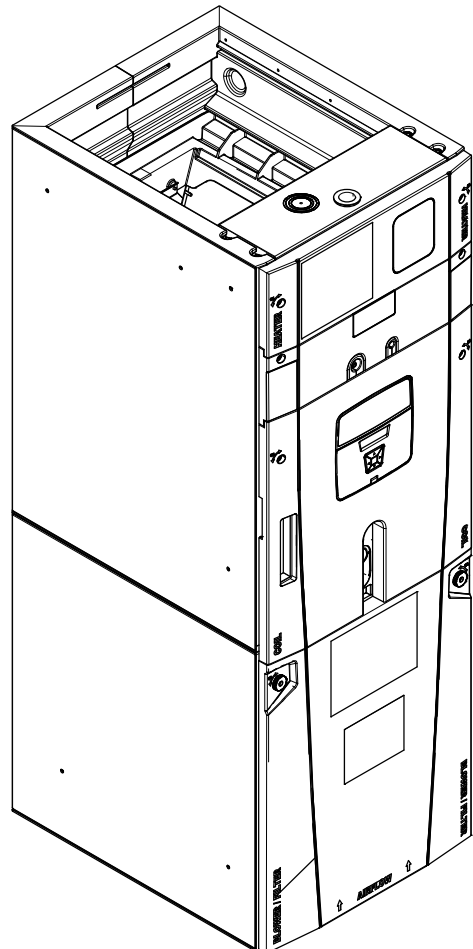




TRANE®

Variable Speed Outdoor Compatible Convertible Air Handlers 2-5 Tons

**TAM8C0A24V21CA
TAM8C0B30V21CA
TAM8C0C36V31CA
TAM8C0C42V31CA
TAM8C0C48V41CA
TAM8C0C60V51CA**



**IMPORTANT: TZONE850/950
communicating thermostats
MUST be used for Variable
Speed Outdoor units.**

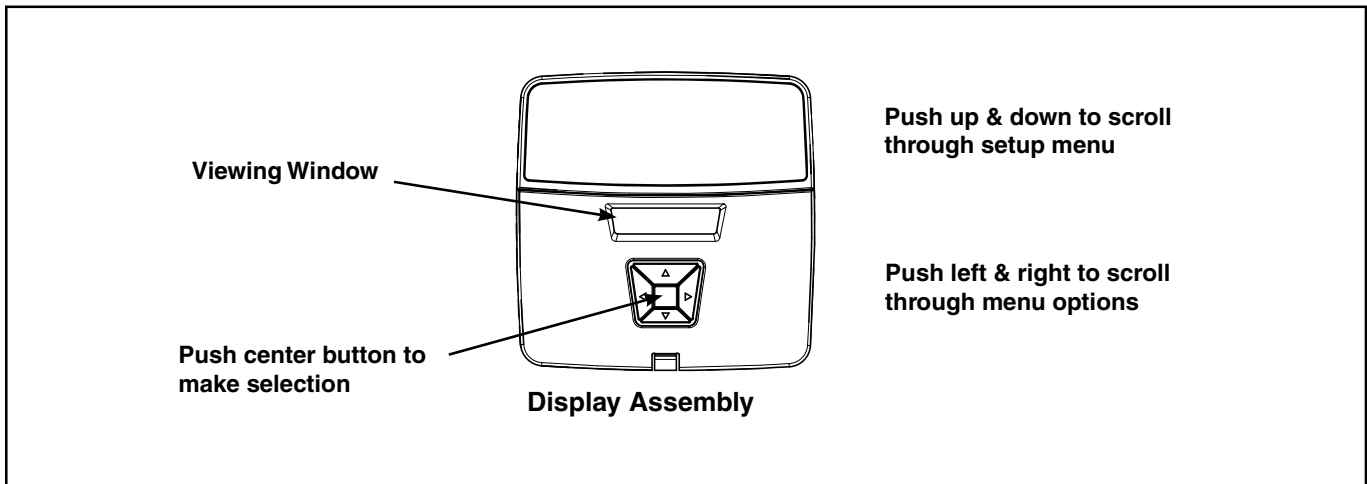
PUB. NO. 22-1856-07



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**





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Optional Equipment

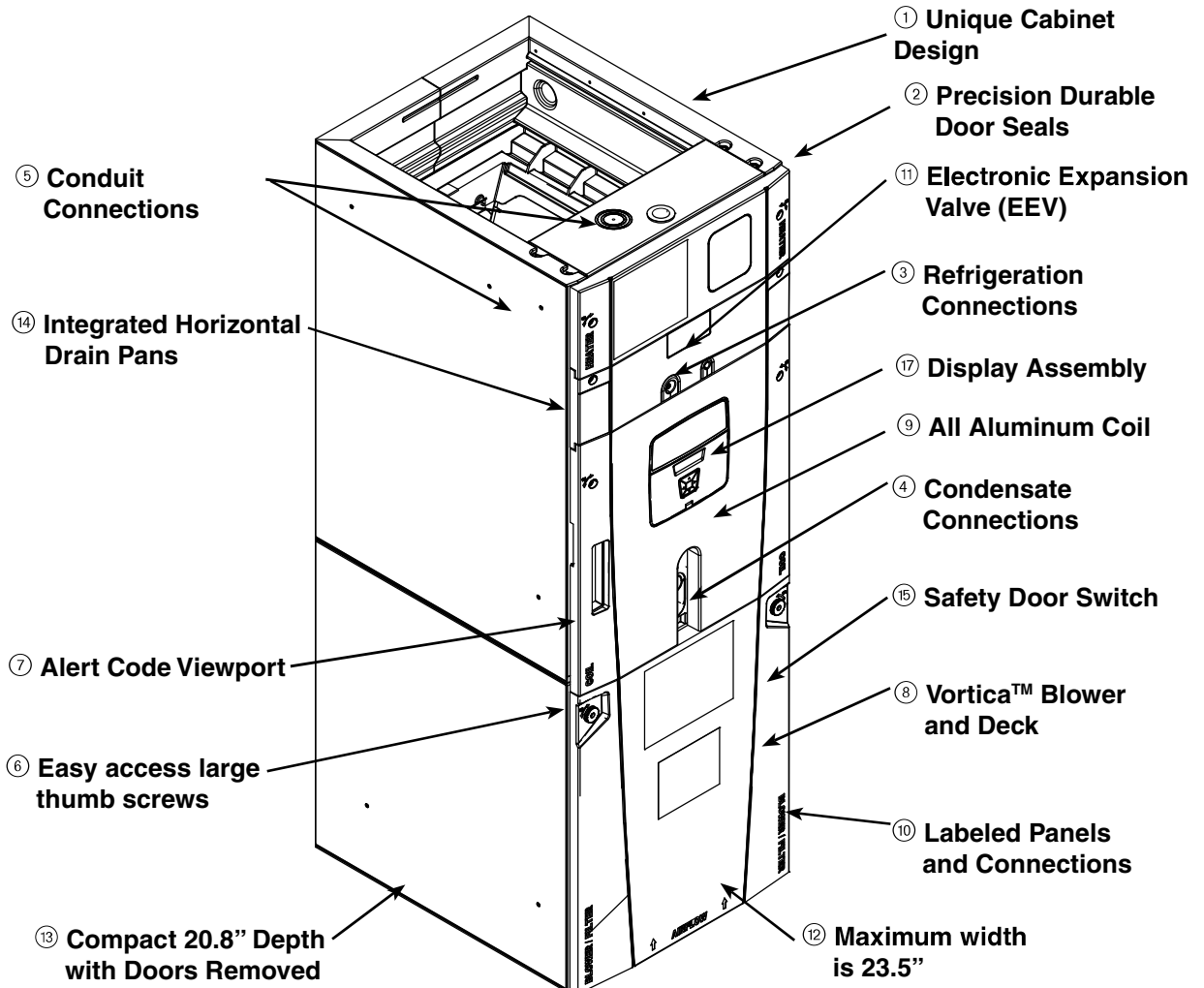
OPTIONAL EQUIPMENT FOR AIR HANDLERS

Accessory Number	Description	Fits Cabinet Size
BAYEVAC04BK1AA	Electric Heater, 4kW, Breaker, RS-485 Control, 1 Ph	A to C
BAYEVAC04LG1AA	Electric Heater, 4kW, Lugs, RS-485 Control, 1 Ph	A to C
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
MITISRKIT1620	Side Return Kit with 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
BAYBAFKT175A	Sound Baffle Kit - 17.5" Cabinet	A
BAYBAFKT215A	Sound Baffle Kit - 21.0" Cabinet	B
BAYBAFKT235A	Sound Baffle Kit - 23.5" Cabinet	C
TASSBK175	Sound Baffle Kit for 17.5" Cabinet	
TASSBK210	Sound Baffle Kit for 21.0" Cabinet	
TASSBK235	Sound Baffle Kit for 23.5" Cabinet	
BAYICSKIT01A	Internal Condensate Switch Kit	A to C
BAYHHKIT001A	Horizontal Hanger Kit	A to C
BAYUVCLK001A	UV 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
BAYINSKT175A	Solcoustic® Liner Kit - 17.5" Cabinet	A
BAYINSKT215A	Solcoustic® Liner Kit - 21.5" Cabinet	B
BAYINSKT235A	Solcoustic® Liner Kit - 23.5" Cabinet	C
BAYCNDPIP01A	3/4" PVC Threaded Pipe Kit foam seal (10 per box)	A to C

* The TCONT900 thermostat cannot be used with a Hydronic Coil or a Variable Speed Outdoor Unit



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	TAM8C0A24V21CA	TAM8C0B30V21CA	TAM8C0C36V31CA
RATED VOLTS/PH/HZ.	200-230/1/60	200-230/1/60	200-230/1/60
RATINGS ①	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.) ②	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 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
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

PRODUCT SPECIFICATIONS

MODEL	TAM8C0C42V31CA	TAM8C0C48V41CA	TAM8C0C60V51CA
RATED VOLTS/PH/HZ.	200-230/1/60	200-230/1/60	200-230/1/60
RATINGS ①	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 (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
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 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
