

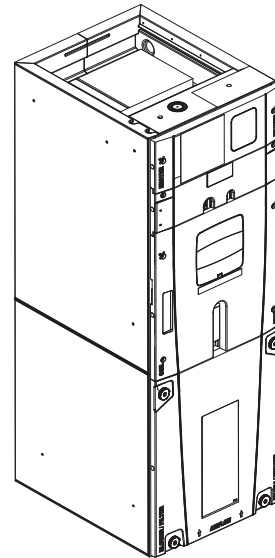
BUILT TO A HIGHER STANDARD™

American Standard®
HEATING & AIR CONDITIONING

Product Data

Variable Speed Air Handlers with Epoxy Coated Coil 2 – 5 Ton

5TAMXB02AV21DA
5TAMXC03AV31DA
5TAMXD04AV31DA
5TAMXD05AV41DA
5TAMXD06AV41DA
5TAMXD07AV51DA



The Diagnostics Mobile App is available by scanning a QR code located inside this unit or by searching for the Link Diagnostics App in your App Store.

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

Note: For use with BAYEA series heaters ONLY.

Note: This unit can be used in Link Communicating mode or 24 volt mode.

Note: Need to use Diagnostics App to configure blower delays and accessories etc., in 24 volt mode.

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
- Link™ Communicating or 24V Control
- Side return option (sold as accessory)
- Pre-marked Conduit Connection Locations
- 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
- 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
- **5 Year Warranty**
- **10 Year Warranty Registered**
- **Optional Extended Warranty Available**

Optional Accessories

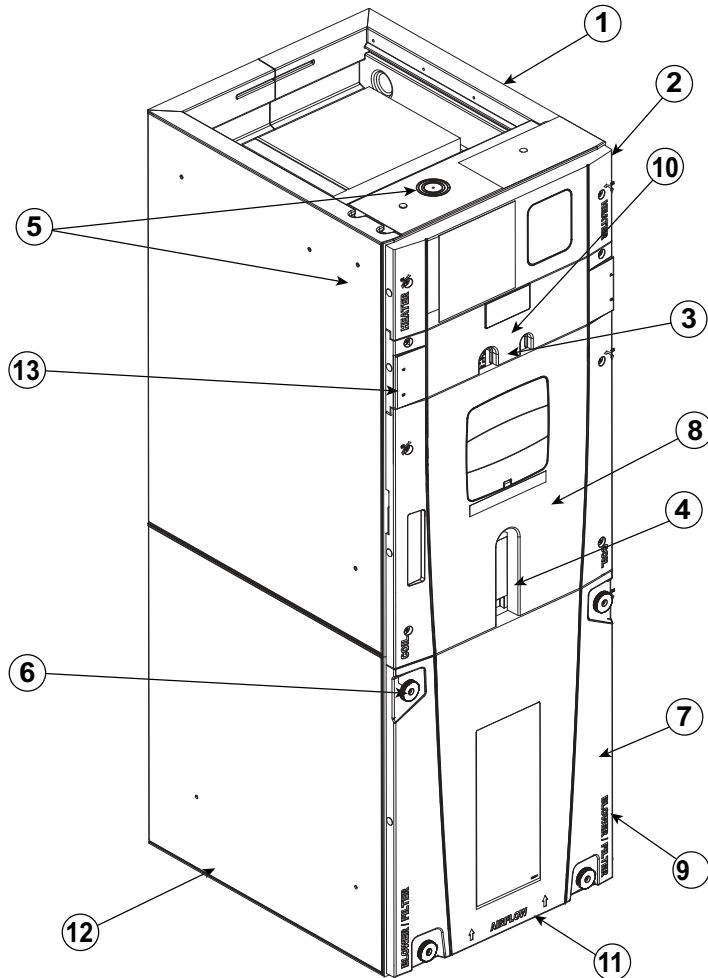
Accessory Number	Description	Fits Cabinet Width
BAYEA(AC/13)04BK1 (a)	Electric Heater, 4kW, Breaker, 24V Control, 1 Ph	17.5", 21.0", 23.5"
BAYEA(AC/13)04LG1 (a)	Electric Heater, 4kW, Lugs, 24V Control, 1 Ph	17.5", 21.0", 23.5"
BAYEA(AC/13)05BK1 (a)	Electric Heater, 5kW, Breaker, 24V Control, 1 Ph	17.5", 21.0", 23.5"
BAYEA(AC/13)05LG1 (a)	Electric Heater, 5kW, Lugs, 24V Control, 1 Ph	17.5", 21.0", 23.5"
BAYEA(AC/13)08BK1 (a)	Electric Heater, 8kW, Breaker, 24V Control, 1 Ph	17.5", 21.0", 23.5"
BAYEA(AC/13)08LG1 (a)	Electric Heater, 8kW, Lugs, 24V Control, 1 Ph	17.5", 21.0", 23.5"
BAYEA(AC/13)10BK1 (a)	Electric Heater, 10kW, Breaker, 24V Control, 1 Ph	17.5", 21.0", 23.5"
BAYEA(AC/13)10LG1 (a)	Electric Heater, 10kW, Lugs, 24V Control, 1 Ph	17.5", 21.0", 23.5"
BAYEA(AC/13)10LG3 (a)	Electric Heater, 10kW, Lugs, 24V Control, 3 Ph	17.5", 21.0", 23.5"
BAYEA(BC/23)15BK1 (a)	Electric Heater, 15kW, Breaker, 24V Control, 1 Ph	21.0", 23.5"
BAYEA(BC/23)15LG3 (a)	Electric Heater, 15kW, Lugs, 24V Control, 3 Ph	21.0", 23.5"
BAYEA(BC/23)20BK1(a)	Electric Heater, 20kW, Breaker, 24V Control, 1 Ph	21.0", 23.5"
BAYEA(CC/33)25BK1 (a)	Electric Heater, 25kW, Breaker, 24V Control, 1 Ph	23.5"
BAYSUPFLGAA	Supply Duct Flange 17.5"	17.5"
BAYSUPFLGBA	Supply Duct Flange 21.0"	21.0"
BAYSUPFLGCA	Supply Duct Flange 23.5"	23.5"
BAYRETLGAA	Return Duct Flange 17.5"	17.5"
BAYRETLGBA	Return Duct Flange 21.0"	21.0"
BAYRETLGCA	Return Duct Flange 23.5"	23.5"
BAYSRKIT100A	Side Return Kit	17.5", 21.0", 23.5"
BAYFLR1620A	High Velocity Filter Kit, 16" X 20' X 1" (10 filters)	17.5"
BAYFLR2020A	High Velocity Filter Kit, 20" X 20' X 1" (10 filters)	21.0"
BAYFLR2220A	High Velocity Filter Kit, 22" X 20' X 1" (10 filters)	23.5"
TASB175SB (b) (c)	Plenum Stand with Integrated Sound Baffle 17.5"	17.5"
TASB215SB	Plenum Stand with Integrated Sound Baffle 21.0"	21.0"
TASB235SB	Plenum Stand with Integrated Sound Baffle 23.5"	23.5"
BAYFRKIT175	Front Return Kit for 17.5" Cabinet	17.5"
BAYFRKIT210	Front Return Kit for 21.0" Cabinet	21.0"
BAYFRKIT235	Front Return Kit for 23.5" Cabinet	23.5"
TAYBASETAMA	Downflow Sub-Base Kit	17.5", 21.0", 23.5"
BAYBAFKT175 (d)	Sound Baffle Kit for 17.5" Cabinet	17.5"
BAYBAFKT215 (d)	Sound Baffle Kit for 21.0" Cabinet	21.0"
BAYBAFKT235 (d)	Sound Baffle Kit for 23.5" Cabinet	23.5"
TASSBK175 (b)(e) (f)	Sound Baffle Kit for 17.5" Cabinet	17.5"
TASSBK215 (b)(e)(f)	Sound Baffle Kit for 21.0" Cabinet	21.0"
TASSBK235 (b)(e)(f)	Sound Baffle Kit for 23.5" Cabinet	23.5"

Optional Accessories

Accessory Number	Description	Fits Cabinet Width
BAYICKSKIT01A	Internal Condensate Switch Kit	17.5", 21.0", 23.5"
BAYHHKIT001A	Horizontal Hanger Kit	17.5", 21.0", 23.5"
BAYUCLK001A	UVC Lights	17.5", 21.0", 23.5"
BAYLVKIT100A	Low Voltage Conduit Entry Kit	17.5", 21.0", 23.5"
BAYSPEKT200A	Single Point Power Entry Kit	21.0", 23.5"
BAYWA(AA/17)05SC1AA ^(a)	Hydronic heater, 17.5" cabinet, no control, slide-in	17.5"
BAYWA(BB/21)07SC1AA ^(a)	Hydronic heater, 21.0" cabinet, no control, slide-in	21.0"
BAYWA(CC/23)08SC1AA ^(a)	Hydronic heater, 23.5" cabinet, no control, slide-in	23.5"
BAYWA(CC/23)11SC1AA ^(a)	Hydronic heater, 23.5" cabinet, no control, external	23.5"
BAYWACNTKT05	Relay Kit for use with BAYWAAA05SC1A	17.5"
BAYWACNTKT07	Relay Kit for use with BAYWABB07SC1A	21.0"
BAYWACNTKT08	Relay Kit for use with BAYWACC08SC1A	23.5"
BAYWACNTKT11	Relay Kit for use with BAYWACC11SC1A	23.5"
BAYINSKT175A	Solcoustic® Liner Kit - 17.5" Cabinet	17.5"
BAYINSKT215A	Solcoustic® Liner Kit - 21.5" Cabinet	21.0"
BAYINSKT235A	Solcoustic® Liner Kit - 23.5" Cabinet	23.5"
BAYCNDPIP01A	3/4" PVC Threaded Pipe Kit Foam Seal (10 per box)	17.5", 21.0", 23.5"
BAYSENSC360	Supply Air Temperature Sensor	17.5", 21.0", 23.5"

- (a) Model number may have either of the pairs of characters in parenthesis.
 (b) Contact your distributor for information.
 (c) In open air applications, the plenum stand with sound baffle provides sound reduction.
 (d) Mounts inside air handler filter channel.
 (e) In return plenum applications, use TASSBK for sound reduction.
 (f) Mounts to TASB original plenum stand without integrated baffle.

