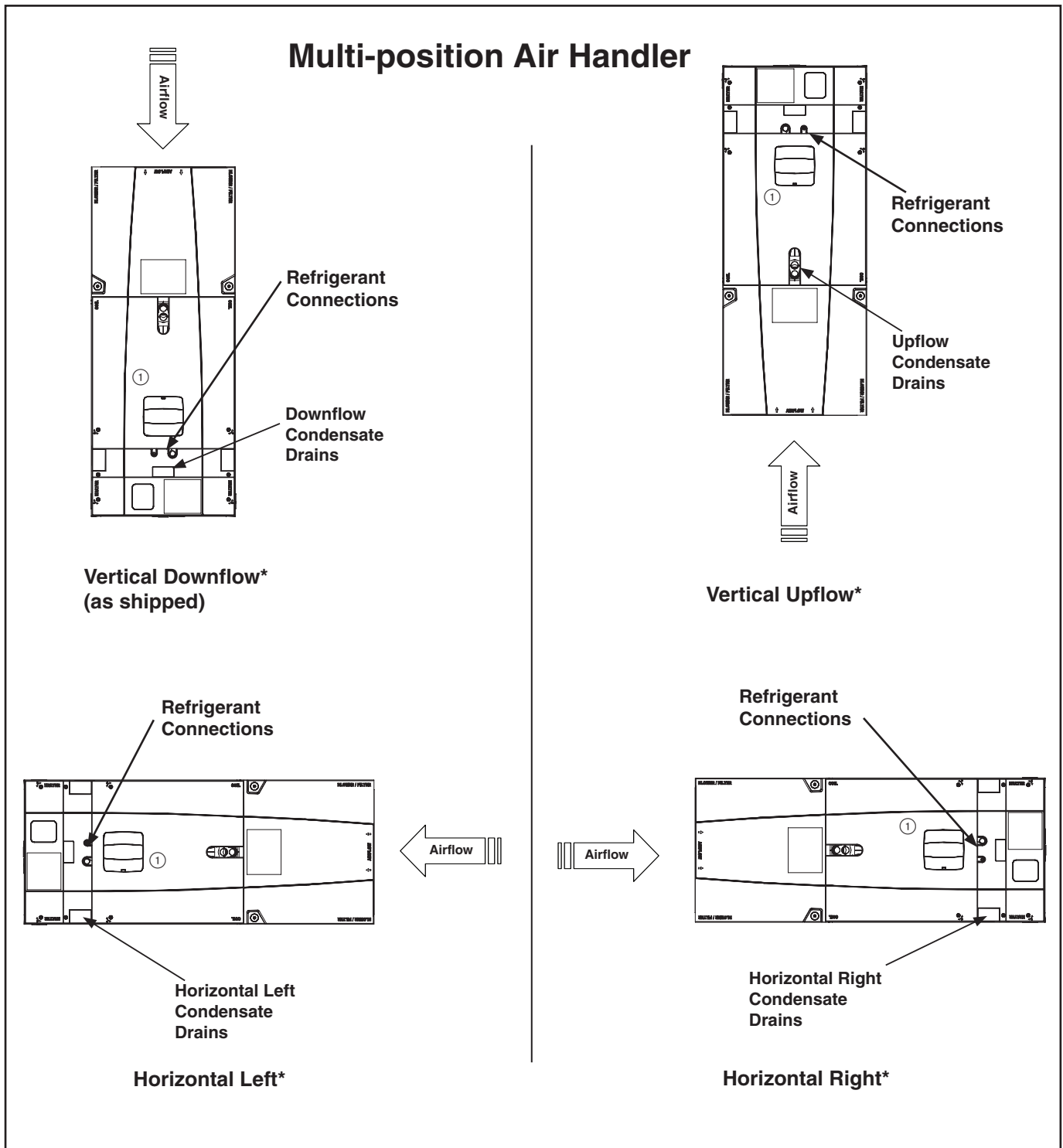


**TRANE®**

# TAM8 Convertibility