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

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)

TAM8C0A24 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE													
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	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	407/546	430/403	398/NA	347/NA	255/NA	290	CFM	416	426	401	330	291
	350 CFM/ton	534/630	549/531	542/360	509/NA	445/NA	350	CFM	532	550	542	507	434
	400 CFM/ton	617/697	633/617	632/501	604/NA	556/NA	400	CFM	660	680	679	658	614
	450 CFM/ton	691/762	710/693	707/602	688/478	649/NA	450	CFM	690	710	709	690	651
	290 CFM/ton	593/680	613/595	607/470	583/208	527/132	290	CFM	593	613	608	582	527
2 tons †	350 CFM/ton	717/783	733/717	733/632	714/519	678/355	350	CFM	714	734	734	716	679
	400 † CFM/ton	810/868	827/811	827/740	813/652	782/543	400 †	CFM	862	881	884	874	849
	450 CFM/ton	903/954	918/902	920/839	909/764	884/674	450	CFM	899	917	921	912	889
	290 CFM/ton	741/820	757/759	757/681	739/582	705/452	290	CFM	738	757	758	742	707
	350 CFM/ton	880/947	896/895	896/832	885/757	859/665	350	CFM	876	895	898	888	864
2.5 tons	400 CFM/ton	996/1059	1011/1011	1014/954	1006/887	985/807	400	CFM	1064	1083	1089	1084	1066
	450 CFM/ton	1120/1180	1135/1134	1137/1081	1129/1019	1108/946	450	CFM	1115	1133	1139	1133	1116
	290 CFM/ton	741/820	757/759	757/681	739/582	705/452	290	CFM	738	757	758	742	707
	350 CFM/ton	880/947	896/895	896/832	885/757	859/665	350	CFM	876	895	898	888	864
	400 CFM/ton	996/1059	1011/1011	1014/954	1006/887	985/807	400	CFM	1064	1083	1089	1084	1066
3 tons	450 CFM/ton	1358/1403	1333/1359	1256/1308	1177/1251	1095/1187	450	CFM	1355	1360	1286	1208	1128
	290 CFM/ton	741/820	757/759	757/681	739/582	705/452	290	CFM	738	757	758	742	707
	350 CFM/ton	880/947	896/895	896/832	885/757	859/665	350	CFM	876	895	898	888	864
	400 CFM/ton	996/1059	1011/1011	1014/954	1006/887	985/807	400	CFM	1064	1083	1089	1084	1066
	450 CFM/ton	1358/1403	1333/1359	1256/1308	1177/1251	1095/1187	450	CFM	1355	1360	1286	1208	1128

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

TAM8C0A24 Minimum Heating Airflow Settings

MODEL NO.	MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX			
	BAYEVAC08BK1AA BAYEVAC04LG1AA BAYEVAC05BK1AA BAYEVAC05LG1AA	BAYEVAC10BK1AA BAYEVAC10LG1AA	BAYEVAC10LG3AA	BAYEVBC15BK1AA BAYEVBC15LG3AA
TAM8C0A24V21CA	638/900	675 @ /900	600/713	-

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.