Unique Cabinet Design Features and Benefits



1	Unique Cabinet Design
	— Double wall foamed cabinet system
	— Waterproof Cabinet Design
	— R-4.2 Insulating Value (Avg 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	Vortica™ Blower and Deck
	— Polarized Plug on Blower
8	All Aluminum Coil
	— Integrated Slide Deck for Easy Removal
	— Polarized Plug connections on Coil EEV
	— Patented Enhanced Coil Fin
9	Labeled Panels and Connections
10	Electronic Expansion Valve (EEV)
	— Low Ambient and Low Superheat Protection
11	Maximum width is 23.5"
12	Compact 20.8" Depth with Doors Removed
13	Integrated Horizontal Drain Pans

Product Specifications

MODEL	5TAMXB02AV21DA	5TAMXC03AV31DA	5TAMXD04AV31DA
Family Description	R-454B Variable Speed Air Handler with Epoxy Coated Coil	R-454B Variable Speed Air Handler with Epoxy Coated Coil	R-454B Variable Speed Air Handler with Epoxy Coated Coil
Description	R-454B Variable Speed Air Handler with Epoxy Coated Coil, Epoxy Coated All-Aluminum Plate Fin Coil, 4-Way Poise, Link Communicating or 24V System Control, 208-230/1/60, 18K - 24K BTUH Capacity	R-454B Variable Speed Air Handler with Epoxy Coated Coil, Epoxy Coated All-Aluminum Plate Fin Coil, 4-Way Poise, Link Communicating or 24V System Control, 208-230/1/60, 18K - 30K BTUH Capacity	R-454B Variable Speed Air Handler with Epoxy Coated Coil, Epoxy Coated All-Aluminum Plate Fin Coil, 4-Way Poise, Link Communicating or 24V System Control, 208-230/1/60, 24K - 42K BTUH Capacity
Application Configuration	4-Way	4-Way	4-Way
RATED CAPACITY RANGE (BTUH)	18K - 24K	18K - 30K	24K - 42K
SYSTEM CONTROL TYPE	Link Communicating or 24V	Link Communicating or 24V	Link Communicating or 24V
POWER CONN. - V/PH/HZ	208-230/1/60	208-230/1/60	208-230/1/60
Max Breaker Size, Without Electric Heater (Amps)	15	15	15
Max Breaker Size, With Electric Heater (Amps) ^(a) ^(b)	60	60	60
Name Plate	See the name plate	See the name plate	See the name plate
COIL TYPE	Epoxy Coated All-Aluminum Plate Fin	Epoxy Coated All-Aluminum Plate Fin	Epoxy Coated All-Aluminum Plate Fin
Refrigerant Type	R-454B	R-454B	R-454B
Refrigerant Control	EEV	EEV	EEV
Refrigerant Line Connection - Gas (in.)	3/4	3/4	7/8
Refrigerant Line Connection - Liquid (in.)	3/8	3/8	3/8
BLOWER TYPE	Direct Drive Centrifugal	Direct Drive Centrifugal	Direct Drive Centrifugal
Configuration	Blow Through	Blow Through	Blow Through
Dimensions (Diameter x Width (in.))	11 x 8	11 x 10	11 x 10
Motor Type	Variable Speed	Variable Speed	Variable Speed
Nominal CFM ^(c)	800	1000	1200
Speed (RPM)	1050	1050	1050
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
Full Load Amps	3.9	3.9	3.9
FILTER RACK (YES, NO)	Yes	Yes	Yes
Dimensions (Length x Width (in.))	16 x 20 x 1	20 x 20 x 1	22 x 20 x 1
DUCT CONNECTIONS	L x W	L x W	L x W
Supply (in.)	14.5 x 14.35	18.4 x 14.35	20.5 x 14.35
Return (in.)	14.5 x 17.15	18.4 x 17.15	20.5 x 17.15
DRAIN CONN. SIZE (IN.)	3/4 NPT	3/4 NPT	3/4 NPT
DIMENSIONS	H x W x D	H x W x D	H x W x D
Uncrated (in.)	49-7/8 x 17-1/2 x 21-3/4	55-3/4 x 21-1/4 x 21-3/4	56-7/8 x 23-1/2 x 21-3/4
Crated (in.)	51-3/8 x 20-1/2 x 25-3/4	57-1/4 x 24-1/4 x 25-3/4	58-1/2 x 27-1/2 x 25-3/4
WEIGHT - SHIPPING/NET (LBS.)	126/120	150/142	163/153

^(a) Maximum overcurrent protection is dependent on which electric heater is installed. See Installation, Operation, and Maintenance manual or unit name plate.

^(b) For CFM versus external static pressure (in. w.c.), refer to Installation, Operation, and Maintenance manual.

^(c) If installing system outside of the United States, accessory electric heaters may not be installed.

Product Specifications

MODEL	5TAMXD05AV41DA	5TAMXD06AV41DA	5TAMXD07AV51DA
Family Description	R-454B Variable Speed Air Handler with Epoxy Coated Coil	R-454B Variable Speed Air Handler with Epoxy Coated Coil	R-454B Variable Speed Air Handler with Epoxy Coated Coil
Description	R-454B Variable Speed Air Handler with Epoxy Coated Coil, Epoxy Coated All-Aluminum Plate Fin Coil, 4-Way Poise, Link Communicating or 24V System Control, 208-230/1/60, 36K - 48K BTUH Capacity	R-454B Variable Speed Air Handler with Epoxy Coated Coil, Epoxy Coated All-Aluminum Plate Fin Coil, 4-Way Poise, Link Communicating or 24V System Control, 208-230/1/60, 42K - 60K BTUH Capacity	R-454B Variable Speed Air Handler with Epoxy Coated Coil, Epoxy Coated All-Aluminum Plate Fin Coil, 4-Way Poise, Link Communicating or 24V System Control, 208-230/1/60, 42K - 60K BTUH Capacity
Application Configuration	4-Way	4-Way	4-Way
RATED CAPACITY RANGE (BTUH)	36K - 48K	42K - 60K	42K - 60K
SYSTEM CONTROL TYPE	Link Communicating or 24V	Link Communicating or 24V	Link Communicating or 24V
POWER CONN. - V/PH/HZ	208-230/1/60	208-230/1/60	208-230/1/60
Max Breaker Size, Without Electric Heater (Amps)	15	15	15
Max Breaker Size, With Electric Heater (Amps) ^(a) ^(b)	60	60	60
Name Plate	See the name plate	See the name plate	See the name plate
COIL TYPE	Epoxy Coated All-Aluminum Plate Fin	Epoxy Coated All-Aluminum Plate Fin	Epoxy Coated All-Aluminum Plate Fin
Refrigerant Type	R-454B	R-454B	R-454B
Refrigerant Control	EEV	EEV	EEV
Refrigerant Line Connection - Gas (in.)	7/8	7/8	7/8
Refrigerant Line Connection - Liquid (in.)	3/8	3/8	3/8
BLOWER TYPE	Direct Drive Centrifugal	Direct Drive Centrifugal	Direct Drive Centrifugal
Configuration	Blow Through	Blow Through	Blow Through
Dimensions (Diameter x Width (in.))	11 x 10	11 x 10	11 x 10
Motor Type	Variable Speed	Variable Speed	Variable Speed
Nominal CFM ^(c)	1400	1600	2000
Speed (RPM)	1050	1050	1050
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
Full Load Amps	3.9	5.7	6.9
FILTER RACK (YES, NO)	Yes	Yes	Yes
Dimensions (Length x Width (in.))	22 x 20 x 1	22 x 20 x 1	22 x 20 x 1
DUCT CONNECTIONS	L x W	L x W	L x W
Supply (in.)	20.5 x 14.35	20.5 x 14.35	20.5 x 14.35
Return (in.)	20.5 x 17.15	20.5 x 17.15	20.5 x 17.15
DRAIN CONN. SIZE (IN.)	3/4 NPT	3/4 NPT	3/4 NPT
DIMENSIONS	H x W x D	H x W x D	H x W x D
Uncrated (in.)	61-3/4 x 23-1/2 x 21-3/4	61-3/4 x 23-1/2 x 21-3/4	61-3/4 x 23-1/2 x 21-3/4
Crated (in.)	63-1/4 x 27-1/2 x 25-3/4	63-1/4 x 27-1/2 x 25-3/4	63-1/4 x 27-1/2 x 25-3/4
WEIGHT - SHIPPING/NET (LBS.)	174/164	176/166	180/170

(a) Maximum overcurrent protection is dependent on which electric heater is installed. See Installation, Operation, and Maintenance manual or unit name plate.

(b) For CFM versus external static pressure (in. w.c.), refer to Installation, Operation, and Maintenance manual.

(c) If installing system outside of the United States, accessory electric heaters may not be installed.