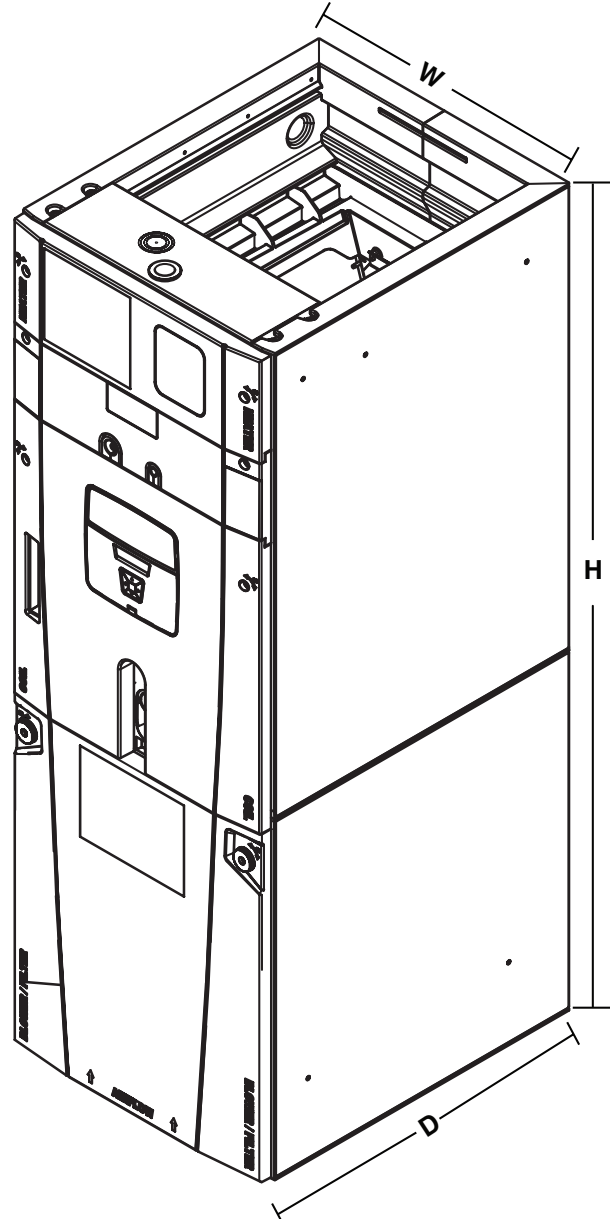
\* Note: No internal modifications required for any position.