TAM8C0B30 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
	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
2 tons †	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 † 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
	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	746 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
2.5 tons	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
	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
3 tons	450 CFM/ton	CFM Watts	1355 / 1471 241 / 282	1376 / 1391 318 / 311	1375 / 1302 386 / 333	1353 / 1201 441 / 345	1296 / 1086 472 / 347	450 CFM/ton	CFM Watts	1338 221	1363 299	1368 369	1350 427	1314 472

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

TAM8C0B30 Minimum Heating Airflow Settings

MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX			
BAYEVAC04BK1AA	BAYEVAC08BK1AA	BAYEVAC10BK1AA	BAYEVC15BK1AA
BAYEVAC04LG1AA	BAYEVAC08BK1AA	BAYEVAC10LG3AA	BAYEVC15BK1AA
BAYEVAC05LG1AA	BAYEVAC08LG1AA	BAYEVAC10LG3AA	BAYEVC15BK1AA
TAM8C0B30Z1CA	723/808 723/1020	680/808 680/1020	850/1105 850/1063
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.

TAM8C0C36 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE													
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)				HEATING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE				
			0.1	0.3	0.5	0.7			0.9	0.1	0.3	0.5	0.7
2 tons	290 CFM/ton	CFM	605 / 747	573 / 565	553 / 306	548 / NA	546 / NA	290 CFM/ton	CFM	606	574	555	549
	370 CFM/ton	Watts	31 / 48	59 / 58	88 / 62	120 / NA	153 / NA	CFM/ton	Watts	31	58	87	119
	400 CFM/ton	CFM	755 / 880	745 / 738	737 / 575	738 / 367	735 / NA	CFM/ton	CFM	720	705	695	694
	CFM/ton	Watts	50 / 70	85 / 85	121 / 93	160 / 97	197 / NA	CFM/ton	Watts	43	77	111	148
	CFM/ton	CFM	810 / 929	804 / 797	800 / 650	802 / 478	802 / 231	CFM/ton	CFM	810	805	800	803
	CFM/ton	Watts	58 / 80	97 / 96	136 / 106	176 / 111	216 / 120	CFM/ton	Watts	56	95	134	174
2.5 tons	450 CFM/ton	CFM	900 / 1011	900 / 893	902 / 764	905 / 624	906 / 462	450 CFM/ton	CFM	900	900	901	906
	CFM/ton	Watts	75 / 98	118 / 117	162 / 129	207 / 136	251 / 140	CFM/ton	Watts	72	115	159	204
	290 CFM/ton	CFM	742 / 891	729 / 752	722 / 592	721 / 394	720 / NA	CFM/ton	CFM	742	731	722	722
	CFM/ton	Watts	48 / 72	82 / 87	118 / 96	155 / 99	193 / NA	CFM/ton	Watts	46	81	117	154
	370 CFM/ton	CFM	922 / 1055	923 / 942	927 / 820	930 / 690	931 / 546	350 CFM/ton	CFM	877	877	876	880
	CFM/ton	Watts	80 / 109	124 / 128	170 / 142	215 / 150	260 / 154	CFM/ton	Watts	68	110	152	196
3 tons †	400 CFM/ton	CFM	989 / 1118	995 / 1012	1002 / 899	1008 / 779	1010 / 652	400 CFM/ton	CFM	989	995	1000	1008
	CFM/ton	Watts	95 / 127	143 / 148	193 / 163	242 / 173	290 / 177	CFM/ton	Watts	90	139	188	238
	450 CFM/ton	CFM	1103 / 1228	1117 / 1131	1129 / 1028	1137 / 921	1137 / 809	450 CFM/ton	CFM	1102	1116	1127	1137
	CFM/ton	Watts	125 / 162	181 / 185	238 / 203	294 / 215	346 / 221	CFM/ton	Watts	119	175	231	288
	290 CFM/ton	CFM	872 / 1009	871 / 890	871 / 761	874 / 620	874 / 457	CFM/ton	CFM	871	872	871	874
	CFM/ton	Watts	70 / 97	111 / 116	154 / 128	197 / 135	240 / 139	CFM/ton	Watts	67	109	151	195
3.5 tons †	370 CFM/ton	CFM	1089 / 1214	1102 / 1116	1114 / 1013	1121 / 905	1122 / 791	350 CFM/ton	CFM	1033	1043	1051	1059
	CFM/ton	Watts	121 / 157	176 / 180	232 / 198	287 / 209	339 / 215	CFM/ton	Watts	101	152	204	257
	400 † CFM/ton	CFM	1175 / 1298	1193 / 1205	1208 / 1107	1215 / 1006	1211 / 899	400 † CFM/ton	CFM	1171	1191	1205	1215
	CFM/ton	Watts	147 / 188	208 / 212	270 / 231	329 / 244	382 / 251	CFM/ton	Watts	139	200	262	322
	450 CFM/ton	CFM	1329 / 1447	1353 / 1361	1366 / 1270	1363 / 1176	1343 / 1077	450 CFM/ton	CFM	1324	1349	1364	1364
	CFM/ton	Watts	204 / 253	276 / 279	345 / 299	406 / 313	456 / 321	CFM/ton	Watts	192	264	334	396
3.5 tons	290 CFM/ton	CFM	1002 / 1131	1009 / 1026	1017 / 914	1023 / 797	1024 / 671	290 CFM/ton	CFM	997	1010	1016	1022
	CFM/ton	Watts	98 / 130	147 / 152	198 / 167	248 / 177	296 / 182	CFM/ton	Watts	92	143	197	248
	370 CFM/ton	CFM	1270 / 1391	1293 / 1302	1308 / 1210	1311 / 1113	1297 / 1012	350 CFM/ton	CFM	1196	1217	1231	1241
	CFM/ton	Watts	181 / 227	249 / 252	316 / 272	377 / 286	429 / 293	CFM/ton	Watts	146	210	272	334
	400 CFM/ton	CFM	1383 / 1499	1407 / 1414	1416 / 1325	1406 / 1233	1380 / 1136	400 CFM/ton	CFM	1379	1404	1415	1330
	CFM/ton	Watts	227 / 278	303 / 305	372 / 325	431 / 340	478 / 348	CFM/ton	Watts	214	289	360	378
450 CFM/ton	CFM	1579 / 1669	1583 / 1587	1567 / 1502	1474 / 1413	1357 / 1320	450 CFM/ton	CFM	1499	1508	1586	1504	
CFM/ton	Watts	326 / 375	402 / 402	464 / 423	475 / 437	468 / 444	CFM/ton	Watts	268	342	460	478	