5TAMX Air Flow Performance Tables

5TAMXB02AV21DA 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											
1.5 tons	290 CFM/ton	CFM	407 / 546	430 / 403	398 / NA	347 / NA	255 / NA	290 CFM/ton	CFM	416	426	401	330	291										
	350 CFM/ton	Watts	22 / 40	51 / 48	77 / NA	103 / NA	133 / NA	350 CFM/ton	Watts	22	49	76	101	134										
	400 CFM/ton	CFM	534 / 630	549 / 531	542 / 360	509 / NA	445 / NA	400 CFM/ton	CFM	532	550	542	507	434										
	450 CFM/ton	Watts	39 / 57	71 / 68	103 / 73	132 / NA	156 / NA	450 CFM/ton	Watts	37	69	101	129	152										
	290 CFM/ton	CFM	617 / 697	633 / 617	632 / 501	604 / NA	559 / NA	290 CFM/ton	CFM	660	680	679	658	614										
	350 CFM/ton	Watts	54 / 72	90 / 86	125 / 96	156 / NA	181 / NA	350 CFM/ton	Watts	62	99	136	169	197										
2 tons †	450 CFM/ton	CFM	691 / 762	710 / 693	707 / 602	688 / 478	649 / NA	450 CFM/ton	CFM	690	710	709	690	651										
	290 CFM/ton	Watts	72 / 91	111 / 106	148 / 119	183 / 127	212 / NA	290 CFM/ton	Watts	69	108	145	180	208										
	350 CFM/ton	CFM	593 / 680	613 / 595	607 / 470	583 / 208	527 / 132	350 CFM/ton	CFM	593	613	608	582	527										
	400 † CFM/ton	Watts	54 / 68	85 / 81	119 / 90	150 / 94	175 / 138	400 † CFM/ton	Watts	48	82	116	147	172										
	290 CFM/ton	CFM	717 / 783	733 / 717	733 / 632	714 / 519	678 / 355	290 CFM/ton	CFM	714	734	734	716	679										
	450 † CFM/ton	Watts	79 / 98	118 / 114	157 / 127	192 / 136	222 / 143	450 † CFM/ton	Watts	75	115	153	189	218										
2.5 tons	350 CFM/ton	CFM	810 / 868	827 / 811	827 / 740	813 / 652	782 / 543	350 CFM/ton	CFM	862	881	884	874	849										
	400 † CFM/ton	Watts	108 / 128	152 / 146	194 / 161	233 / 173	265 / 182	400 † CFM/ton	Watts	122	168	213	254	290										
	290 CFM/ton	CFM	903 / 954	918 / 902	920 / 839	909 / 764	884 / 674	290 CFM/ton	CFM	899	917	921	912	889										
	350 CFM/ton	Watts	144 / 165	192 / 182	238 / 201	280 / 215	316 / 224	350 CFM/ton	Watts	136	184	231	273	310										
	290 CFM/ton	CFM	741 / 820	757 / 759	757 / 681	739 / 582	705 / 452	290 CFM/ton	CFM	738	757	758	742	707										
	350 CFM/ton	Watts	86 / 110	126 / 127	166 / 141	202 / 152	232 / 159	350 CFM/ton	Watts	81	122	162	198	229										
2.5 tons	400 CFM/ton	CFM	880 / 947	896 / 895	896 / 832	885 / 757	859 / 665	400 CFM/ton	CFM	876	895	898	888	864										
	450 CFM/ton	Watts	134 / 162	182 / 181	226 / 198	267 / 211	302 / 221	450 CFM/ton	Watts	127	174	220	261	297										
	290 CFM/ton	CFM	996 / 1059	1011	1014 / 954	1006 / 887	985 / 807	290 CFM/ton	CFM	1064	1083	1089	1084	1066										
	350 CFM/ton	Watts	188 / 220	241 / 240	291 / 257	336 / 271	375 / 280	350 CFM/ton	Watts	215	272	326	375	418										
	450 CFM/ton	CFM	1120 / 1180	1135 / 1134	1137 / 1081	1129 / 1019	1108 / 946	450 CFM/ton	CFM	1115	1133	1139	1133	1116										
	290 CFM/ton	Watts	260 / 297	319 / 317	373 / 334	422 / 347	463 / 355	290 CFM/ton	Watts	244	304	360	410	453										
3 tons	290 CFM/ton	CFM	875 / 943	891 / 891	892 / 891	880 / 751	854 / 659	290 CFM/ton	CFM	871	890	894	883	859										
	350 CFM/ton	Watts	132 / 160	179 / 179	224 / 196	265 / 209	300 / 218	350 CFM/ton	Watts	125	172	217	259	295										
	400 CFM/ton	CFM	1045 / 1106	1060 / 1059	1063 / 1004	1055 / 939	1035 / 862	400 CFM/ton	CFM	1040	1058	1064	1059	1041										
	450 CFM/ton	Watts	215 / 248	270 / 268	321 / 285	369 / 299	409 / 308	450 CFM/ton	Watts	202	257	310	358	401										
	290 CFM/ton	CFM	1200 / 1257	1212 / 1211	1212 / 1159	1200 / 1099	1129 / 1030	290 CFM/ton	CFM	1291	1302	1300	1220	1138										
	350 CFM/ton	Watts	315 / 354	376 / 374	432 / 390	480 / 402	481 / 409	350 CFM/ton	Watts	368	432	487	478	470										
3 tons	400 CFM/ton	CFM	1358 / 1403	1333 / 1359	1256 / 1308	1177 / 1251	1095 / 1187	400 CFM/ton	CFM	1355	1360	1286	1208	1128										
	450 CFM/ton	Watts	447 / 484	482 / 502	472 / 517	466 / 527	460 / 531	450 CFM/ton	Watts	422	483	476	468	462										
† Factory Setting - Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.															- Torque mode will reduce airflow when static is above approximately 0.3" water column. - All heating modes default to Constant CFM. - Cooling airflow values are with wet coil, no filter									
5TAMXB02AV21DA Minimum Heating Airflow Settings																								
MODEL NO.		BAYEAAC04BK1 BAYEAAC04LG1 BAYEAAC05BK1 BAYEAAC05LG1			BAYEAAC08BK1 BAYEAAC08LG1			BAYEAAC10BK1 BAYEAAC10LG1			BAYEAAC10LG3			BAYEABC15BK1			BAYEACB15LG3			BAYEABC20BK1				
TAMXB0A24		638/713			638/900			675/900			600/713			-			-			-				
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS																								

(a) Factory heating default setting is 430 CFM/ton

5TAMX Air Flow Performance Tables

5TAMXC03AV31DA 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										
	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										
2 tons †	400 † CFM/ton	CFM Watts	822 / 898 66 / 81	824 / 792 107 / 101	817 / 657 149 / 112	811 / NA 191 / NA	797 / NA 231 / NA	400 (a) CFM/ton	CFM Watts	817 63	815 103	811 145	801 186	788 226										
	450 CFM/ton	CFM Watts	910 / 982 85 / 102	916 / 884 131 / 123	916 / 763 178 / 136	914 / 610 226 / 140	904 / NA 270 / NA	450 CFM/ton	CFM Watts	902 80	907 126	908 172	904 219	895 263										
	290 CFM/ton	CFM Watts	755 / 860 54 / 73	753 / 749 92 / 91	742 / 606 130 / 102	732 / 397 168 / 104	712 / NA 205 / NA	290 CFM/ton	CFM Watts	753 52	745 88	735 126	723 164	706 201										
	350 CFM/ton	CFM Watts	887 / 985 80 / 102	893 / 887 125 / 124	891 / 767 170 / 137	888 / 614 217 / 141	876 / NA 260 / NA	350 CFM/ton	CFM Watts	881 75	884 120	884 165	879 210	868 253										
	400 CFM/ton	CFM Watts	998 / 1094 107 / 134	1010 / 1003 160 / 158	1017 / 895 213 / 173	1018 / 765 266 / 179	1008 / NA 315 / NA	400 CFM/ton	CFM Watts	989 100	1001 152	1008 205	1000 257	1000 306										
	450 CFM/ton	CFM Watts	1116 / 1212 143 / 176	1135 / 1126 205 / 201	1147 / 1027 267 / 219	1148 / 911 325 / 221	1134 / NA 376 / NA	450 CFM/ton	CFM Watts	1104 133	1124 194	1136 255	1139 314	1128 366										
3 tons	290 CFM/ton	CFM Watts	883 / 981 79 / 101	888 / 882 124 / 122	887 / 762 169 / 136	881 / 608 214 / 140	870 / NA 257 / NA	290 CFM/ton	CFM Watts	877 74	880 118	879 164	874 208	863 252										
	350 CFM/ton	CFM Watts	1043 / 1140 120 / 150	1059 / 1051 177 / 174	1068 / 947 233 / 190	1069 / 823 288 / 197	1059 / NA 339 / NA	350 CFM/ton	CFM Watts	1034 112	1049 168	1058 224	1061 279	1053 330										
	400 CFM/ton	CFM Watts	1190 / 1304 170 / 203	1214 / 1221 238 / 231	1226 / 1126 304 / 251	1223 / 1016 364 / 261	1201 / 886 414 / 261	400 CFM/ton	CFM Watts	1177 157	1201 224	1215 291	1198 352	1198 403										
	450 CFM/ton	CFM Watts	1355 / 1471 241 / 282	1376 / 1391 318 / 311	1375 / 1302 386 / 333	1353 / 1201 441 / 345	1296 / 1086 472 / 345	450 CFM/ton	CFM Watts	1338 221	1363 299	1368 369	1350 427	1314 472										
	• Torque mode will reduce airflow when static is above approximately 0.35" water column.																							
• † Factory Setting																								
• Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.																								
• All heating modes default to Constant CFM.																								
• Cooling airflow values are with wet coil, no filter																								
5TAMXC03AV31DA Minimum Heating Airflow Settings																								
MODEL NO.	BAYEAAC04BK1	BAYEAAC08BK1	BAYEAAC10BK1	BAYEAAC10LG1	BAYEAAC10LG3	BAYEAAC15BK1	BAYEAAC15LG3																	
	BAYEAAC04LG1	BAYEAAC05BK1	BAYEAAC05LG1																					
TAMXB0B30	723/808	723/1020	765/1020	680/808	765/1063	850/1105																		
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE																								
-																								

- † 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

5TAMXC03AV31DA Minimum Heating Airflow Settings							
Cooling airflow values are with wet coil, no inlet							
MODEL NO.	BAYEAC04BK1 BAYEAC04LG1 BAYEAC05BK1 BAYEAC05LG1	BAYEAC08BK1 BAYEAC08LG1	BAYEAC10BK1 BAYEAC10LG1	BAYEAC10LG3	BAYEABC15BK1	BAYEABC15LG3	BAYEABC20BK1
TAMXB0B30	723/808	723/1020	765/1020	680/808	765/1063	850/1105	-
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE							