① Badge rotation will keep brand in correct position



## Dimensions

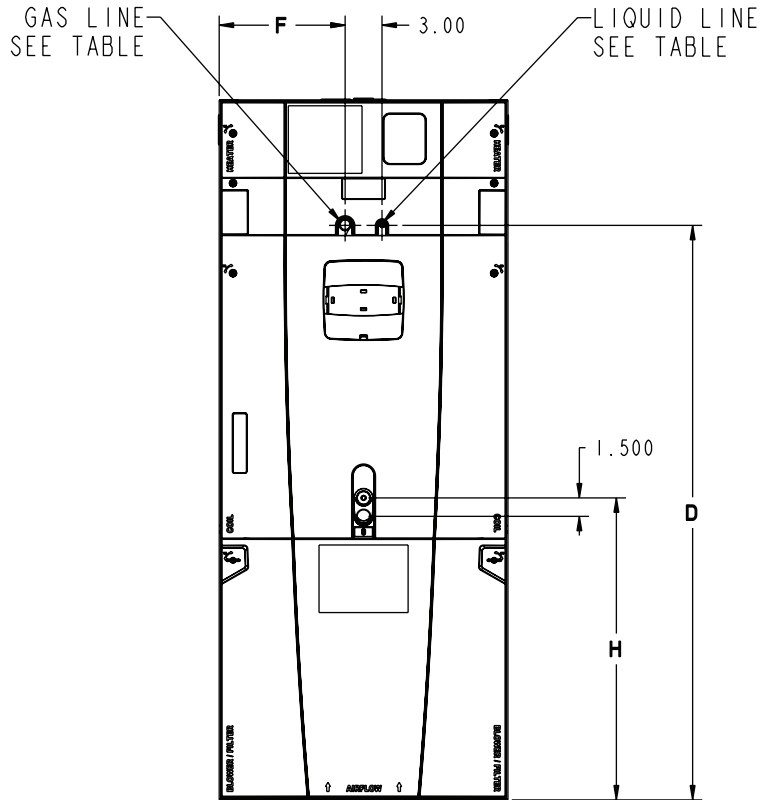
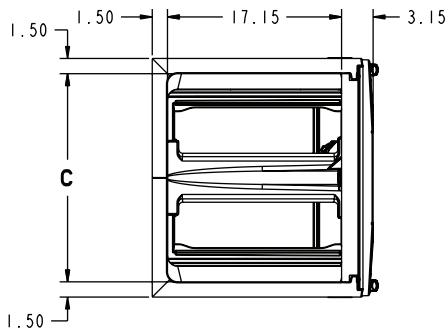
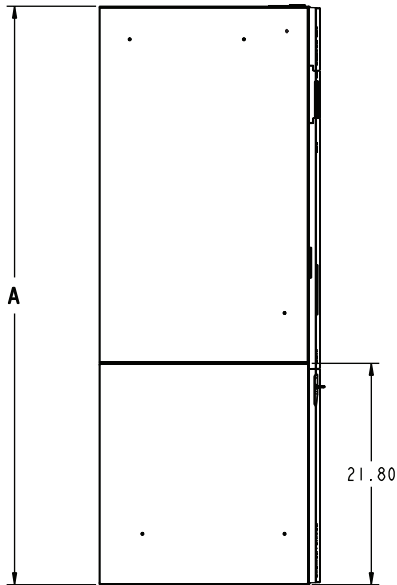
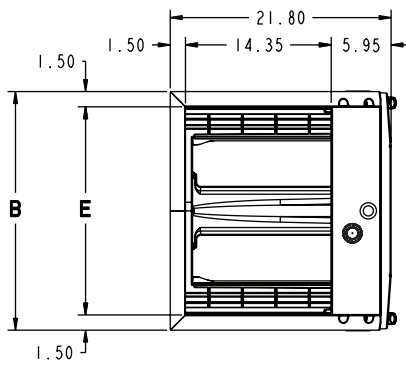
### TAM8 AIR HANDLER DIMENSIONAL DATA



Model No.	H	W	D
TAM8A0A24V21CC	49.9	17.5	21.75
TAM8A0B30V21CC	55.7	21.3	21.75
TAM8A0C36V31CC	56.9	23.5	21.75
TAM8A0C42V31CC	56.9	23.5	21.75
TAM8A0C48V41CC	61.7	23.5	21.75
TAM8B0C60V51CB	61.7	23.5	21.75

TAM8 AIR HANDLERS ARE ALL TWO  
PIECE CABINETS.

# TAM8 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 NO.	A	B	C	D	E	F	H	FLOW CONTROL	GAS LINE BRAZE	LIQ LINE BRAZE
TAM8A0A24V21CC	49.9	17.5	14.5	39.6	14.5	7.3	24.4	EEV	3/4	3/8
TAM8A0B30V21CC	55.7	21.3	18.4	45.5	18.4	9.2	24.8	EEV	3/4	3/8
TAM8A0C36V31CC	56.9	23.5	20.5	46.7	20.5	10.3	24.2	EEV	7/8	3/8
TAM8A0C42V31CC	56.9	23.5	20.5	46.7	20.5	10.3	24.5	EEV	7/8	3/8
TAM8A0C48V41CC	61.7	23.5	20.5	51.5	20.5	10.3	24.9	EEV	7/8	3/8
TAM8B0C60V51CB	61.7	23.5	20.5	51.5	20.5	10.3	24.9	EEV	7/8	3/8







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03/13

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**Trane**  
**6200 Troup Highway**  
**Tyler, TX 75707**  
**www.trane.com**

*The manufacturer has a policy of continuous product and product data improvement and it reserves the right to change design and specifications without notice.*