- 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

TAM8C0C36 Minimum Heating Airflow Settings

MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX			
BAYEVAC04BK1AA	BAYEVAC10BK1AA	BAYEVAC15LG3AA	BAYEVC20BK1AA
BAYEVAC04LG1AA	BAYEVAC10LG1AA	BAYEVAC15LG3AA	BAYEVC15BK1AA
BAYEVAC08BK1AA	BAYEVAC08LG1AA	BAYEVAC10LG3AA	BAYEVC20BK1AA
BAYEVAC08LG1AA	876/979	824/979	1030/1339
TAM8C0C36V31CA	927/1236	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.

TAM8C0C42 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
	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
3 tons	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
	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
3.5 tons †	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
	290 CFM/ton	CFM Watts	1156 / 1302 197 / 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
4 tons	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

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

TAM8C0C42 Minimum Heating Airflow Settings

MODEL NO.	MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX			
	BAYEVAC04BK1AA BAYEVAC04LG1AA BAYEVAC05BK1AA BAYEVAC05LG1AA	BAYEVAC10BK1AA BAYEVAC10LG1AA	BAYEVAC10LG3AA BAYEVAC10LG5AA	BAYEVAC15LG3AA BAYEVAC15LG5AA
TAM8C0C42V31CA	978/1093	978/1380	920/1093	1035/1438
		WITHOUT HEAT PUMP / WITH HP		
		SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS		
			1150/1495	BAYEVC20BK1AA 1380/1610

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

**TAM8C0C48 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	
			CFM	Watts	CFM	Watts	CFM	Watts			CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	CFM	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								
	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								
3.5 tons	290	CFM	1168 / 1298	1175 / 1205	1175 / 1109	1170 / 1010	1160 / 905	290	CFM	1168	1176	1174	1168	1157								
	350	CFM	1389 / 1498	1399 / 1415	1403 / 1331	1401 / 1244	1395 / 1154	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								
	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								
4 tons †	290	CFM	1331 / 170	191 / 200	244 / 223	293 / 237	336 / 242	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								
	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								
4.5 tons**	290	CFM	1790 / 1918	1800 / 1848	1808 / 1775	1793 / 1701	1698 / 1625	400	CFM	1789	1799	1801	1794	1701								
	350	CFM	1973 / 2018	1973 / 1973	1857 / 1857	1749 / 1749	1651 / 1651	450	CFM	2018	1975	1863	1757	1660								
	400	CFM	2187 / 2314	2200 / 2187	2200 / 2187	2187 / 2071	2187 / 2071	400	CFM	2187	2187	2187	2187	2187								
	450	CFM	2387 / 2514	2400 / 2387	2400 / 2387	2387 / 2271	2387 / 2271	450	CFM	2387	2387	2387	2387	2387								
	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								

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

TAM8C0C48 Minimum Heating Airflow Settings

MODEL NO.	MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX							
	BAYEAC08BK1AA BAYEAC04LG1AA BAYEAC08BK1AA BAYEAC08LG1AA 1063/1600	BAYEAC10BK1AA BAYEAC10LG1AA 1125/1500	BAYEAC10LG3AA 1000/1188	BAYEACB15LG3AA 1125/1563	BAYEVCB15LG3AA 1250/1625	BAYEVCB15BK1AA 1250/1625	BAYEVC20BK1AA 1500/1750	BAYEVC25BK1AA 1625/1813
TAM8C0C48V41CA	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.