(a) Factory heating default setting is 430 CFM/ton

5TAMX Air Flow Performance Tables

5TAMXD04AV31DA AIRFLOW PERFORMANCE																			CONSTANT CFM MODE / CONSTANT TORQUE MODE									
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)					HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE																		
			0.1	0.3	0.5	0.7	0.9			0.1	0.3	0.5	0.7	0.9														
2 tons	290 CFM/ton	CFM Watts	605/747 31/48	573/565 59/58	553/306 88/62	548/NA 120/NA	546/NA 153/NA	290 CFM/ton	CFM Watts	606 31	574 58	557 87	551 119	549 152														
	370 CFM/ton	CFM Watts	755/880 50/70	745/738 85/85	737/575 121/93	738/367 160/97	735/NA 197/NA	350 CFM/ton	CFM Watts	720 43	705 77	695 111	694 148	691 184														
	400 CFM/ton	CFM Watts	810/929 58/80	804/797 97/96	800/650 136/106	802/478 176/111	802/231 216/120	400 CFM/ton	CFM Watts	810 56	805 95	800 134	803 174	802 214														
	450 CFM/ton	CFM Watts	900/1011 75/98	900/893 118/117	902/764 162/129	905/624 207/136	906/462 251/140	450 CFM/ton	CFM Watts	900 72	900 115	903 159	906 204	907 248														
	290 CFM/ton	CFM Watts	742/891 48/72	729/752 82/87	722/592 118/96	721/394 155/99	720/NA 193/NA	290 CFM/ton	CFM Watts	742 46	731 81	722 117	722 154	720 191														
2.5 tons	370 CFM/ton	CFM Watts	922/1055 80/109	923/942 124/128	927/820 170/142	930/690 215/150	931/546 260/154	350 CFM/ton	CFM Watts	877 68	877 110	876 152	880 196	880 239														
	400 CFM/ton	CFM Watts	989/1118 95/127	995/1012 143/148	1002/899 193/163	1008/779 242/173	1010/652 290/177	400 CFM/ton	CFM Watts	989 90	995 139	1000 188	1008 258	1008 285														
	450 CFM/ton	CFM Watts	1103/1228 125/162	1117/1131 181/185	1129/1028 238/203	1137/921 294/215	1137/809 346/221	450 CFM/ton	CFM Watts	1102 119	1116 175	1127 231	1137 288	1138 340														
	290 CFM/ton	CFM Watts	872/1009 70/97	871/890 111/116	871/761 154/128	874/620 197/135	874/457 240/139	290 CFM/ton	CFM Watts	871 67	872 109	871 151	874 195	875 237														
	370 + CFM/ton	CFM Watts	1089/1214 121/157	1102/1116 176/180	1114/1013 232/198	1121/905 287/209	1122/791 339/215	350 CFM/ton	CFM Watts	1033 101	1043 152	1051 204	1059 257	1061 307														
3 tons †	400 CFM/ton	CFM Watts	1175/1298 147/188	1193/1205 208/212	1208/1107 270/231	1215/1006 329/244	1211/899 382/251	400 (a) CFM/ton	CFM Watts	1171 139	1191 200	1205 262	1215 322	1212 376														
	450 CFM/ton	CFM Watts	1329/1447 204/253	1353/1361 276/279	1366/1270 345/299	1363/1176 406/313	1343/1077 456/321	450 CFM/ton	CFM Watts	1324 192	1349 264	1364 334	1364 396	1347 448														
	290 CFM/ton	CFM Watts	1002/1131 98/130	1009/1026 147/152	1017/914 198/167	1023/797 248/177	1024/671 296/182	290 CFM/ton	CFM Watts	997 92	1010 143	1016 197	1022 248	1027 293														
	370 CFM/ton	CFM Watts	1270/1391 181/227	1293/1302 249/252	1308/1210 316/272	1311/1113 377/286	1297/1012 429/293	350 CFM/ton	CFM Watts	1196 146	1217 210	1231 272	1241 334	1234 387														
	400 CFM/ton	CFM Watts	1383/1499 227/278	1407/1414 303/305	1416/1325 372/325	1406/1233 431/340	1380/1136 478/348	400 CFM/ton	CFM Watts	1379 214	1404 289	1415 360	1330 378	1390 473														
3.5 tons	450 CFM/ton	CFM Watts	1579/1669 326/375	1583/1587 402/402	1567/1502 464/423	1474/1413 475/437	1357/1320 468/444	450 CFM/ton	CFM Watts	1499 268	1508 342	1586 460	1504 478	1390 472														
† Factory Setting - Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.			- Torque mode will reduce airflow when static is above approximately 0.35" water column. - All heating modes default to Constant CFM. - Cooling airflow values are with wet coil, no filter																									
			5TAMXD04AV31DA Minimum Heating Airflow Settings																									
			MODEL NO.	BAYEAA04BK1 BAYEAA04LG1 BAYEAA05BK1 BAYEAA05LG1	BAYEAA08BK1 BAYEAA08LG1	BAYEAA10BK1 BAYEAA10LG1	BAYEAA10LG3	BAYEABC15BK1	BAYEABC15LG3	BAYEABC20BK1																		
TAMXB0C36	876/979	876/1236	927/1236	824/979	927/1288	1030/1339	1236/1442																					
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE																												

(a) Factory heating default setting is 420 CFM/ton

5TAMX Air Flow Performance Tables

5TAMXD05AV41DA 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 135 / 197	1169 / 1205 197 / 222	1178 / 1098 259 / 239	1181 / 981 319 / 248	1174 / 848 383 / 249	290 CFM/ton	CFM Watts	1157 147	1169 209	1177 271	1179 330	1174 383					
	370 CFM/ton	CFM Watts	1487 / 1618 288 / 359	1500 / 1534 369 / 389	1496 / 1445 441 / 411	1445 / 1350 481 / 425	1319 / 1248 470 / 429	350 CFM/ton	CFM Watts	1400 244	1416 322	1421 395	1411 458	1335 475					
	400 CFM/ton	CFM Watts	1616 / 1728 363 / 433	1614 / 1646 443 / 464	1543 / 1543 475 / 475	1423 / 1423 472 / 472	1301 / 1301 463 / 463	400 CFM/ton	CFM Watts	1615 363	1615 444	1545 474	1431 471	1313 462					
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					
	† 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												
		5TAMXD05AV41DA Minimum Heating Airflow Settings																	
		MODEL NO.	BAYEAA04BK1 BAYEAA04LG1 BAYEAA05BK1 BAYEAA05LG1	BAYEAA08BK1 BAYEAA08LG1	BAYEAAAC10BK1 BAYEAAAC10LG1	BAYEAAAC10LG3	BAYEAB0C15BK1	BAYEACB15LG3	BAYEABC20BK1										
	TAMXB0C42	978/1093	978/1380	1035/1380	920/1093	1035/1438	1150/1495	1380/1610											
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE																			

5TAMX Air Flow Performance Tables

5TAMXD06AV41DA AIRFLOW PERFORMANCE															CONSTANT CFM MODE / CONSTANT TORQUE MODE									
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)					HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE														
			0.1	0.3	0.5	0.7	0.9			0.1	0.3	0.5	0.7	0.9										
3 tons	290 CFM/ton	CFM Watts	894 / 1018 69 / 91	900 / 897 114 / 114	896 / 767 157 / 130	886 / 622 195 / 137	871 / 445 229 / 136	290 CFM/ton	CFM Watts	893 72	900 118	893 159	883 197	864 230										
	350 CFM/ton	CFM Watts	1067 / 1180 106 / 132	1073 / 1078 158 / 160	1072 / 972 208 / 180	1065 / 859 252 / 192	1053 / 738 292 / 194	350 CFM/ton	CFM Watts	1068 112	1073 164	1070 213	1062 257	1049 295										
	400 CFM/ton	CFM Watts	1205 / 1314 145 / 176	1212 / 1222 203 / 206	1213 / 1128 259 / 229	1208 / 1029 309 / 244	1199 / 926 354 / 249	400 CFM/ton	CFM Watts	1207 154	1212 212	1212 266	1206 315	1196 359										
	450 CFM/ton	CFM Watts	1343 / 1451 193 / 232	1352 / 1367 259 / 264	1355 / 1280 320 / 289	1353 / 1190 377 / 305	1346 / 1098 427 / 313	450 CFM/ton	CFM Watts	1344 206	1352 270	1354 331	1352 387	1344 436										
	290 CFM/ton	CFM Watts	1034 / 1149 98 / 123	1041 / 1044 149 / 150	1038 / 934 197 / 170	1031 / 817 240 / 181	1018 / 690 279 / 182	290 CFM/ton	CFM Watts	1034 103	1040 154	1037 202	1028 244	1014 281										
3.5 tons	350 CFM/ton	CFM Watts	1228 / 1336 152 / 185	1235 / 1246 212 / 215	1236 / 1153 268 / 238	1232 / 1056 319 / 253	1224 / 955 365 / 259	350 CFM/ton	CFM Watts	1229 162	1235 221	1236 276	1230 326	1220 371										
	400 CFM/ton	CFM Watts	1389 / 1498 212 / 253	1399 / 1415 280 / 286	1403 / 1331 343 / 311	1401 / 1244 402 / 328	1395 / 1154 455 / 336	400 CFM/ton	CFM Watts	1392 226	1400 293	1403 356	1400 413	1394 465										
	450 CFM/ton	CFM Watts	1558 / 1669 290 / 343	1570 / 1592 367 / 377	1575 / 1514 439 / 404	1575 / 1434 505 / 422	1568 / 1351 563 / 432	450 CFM/ton	CFM Watts	1561 310	1572 386	1576 457	1574 521	1567 577										
	290 CFM/ton	CFM Watts	1168 / 1298 133 / 170	1175 / 1205 191 / 200	1175 / 1109 244 / 223	1170 / 1010 293 / 237	1160 / 905 336 / 242	290 CFM/ton	CFM Watts	1168 141	1176 198	1174 251	1168 299	1157 341										
	350 † CFM/ton	CFM Watts	1389 / 1517 212 / 262	1399 / 1436 280 / 295	1403 / 1352 343 / 321	1401 / 1266 402 / 338	1395 / 1177 455 / 346	350 CFM/ton	CFM Watts	1392 226	1400 293	1403 356	1400 413	1394 465										
4 tons †	400 CFM/ton	CFM Watts	1583 / 1714 303 / 370	1595 / 1639 382 / 546	1601 / 1562 455 / 431	1600 / 1483 521 / 450	1593 / 1401 580 / 459	400 † CFM/ton	CFM Watts	1586 325	1597 402	1601 474	1599 538	1591 595										
	450 CFM/ton	CFM Watts	1790 / 1918 429 / 511	1800 / 184 8515 / 546	1808 / 1775 594 / 573	1793 / 1701 663 / 592	1698 / 1625 660 / 601	450 CFM/ton	CFM Watts	1794 459	1801 544	1800 620	1766 665	1667 655										
	290 CFM/ton	CFM Watts	1301 / 1429 177 / 222	1310 / 1344 241 / 253	1312 / 1256 300 / 278	1309 / 1165 355 / 294	1302 / 1071 404 / 302	290 CFM/ton	CFM Watts	1302 189	1310 252	1311 310	1309 355	1301 403										
	350 CFM/ton	CFM Watts	1558 / 1688 290 / 354	1570 / 1613 367 / 389	1575 / 1535 439 / 415	1575 / 1455 505 / 434	1568 / 1373 563 / 444	350 CFM/ton	CFM Watts	1557 290	1570 367	1575 439	1575 505	1569 563										
	400 CFM/ton	CFM Watts	1790 / 1918 429 / 511	1800 / 1848 515 / 546	1801 / 1775 594 / 573	1793 / 1701 663 / 592	1698 / 1625 660 / 601	400 CFM/ton	CFM Watts	1789 428	1799 515	1801 594	1794 663	1701 659										
4.5 tons**	450 CFM/ton	CFM Watts	2018 / 2018 605 / 605	1973 / 1973 656 / 656	1857 / 1857 645 / 645	1749 / 1749 637 / 637	1651 / 1651 631 / 631	450 CFM/ton	CFM Watts	2018 605	1975 656	1863 643	1757 634	1660 628										
	† Factory Setting ** Not an actual OD size Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower. Torque mode will reduce airflow when static is above approximately 0.4" water column.										• If the air handler is applied in downflow or horizontal configurations, the airflow should not exceed 2000 CFM. Airflow above 2000 CFM could result in water blow-off. • All heating modes default to Constant CFM. • Cooling airflow values are with wet coil, no filter													
5TAMXD06AV41DA Minimum Heating Airflow Settings																								
MODEL NO.	BAYEAC04BK1 BAYEAC04LG1 BAYEAC05BK1 BAYEAC05LG1	BAYEAC08BK1 BAYEAC08LG1	BAYEAC10BK1 BAYEAC10LG1	BAYEAC10LG3	BAYEABC15BK1	BAYEACB15LG3	BAYEACC20BK1	BAYEACC25BK1																
TAMXB0C48	1063 / 1188	1063 / 1500	1125 / 1500	1000 / 1188	1125 / 1563	1250 / 1625	1500 / 1750	1625 / 1813	WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE															