TAM8C0C60 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE												
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING			EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)			HEATING AIRFLOW SETTING			EXTERNAL STATIC PRESSURE		
	Airflow Power	0.1	0.3	0.5	0.7	0.9	Airflow Power	0.1	0.3	0.5	0.7	0.9
3.5 tons	290 CFM/ton	1040 / 1151	1068 / 1056	1075 / 941	1066 / 799	1046 / 607	290 CFM/ton	1039	1065	1071	1063	1045
	370 CFM/ton	1312 / 1343	1332 / 1264	1336 / 1174	1329 / 1068	1314 / 945	350 CFM/ton	1247	1266	1270	1263	1248
	400 CFM/ton	1408 / 1496	1425 / 1426	1429 / 1346	1423 / 1256	1410 / 1154	400 CFM/ton	1407	1423	1426	1421	1409
	450 CFM/ton	1565 / 1650	1579 / 1585	1584 / 1512	1580 / 1432	1569 / 1343	450 CFM/ton	1564	1578	1582	1578	1569
	400 CFM/ton	1186 / 1304	1208 / 1223	1213 / 1128	1206 / 1018	1189 / 887	290 CFM/ton	1185	1206	1210	1203	1187
4 tons	370 CFM/ton	1480 / 1514	1495 / 1444	1499 / 1365	1495 / 1277	1482 / 1177	350 CFM/ton	1407	1423	1426	1421	1409
	400 CFM/ton	1587 / 1689	1602 / 1625	1606 / 1554	1602 / 1475	1592 / 1399	400 CFM/ton	1587	1600	1604	1601	1592
	450 CFM/ton	1770 / 1873	1784 / 1813	1789 / 1747	1788 / 1675	1782 / 1597	450 CFM/ton	1770	1783	1788	1788	1782
	290 CFM/ton	1322 / 1431	1340 / 1358	1345 / 1274	1338 / 1179	1323 / 1069	290 CFM/ton	1321	1338	1342	1336	1322
	370 CFM/ton	1646 / 1667	1660 / 1602	1665 / 1530	1662 / 1451	1653 / 1363	350 CFM/ton	1564	1578	1582	1578	1569
4.5 tons **†	400 † CFM/ton	1770 / 1873	1784 / 1813	1789 / 1747	1788 / 1675	1781 / 1597	400 † CFM/ton	1770	1783	1788	1788	1782
	450 CFM/ton	1989 / 2099	2004 / 2042	2013 / 1980	2013 / 1913	2009 / 1842	450 CFM/ton	1989	2003	2011	2014	2011
	290 CFM/ton	1452 / 1557	1469 / 1489	1473 / 1413	1468 / 1327	1455 / 1231	290 CFM/ton	1452	1467	1471	1466	1454
	370 CFM/ton	1817 / 1826	1831 / 1765	1837 / 1698	1837 / 1624	1831 / 1544	350 CFM/ton	1723	1736	1741	1740	1734
	400 CFM/ton	1964 / 2073	1978 / 2015	1986 / 1953	1987 / 1886	1983 / 1814	400 CFM/ton	1964	1978	1985	1988	1985
5 tons	450 CFM/ton	2231 / 2347	2245 / 2292	2252 / 2233	2252 / 2171	2185 / 2104	450 CFM/ton	2232	2245	2252	2252	2186
	290 CFM/ton	1063 / 1188	1082 / 1056	1087 / 1008	1081 / 930	1024 / 941	290 CFM/ton	1063	1071	1071	1063	1045
	370 CFM/ton	1312 / 1343	1332 / 1264	1336 / 1174	1329 / 1068	1314 / 945	350 CFM/ton	1247	1266	1270	1263	1248
	400 CFM/ton	1408 / 1496	1425 / 1426	1429 / 1346	1423 / 1256	1410 / 1154	400 CFM/ton	1407	1423	1426	1421	1409
	450 CFM/ton	1565 / 1650	1579 / 1585	1584 / 1512	1580 / 1432	1569 / 1343	450 CFM/ton	1564	1578	1582	1578	1569

- † 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

TAM8C060 Minimum Heating Airflow Settings

MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX			
MODEL NO.	BAYEVAC08BK1AA BAYEVAC05BK1AA BAYEVAC04LG1AA	BAYEVAC10BK1AA BAYEVAC10LG1AA	BAYEVBC15BK1AA BAYEVBC15LG3AA
TAM8C0C60V51CA	1063/1188	1129/1500	1250/1625
	1063/1500	1000/1188	1125/1563
	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											
TAM8C0A24V21CA											
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
BAYEVAC04++1	1	3.84	13100	16.0	24	25	2.88	9800	13.8	21	25
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	1	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	32	35	7.20	24600	20.0	28	30

Note: ** Motor Amps
 ① Heater not qualified for 208V when installed in horizontal left position without Heat Pump

Heater Attribute Data											
TAM8C0B30V21CA											
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
BAYEVAC04++1	1	3.84	13100	16.0	24	25	2.88	9800	13.8	21	25
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											
TAM8C0C36V31CA											
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
BAYEVAC04++1	1	3.84	13100	16.0	24	25	2.88	9800	13.8	21	25
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 BAYEVBC15BK1 - Circuit 2	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEVBC20BK1 - Circuit 1 ① BAYEVBC20BK1 - Circuit 2	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45

Note: ** Motor Amps
① MCA and MOP for circuit 1 contains the motor amps

Heater Attribute Data											
TAM8C0C42V31CA											
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
BAYEVAC04++1	1	3.84	13100	16.0	24	25	2.88	9800	13.8	21	25
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 BAYEVBC15BK1 - Circuit 2	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEVBC20BK1 - Circuit 1 ① BAYEVBC20BK1 - Circuit 2	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45

Note: ** Motor Amps
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											
TAM8C0C48V41CA											
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
BAYEVAC04++1	1	3.84	13100	16.0	25	25	2.88	9800	13.8	23	25
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
BAYEVC15LG3	1-3 PH	14.40	42000	34.6	48	50	10.80	36900	30.0	42	45
BAYEVC15BK1 - Circuit 1 ① BAYEVC15BK1 - 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
BAYEVC20BK1 - Circuit 1 ① BAYEVC20BK1 - 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											
TAM8C0C60V51CA											
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
BAYEVAC04++1	1	3.84	13100	16.0	27	30	2.88	9800	13.8	24	25
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
BAYEVC15LG3	1-3 PH	14.40	42000	34.6	49	50	10.80	36900	30.0	44	45
BAYEVC15BK1 - Circuit 1 ① BAYEVC15BK1 - 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
BAYEVC20BK1 - Circuit 1 ① BAYEVC20BK1 - 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.



Electrical Data

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

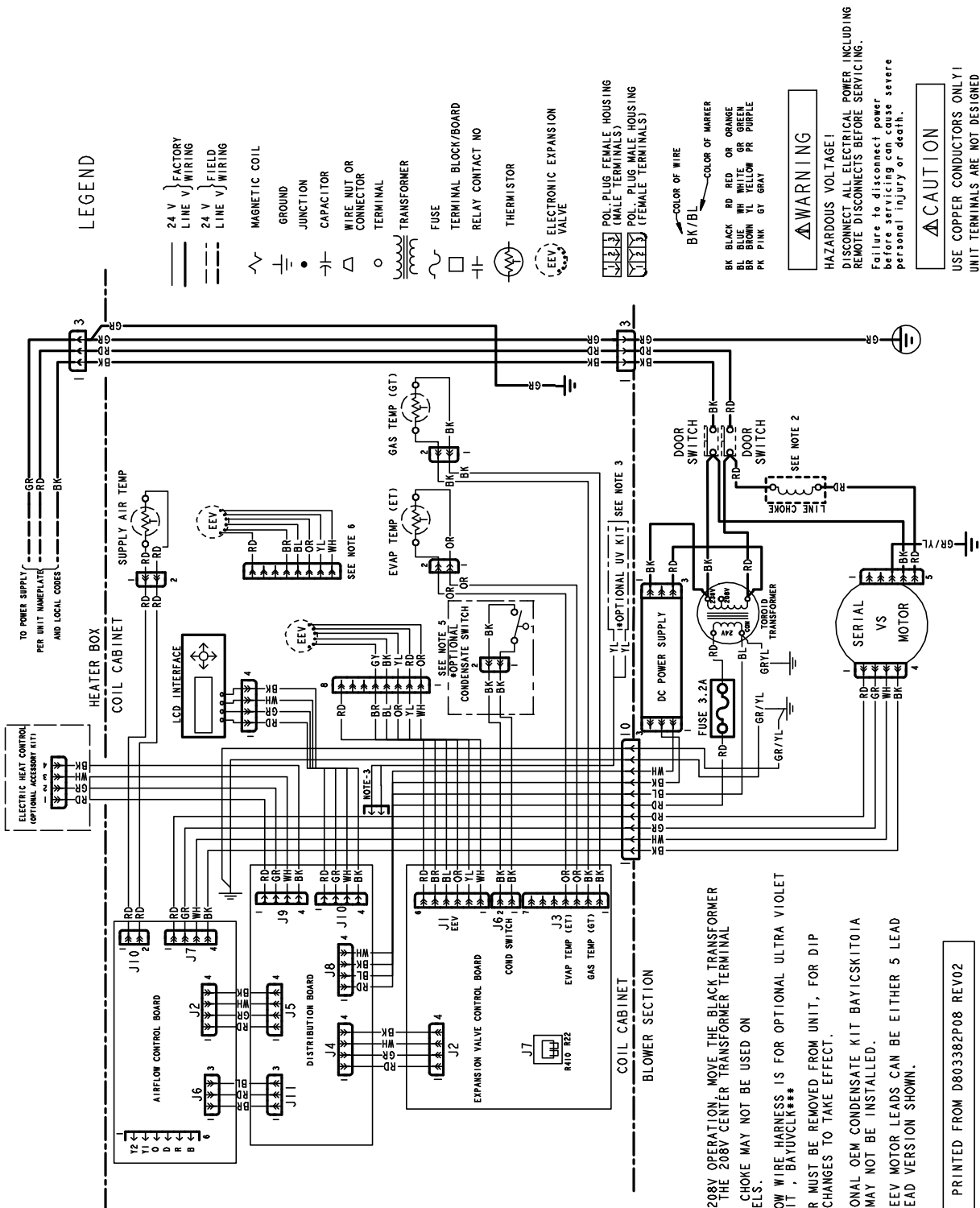
TAM8 AIR HANDLER AND HEATER MATRIX - ALLOWABLE COMBINATIONS

APPROVED AIR HANDLER - HEATER COMBINATIONS											
AIR HANDLER	HEATER MODEL NUMBER BAYEV-										
MODEL NUMBER	AC04BK1AA 3.84 Kw BK	AC04LG1AA 3.84 Kw LG	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
TAM8C0A24V21CA	Y	Y	Y	Y	Y	Y	Y ^⓪	Y ^⓪	-	-	-
TAM8C0B30V21CA	Y	Y	Y	Y	Y	Y	Y	Y	Y	-	-
TAM8C0C36V31CA	Y	Y	Y	Y	Y	Y	Y	Y	Y	-	-
TAM8C0C42V31CA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	-
TAM8C0C48V41CA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
TAM8C0C60V51CA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ^⓪

^⓪ 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
TAM8C0A24V21CA	Y	-
TAM8C0B30V21CA	Y	Y
TAM8C0C36V31CA	Y	Y
TAM8C0C42V31CA	Y	Y
TAM8C0C48V41CA	Y	Y
TAM8C0C60V51CA	Y	Y

WIRING DIAGRAM FOR TAM8 AIR HANDLERS



LEGEND

- 24 V } FACTORY LINE V } WIRING
- - - 24 V } FIELD LINE V } WIRING
- ~ MAGNETIC COIL
- ⊥ GROUND
- JUNCTION
- ⏏ CAPACITOR
- ⏏ WIRE NUT OR CONNECTOR
- TERMINAL
- ⏏ TRANSFORMER
- ⏏ FUSE
- ⏏ TERMINAL BLOCK/BOARD
- ⏏ RELAY CONTACT NO
- ⏏ THERMISTOR
- ⏏ ELECTRONIC EXPANSION VALVE

- ⏏ POL. PLUG FEMALE HOUSING (MALE TERMINALS)
- ⏏ POL. PLUG MALE HOUSING (FEMALE TERMINALS)

- ← COLOR OF WIRE
- BK/BL
 - BK BLACK
 - RD RED
 - OR ORANGE
 - WH WHITE
 - GR GREEN
 - BLK BLK
 - WH WH
 - OR OR
 - PR PURPLE
 - PK PINK
 - GY GRAY

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, BAYUCLN**
 4. POWER MUST BE REMOVED FROM UNIT, FOR DIP SWITCH CHANGES TO TAKE EFFECT.
 5. OPTIONAL OEM CONDENSATE KIT BAYICSKIT01A MAY OR MAY NOT BE INSTALLED.
 6. THE EEV MOTOR LEADS CAN BE EITHER 5 LEAD OR 6 LEAD VERSION SHOWN.

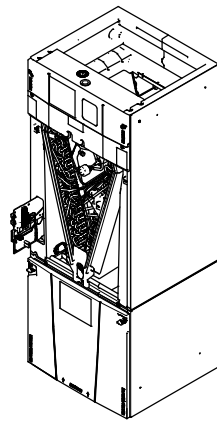
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Field Wiring

TAM8 Fully Communicating System



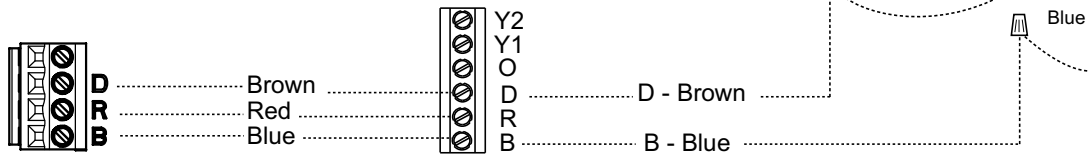
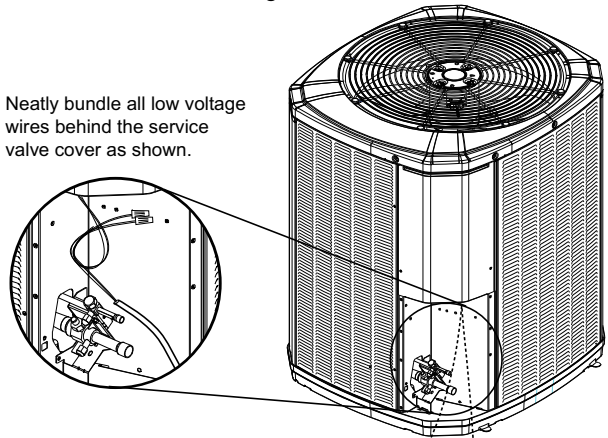
Comfort Control



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.