5TAMX Air Flow Performance Tables

5TAMXD07AV51DA 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	1040/1151	1068/1056	1075/941	1066/799	1046/607	290	CFM	1039	1065	1071	1063	1045														
	CFM/ton	Watts	94/119	151/148	203/168	247/175	283/165	CFM/ton	Watts	95	151	203	247	283														
	370	CFM	1312/1343	1332/1264	1336/1174	1329/1068	1314/945	350	CFM	1247	1266	1270	1263	1248														
	CFM/ton	Watts	171/178	236/210	296/235	349/250	392/251	CFM/ton	Watts	150	213	270	321	363														
	400	CFM	1408/1496	1425/1426	1429/1346	1423/1256	1410/1154	400	CFM	1407	1423	1426	1421	1409														
4 tons	CFM/ton	Watts	206/238	274/273	337/301	393/319	440/325	CFM/ton	Watts	206	274	337	392	439														
	450	CFM	1565/1650	1579/1585	1584/1512	1580/1432	1569/1343	450	CFM	1564	1578	1582	1578	1569														
	CFM/ton	Watts	274/312	348/348	416/378	477/398	529/407	CFM/ton	Watts	274	348	416	476	529														
	290	CFM	1186/1304	1208/1223	1213/1128	1206/1018	1189/887	290	CFM	1185	1206	1210	1203	1187														
	CFM/ton	Watts	131/164	192/196	248/220	297/234	337/233	CFM/ton	Watts	131	192	248	297	337														
4 tons	370	CFM	1480/1514	1495/1444	1499/1365	1495/1277	1482/1177	350	CFM	1407	1423	1426	1421	1409														
	CFM/ton	Watts	235/245	306/280	372/308	430/327	479/334	CFM/ton	Watts	206	274	337	392	439														
	400	CFM	1587/1689	1602/1625	1606/1354	1602/1475	1592/1399	400	CFM	1587	1600	1604	1601	1592														
	CFM/ton	Watts	285/332	360/369	429/399	490/420	543/430	CFM/ton	Watts	285	360	428	490	543														
	450	CFM	1770/1873	1784/1813	1789/1747	1788/1675	1782/1597	450	CFM	1770	1783	1788	1788	1782														
4.5 tons **†	CFM/ton	Watts	386/443	468/481	543/512	612/534	671/546	CFM/ton	Watts	385	467	543	611	671														
	290	CFM	1322/1431	1340/1358	1345/1274	1338/1179	1323/1069	290	CFM	1321	1338	1342	1336	1322														
	CFM/ton	Watts	174/211	240/245	300/271	353/288	397/292	CFM/ton	Watts	174	240	300	352	396														
	370 †	CFM	1646/1667	1660/1602	1665/1530	1662/1451	1653/1363	350	CFM	1564	1578	1582	1578	1569														
	CFM/ton	Watts	315/320	392/357	463/386	527/407	582/417	CFM/ton	Watts	274	348	416	476	529														
4.5 tons **†	400	CFM	1770/1873	1784/1813	1789/1747	1788/1675	1781/1597	400 †	CFM	1770	1783	1788	1788	1782														
	CFM/ton	Watts	386/443	468/481	543/512	612/534	671/546	CFM/ton	Watts	385	467	543	611	671														
	450	CFM	1989/2099	2004/2042	2012/1980	2013/1913	2009/1842	450	CFM	1989	2003	2011	2014	2011														
	CFM/ton	Watts	535/612	627/650	712/681	788/703	855/716	CFM/ton	Watts	534	626	711	788	856														
	290	CFM	1452/1557	1469/1489	1473/1413	1468/1327	1455/1231	290	CFM	1452	1467	1471	1466	1454														
5 tons	CFM/ton	Watts	224/265	294/301	358/329	415/348	463/356	CFM/ton	Watts	224	294	358	415	463														
	370	CFM	1817/1826	1831/1765	1837/1698	1837/1624	1831/1544	350	CFM	1723	1736	1741	1740	1734														
	CFM/ton	Watts	415/451	499/451	576/481	647/503	708/515	CFM/ton	Watts	357	437	511	578	636														
	400	CFM	1964/2073	1978/2015	1986/1953	1987/1886	1983/1814	400	CFM	1964	1978	1985	1988	1985														
	CFM/ton	Watts	516/590	607/629	690/660	766/682	832/695	CFM/ton	Watts	515	606	690	766	833														
5 tons	450	CFM	2231/2347	2245/2292	2252/2233	2252/2171	2185/2104	450	CFM	2232	2245	2252	2252	2186														
	CFM/ton	Watts	741/842	842/879	934/908	1015/930	1024/941	CFM/ton	Watts	741	842	934	1016	1023														
• † Factory Setting • ** Not an actual OD size • Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower. • Torque mode will reduce airflow when static is above approximately 0.4" water column. • If the air handler is applied in downflow or horizontal configurations, the airflow should not exceed 2000 CFM. Airflow above 2000 CFM could result in water blow-off. • All heating modes default to Constant CFM. • Cooling airflow values are with wet coil, no filter																												
5TAMXD07AV51DA MINIMUM HEATING AIRFLOW CFM — HEATER MATRIX																												
MODEL NO.	BAYEAAAC04BK1	BAYEAAAC08BK1	BAYEAAAC10BK1		BAYEAAAC10LG3		BAYEABC15BK1		BAYEACB15LG3		BAYEABC20BK1		BAYEACC25BK1															
	BAYEAAAC04LG1	BAYEAAAC05BK1		BAYEAAAC10LG1		BAYEAAAC10LG3		BAYEABC15BK1		BAYEACB15LG3		BAYEACC25BK1																
	BAYEAAAC05LG1																											
TAMXB0C60	1063 / 1188	1063 / 1500	1125 / 1500	1000 / 1188	1125 / 1563	1250 / 1750	1625 / 1813	WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE																				

Heater Attribute Data

Note: Heater size will be announced when using the resistor that is being provided with the BAYEA heater. Heater can also be configured in the UX360 User Interface or Diagnostics Mobile App.

5TAMXB02AV21DA											
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	-	-	3.9 **	5	15	-	-	3.9 **	5	15
BAYEA(13/AC)04++1	1	3.84	13100	16.0	25	25	2.88	9800	13.8	22	25
BAYEA(13/AC)05++1	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEA(13/AC)08++1	1	7.68	26200	32.0	45	45	5.76	19700	27.7	39	40
BAYEA(13/AC)10++1 ^(a)	1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEA(13/AC)10LG3	1-3 PH	9.60	32800	23.1	33	35	7.20	24600	20.0	29	30

Note: ** Motor Amps

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

5TAMXC03AV31DA											
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	-	-	3.9 **	5	15	-	-	3.9 **	5	15
BAYEA(13/AC)04++1	1	3.84	13100	16.0	25	25	2.88	9800	13.8	22	25
BAYEA(13/AC)05++1	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEA(13/AC)08++1	1	7.68	26200	32.0	45	45	5.76	19700	27.7	39	40
BAYEA(13/AC)10++1	1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEA(13/AC)10LG3	1-3 PH	9.60	32800	23.1	34	35	7.20	24600	20.0	29	30
BAYEA(23/BC)15LG3	1-3 PH	14.40	42000	34.6	48	50	10.80	36900	30.0	42	45
BAYEA(23/BC)15BK1 - Circuit 1 ^(a) BAYEA(23/BC)15BK1 - Circuit 2	2	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25

Note: ** Motor Amps

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

Heater Attribute Data

5TAMXD04AV31DA											
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	-	-	3.9 **	5	15	-	-	3.9 **	5	15
BAYEA(13/AC)04++1	1	3.84	13100	16.0	25	25	2.88	9800	13.8	22	25
BAYEA(13/AC)05++1	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEA(13/AC)08++1	1	7.68	26200	32.0	45	45	5.76	19700	27.7	39	40
BAYEA(13/AC)10++1	1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEA(13/AC)10LG3	1-3 PH	9.60	32800	23.1	33	35	7.20	24600	20.0	29	30
BAYEA(23/BC)15LG3	1-3 PH	14.40	42000	34.6	48	50	10.80	36900	30.0	42	45
BAYEA(23/BC)15BK1 - Circuit 1 (a) BAYEA(23/BC) 15BK1 - Circuit 2	2	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEA(23/BC)20BK1 - Circuit 1 BAYEA(23/BC) 20BK1 - Circuit 2	2	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45

Note: ** Motor Amps

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

5TAMXD05AV41DA											
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	-	-	3.9 **	5	15	-	-	3.9 **	5	15
BAYEA(13/AC)04++1	1	3.84	13100	16.0	25	25	2.88	9800	13.8	22	25
BAYEA(13/AC)05++1	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEA(13/AC)08++1	1	7.68	26200	32.0	45	45	5.76	19700	27.7	39	40
BAYEA(13/AC)10++1	1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEA(13/AC)10LG3	1-3 PH	9.60	32800	23.1	33	35	7.20	24600	20.0	29	30
BAYEA(23/BC)15LG3	1-3 PH	14.40	42000	34.6	48	50	10.80	36900	30.0	42	45
BAYEA(23/BC)15BK1 - Circuit 1 (a) BAYEA(23/BC) 15BK1 - Circuit 2	2	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEA(23/BC)20BK1 - Circuit 1 BAYEA(23/BC) 20BK1 - Circuit 2	2	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45

Note: ** Motor Amps

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

Heater Attribute Data

5TAMXD06AV41DA											
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	-	-	5.7 **	7	15	-	-	5.7 **	7	15
BAYEA(13/AC)04++1	1	3.84	13100	16.0	27	30	2.88	9800	13.8	24	25
BAYEA(13/AC)05++1	1	4.80	16400	20.0	32	35	3.60	12300	17.3	29	30
BAYEA(13/AC)08++1	1	7.68	26200	32.0	47	50	5.76	19700	27.7	42	45
BAYEA(13/AC)10++1	1	9.60	32800	40.0	57	60	7.20	24600	34.6	50	50
BAYEA(13/AC)10LG3	1-3 PH	9.60	32800	23.1	35	40	7.20	24600	20.0	31	35
BAYEA(23/BC)15LG3	1-3 PH	14.40	42000	34.6	50	60	10.80	36900	30.0	44	45
BAYEA(23/BC)15BK1 - Circuit 1 (a) BAYEA(23/BC)15BK1 - Circuit 2	2	9.60	32800	40.0	57	35	7.20	24600	34.6	50	50
		4.80	16400	20.0	25	50	3.60	12300	17.3	22	25
BAYEA(23/BC)20BK1 - Circuit 1 BAYEA(23/BC)20BK1 - 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
BAYEA(33/CC)25BK1 — Circuit 1 BAYEA(33/CC)25BK1 — Circuit 2 BAYEA(33/CC)25BK1 — 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

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

5TAMXD07AV51DA											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	6.9 **	9	15	-	-	6.9 **	9	15
BAYEA(13/AC)04++1	1	3.84	13100	16.0	29	30	2.88	9800	13.8	26	30
BAYEA(13/AC)05++1	1	4.80	16400	20.0	34	35	3.60	12300	17.3	30	30
BAYEA(13/AC)08++1	1	7.68	26200	32.0	49	50	5.76	19700	27.7	43	45
BAYEA(13/AC)10++1	1	9.60	32800	40.0	59	60	7.20	24600	34.6	52	60
BAYEA(13/AC)10LG3	1-3 PH	9.60	32800	23.1	37	40	7.20	24600	20.0	33	35
BAYEA(23/BC)15LG3	1-3 PH	14.40	42000	34.6	51	60	10.80	36900	30.0	45	45
BAYEA(23/BC)15BK1 - Circuit 1 (a) BAYEA(23/BC)15BK1 - Circuit 2	2	9.60	32800	40.0	59	60	7.20	24600	34.6	52	60
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEA(23/BC)20BK1 - Circuit 1 BAYEA(23/BC)20BK1 - Circuit 2	2	9.60	32800	40.0	59	60	7.20	24600	34.6	52	60
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEA(33/CC)25BK1 (b) - Circuit 1 BAYEA(33/CC)25BK1 - Circuit 2 BAYEA(33/CC)25BK1 - Circuit 3	3	9.60	32800	40.0	59	60	7.20	24600	34.6	52	60
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25

Note: ** Motor Amps

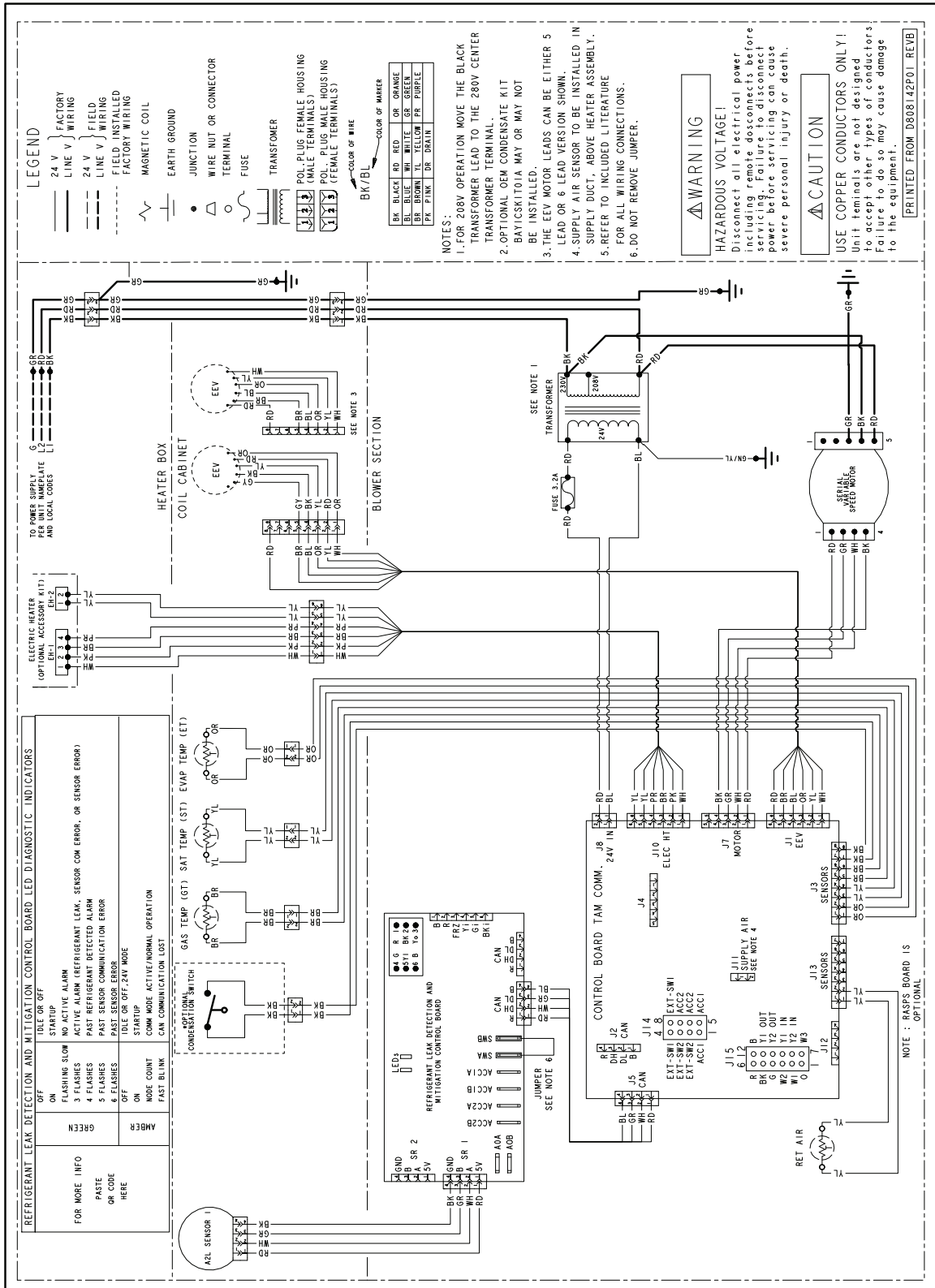
(a) MCA and MOP for circuit 1 contains the motor amps

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

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

Note: Heater model numbers may have additional suffix digits.