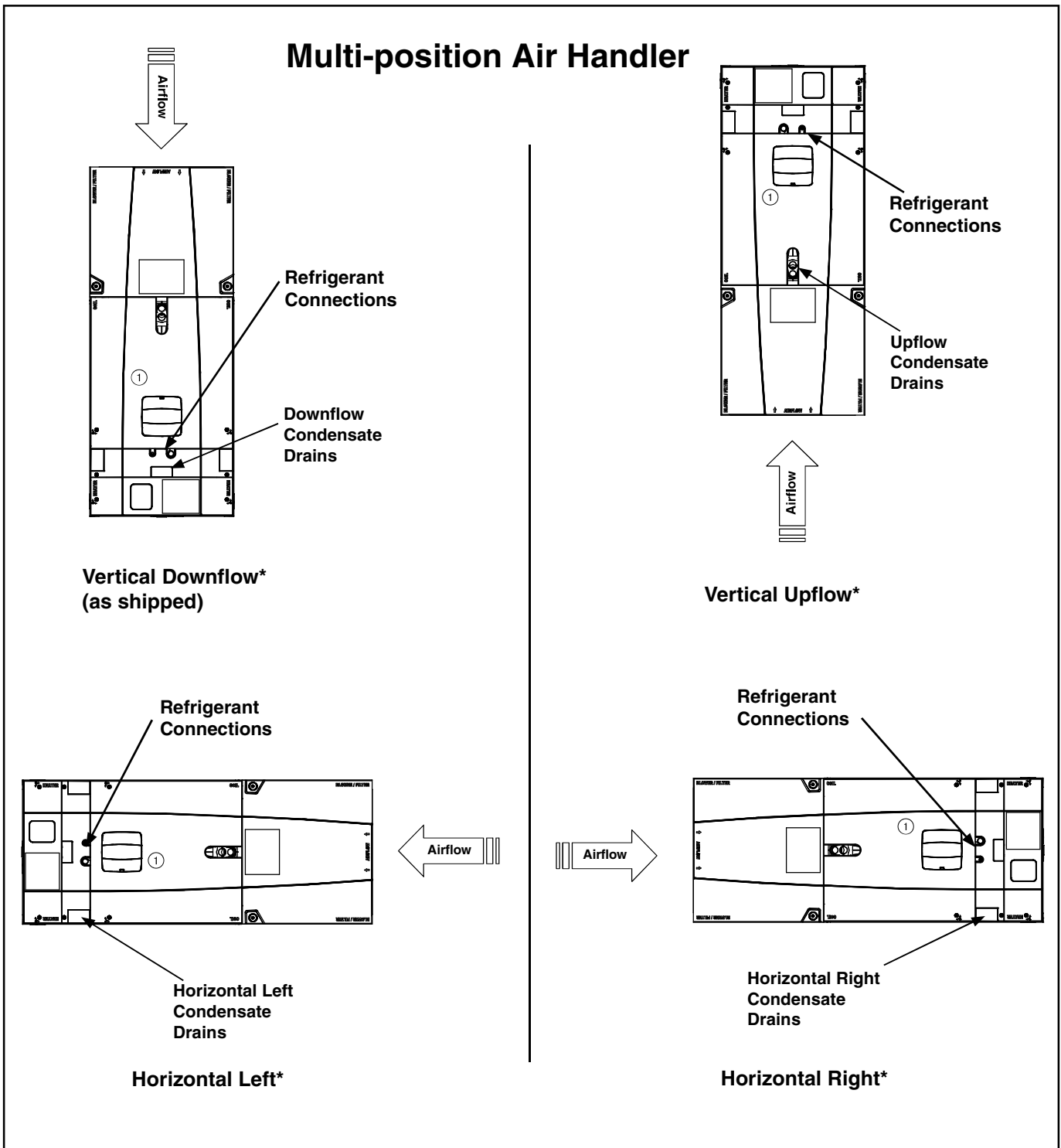


TRANE®

TAM8 Convertibility

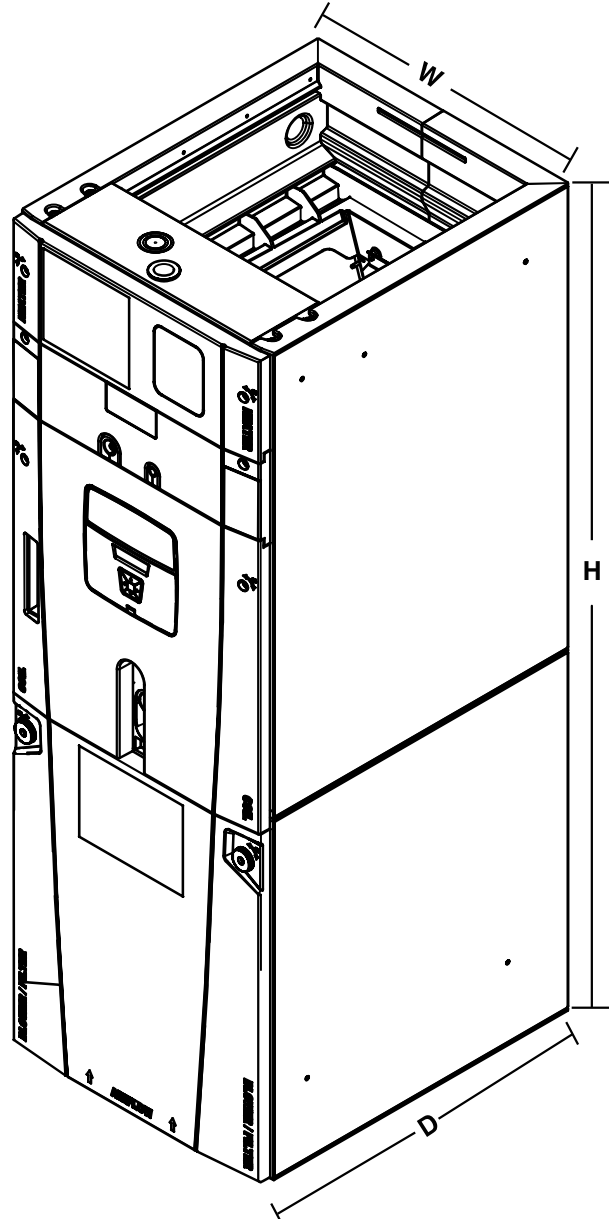
* Note: No internal modifications required for any position.