Wiring



Wiring

Table 1. Link Communicating Low Voltage Hook-Up Diagrams

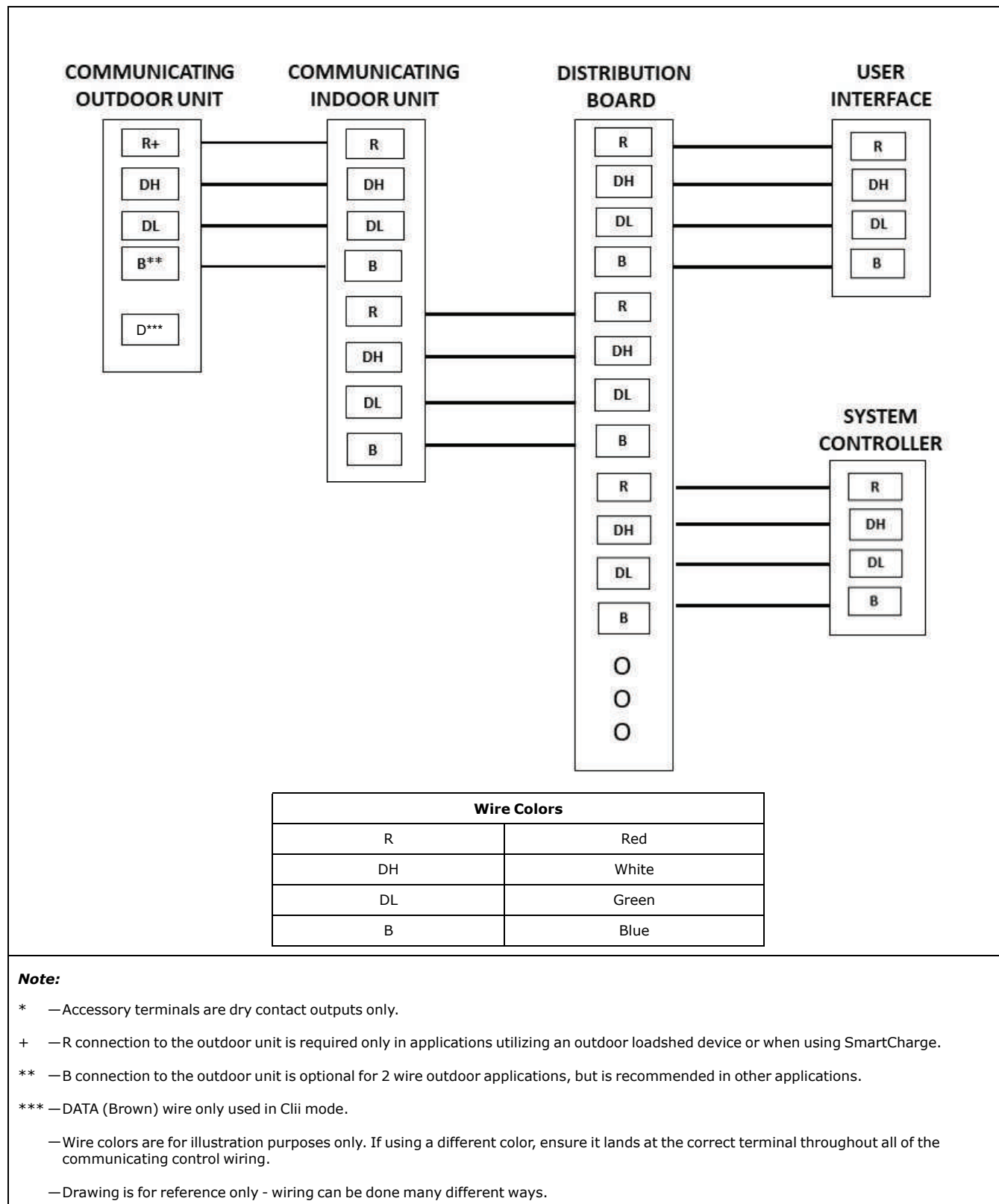
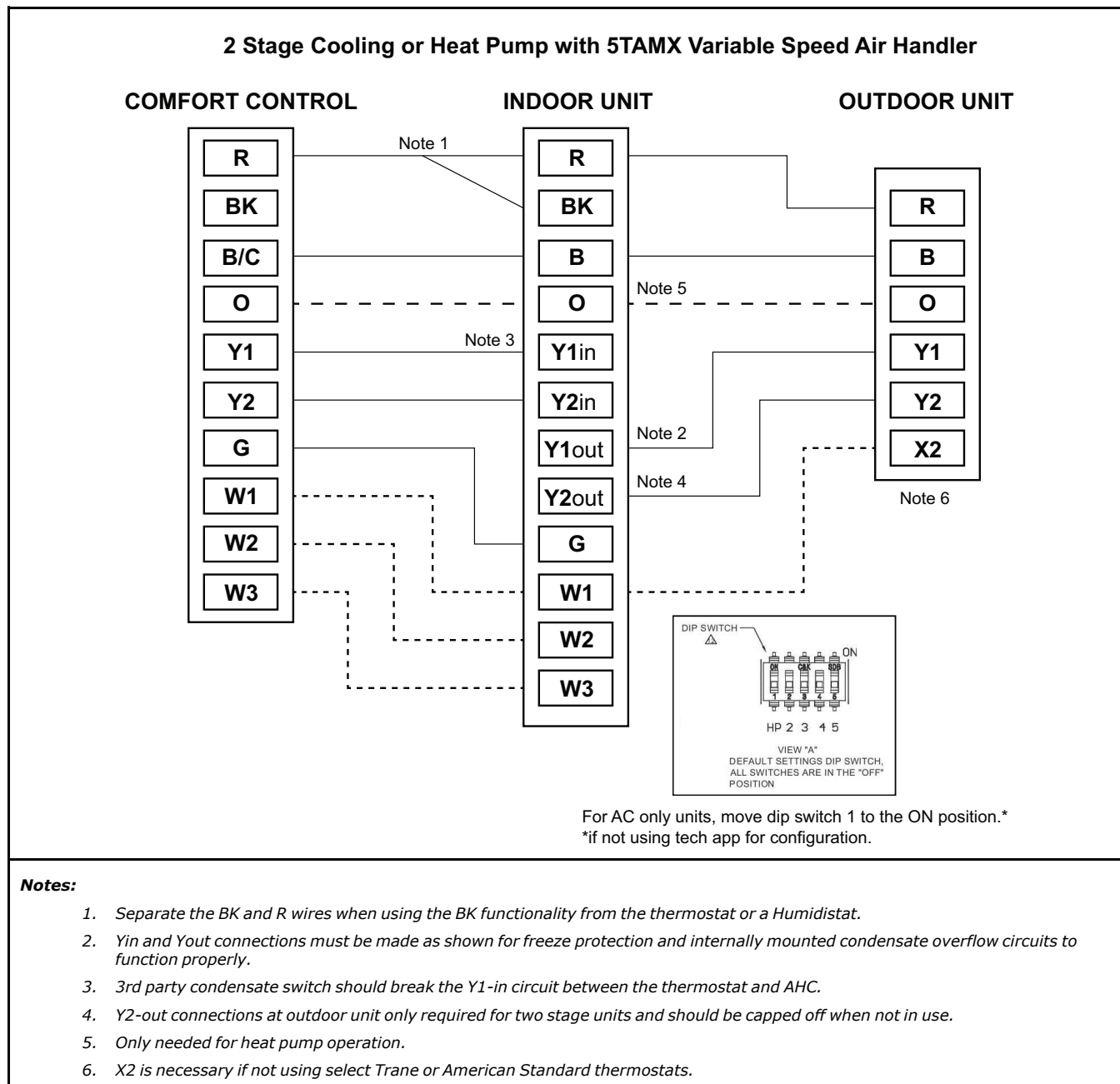
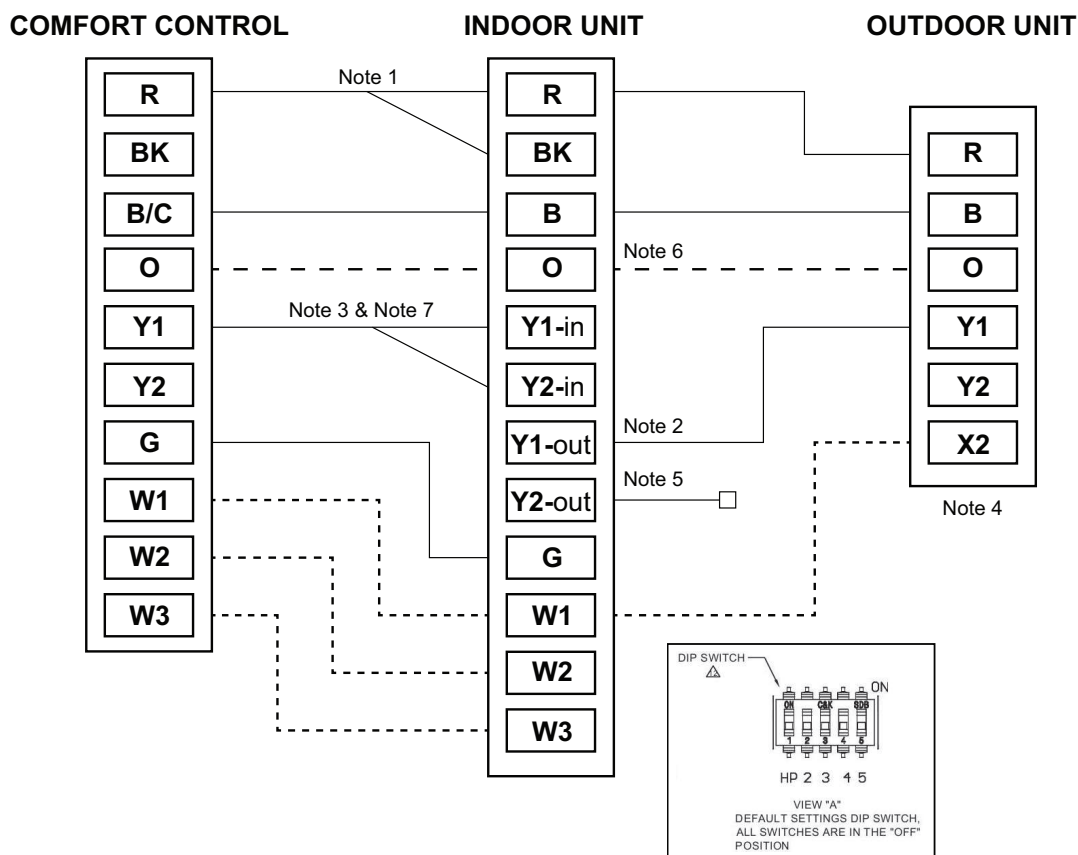


Table 2. 24 Volt Low Voltage Wiring



Wiring

1 Stage Cooling or Heat Pump with 5TAMX Variable Speed Air Handler



For AC only units, move dip switch 1 to the ON position.*
 *if not using tech app for configuration.

Notes:

1. Separate the BK and R wires when using the BK functionality from the thermostat or a Humidistat.
2. Y-in and Y-out connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to function properly.
3. 3rd party condensate switch should break the Y1-in circuit between the thermostat and AHC.
4. X2 is necessary if not using select Trane or American Standard thermostats.
5. For single speed operation, use Y1-out and cap off Y2-out wire.
6. Only needed for heat pump operation.
7. For single stage outdoor operation, must connect Y1-in and Y2-in for full airflow.

5TAMX 24 Volt Wire Harness Colors

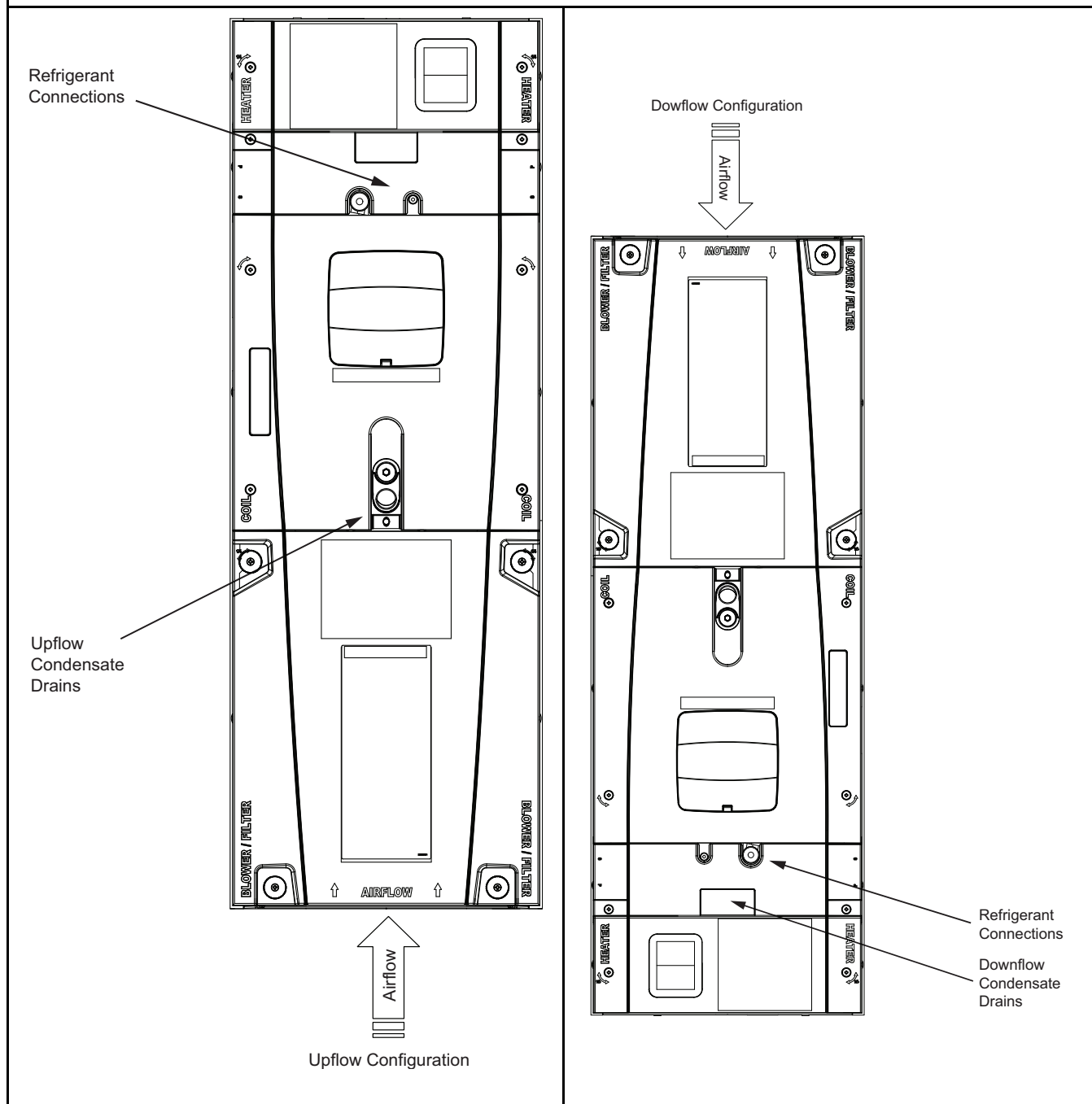
R	Red	Y2out	Orange/Red
B	Blue	G	Green
O	Orange	BK	Black
Y1in	Yellow	W1	White
Y2in	Yellow/Red	W2	White/Black
Y1out	Yellow/ Black	W3	White/Red