① Badge rotation will keep brand in correct position



Dimensions

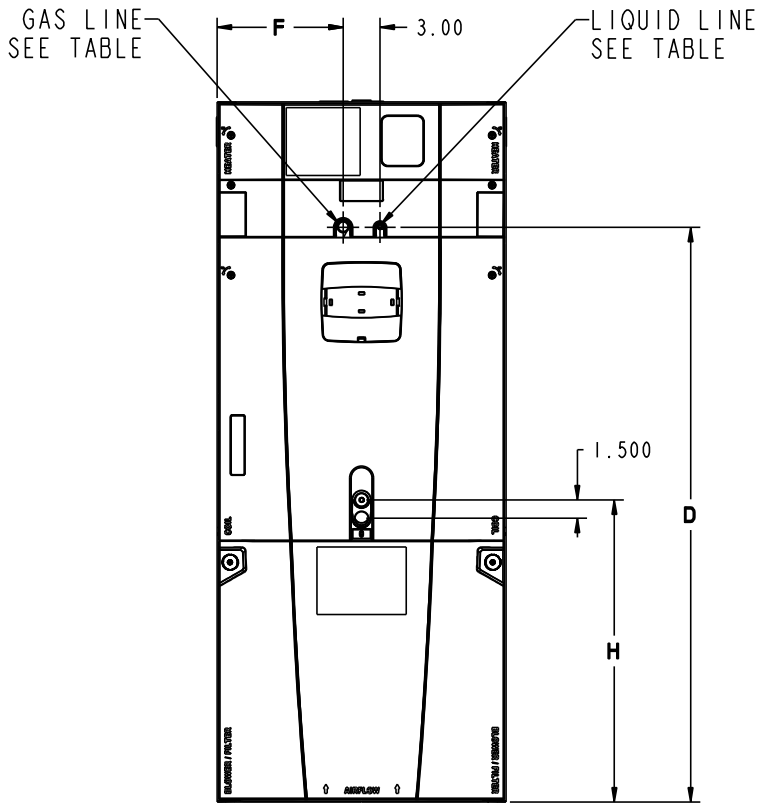
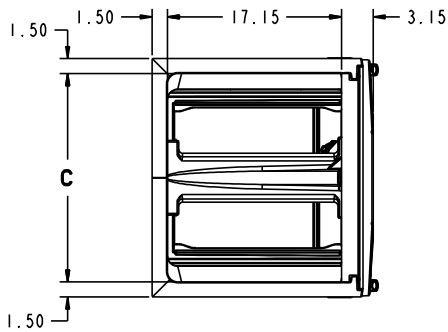
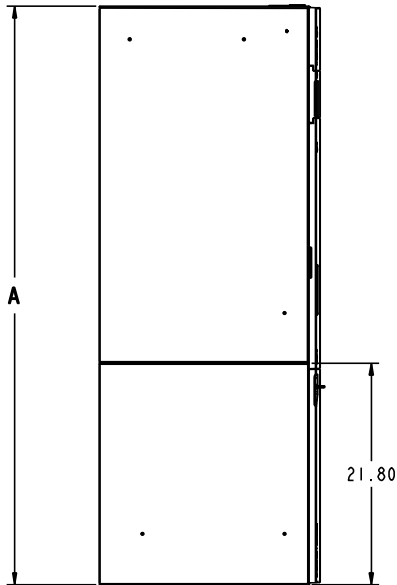
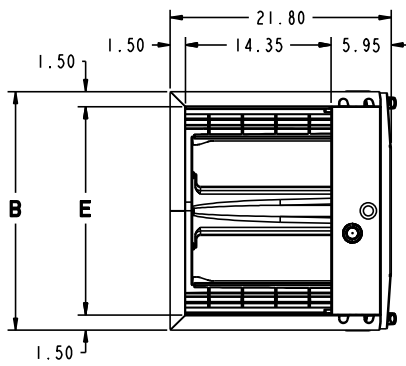
TAM8 AIR HANDLER DIMENSIONAL DATA



Model No.	H	W	D
TAM8C0A24V21CA	49.9	17.5	21.75
TAM8C0B30V21CA	55.7	21.3	21.75
TAM8C0C36V31CA	56.9	23.5	21.75
TAM8C0C42V31CA	56.9	23.5	21.75
TAM8C0C48V41CA	61.7	23.5	21.75
TAM8C0C60V51CA	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
TAM8C0A24V21CA	49.9	17.5	14.5	39.6	14.5	7.3	24.4	EEV	3/4	3/8
TAM8C0B30V21CA	55.7	21.3	18.4	45.5	18.4	9.2	24.8	EEV	3/4	3/8
TAM8C0C36V31CA	56.9	23.5	20.5	46.7	20.5	10.3	24.2	EEV	7/8	3/8
TAM8C0C42V31CA	56.9	23.5	20.5	46.7	20.5	10.3	24.5	EEV	7/8	3/8
TAM8C0C48V41CA	61.7	23.5	20.5	51.5	20.5	10.3	24.9	EEV	7/8	3/8
TAM8C0C60V51CA	61.7	23.5	20.5	51.5	20.5	10.3	24.9	EEV	7/8	3/8





10/13

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.