Four-Way Conversion

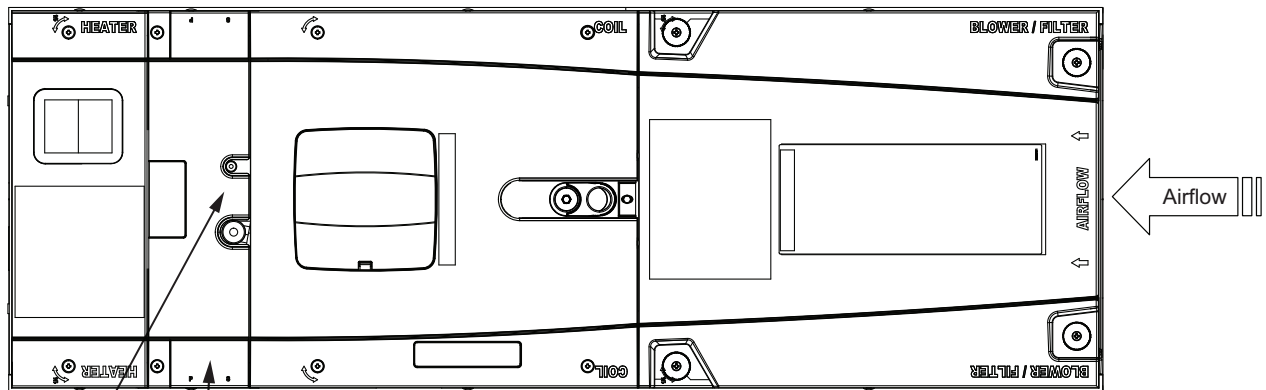
To place the unit in the configuration your application requires (upflow, downflow, horizontal right, or horizontal left), simply turn the unit to that orientation. Remember to adjust the badge and the A2L sensor accordingly.

Note: The air handlers are shipped from the factory suitable for four-way application.

Note: Entry for low voltage connections is allowed on either side of cabinet. Refer to Table 17.

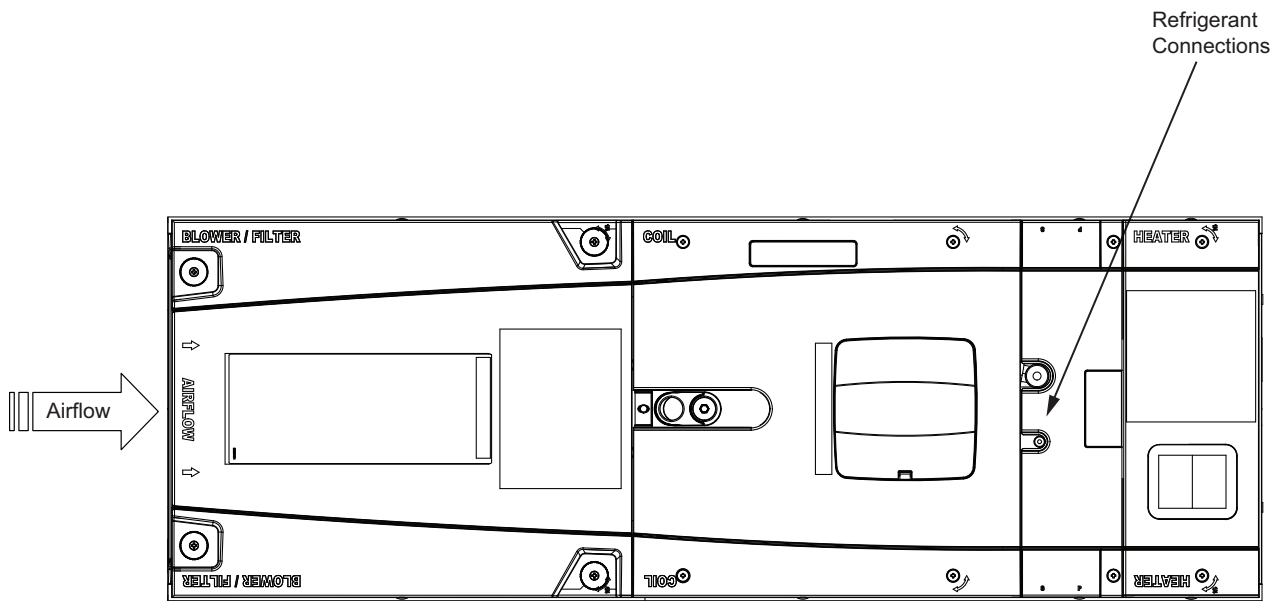


Horizontal Left Configuration



Refrigerant
Connections

Horizontal Left
Condensate
Drains



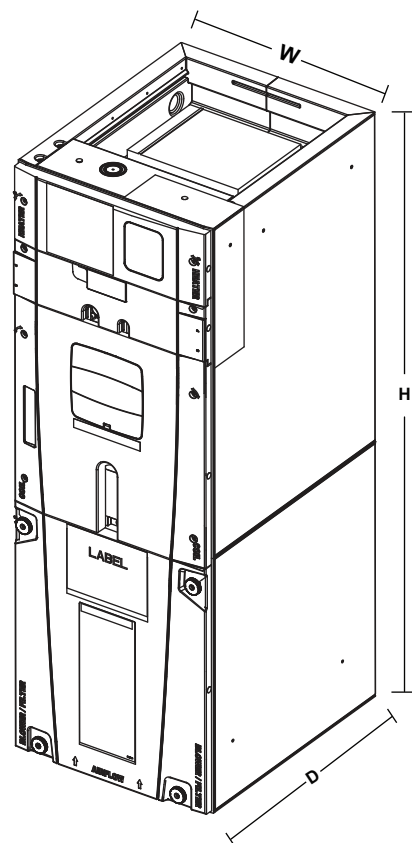
Horizontal Right Configuration

Horizontal Left
Condensate
Drains

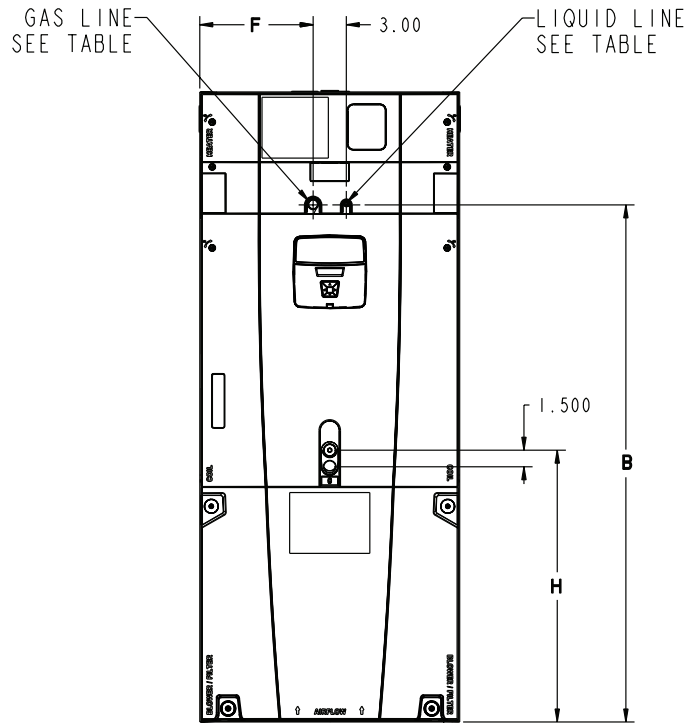
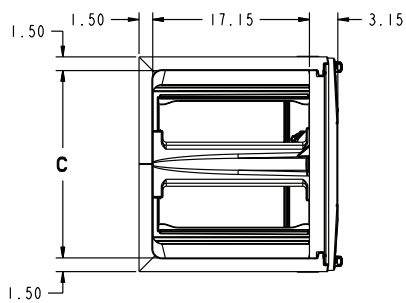
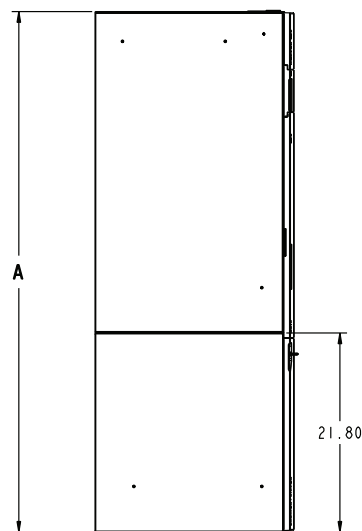
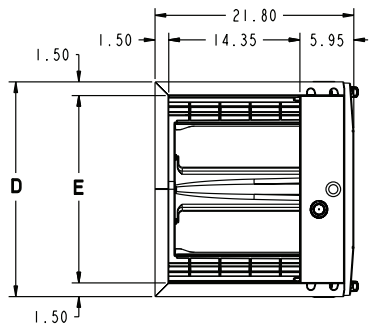
Air Handler Dimensional Data

Table 3. Unit Dimensions and Weight

MODEL NUMBER	H x W x D (inches)
5TAMXB02AV21DA	49-7/8 x 17-1/2 x 21-3/4
5TAMXC03AV31DA	55-3/4 x 21-1/4 x 21-3/4
5TAMXD04AV31DA	56-7/8 x 23-1/2 x 21-3/4
5TAMXD05AV41EDA	61-3/4 x 23-1/2 x 21-3/4
5TAMXD06AV41DA	61-3/4 x 23-1/2 x 21-3/4
5TAMXD07AV51DA	61-3/4 x 23-1/2 x 21-3/4



Outline Drawing



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

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

Model Number	A	B	C	D	E	F	H	FLOW CONTROL	GAS LINE BRAZE	LIQ LINE BRAZE
5TAMXB02AV21DA	49.9	39.6	14.5	17.5	14.5	7.3	24.4	EEV	3/4	3/8
5TAMXC03AV31DA	55.7	45.5	18.4	21.3	18.4	9.2	24.8	EEV	3/4	3/8
5TAMXD04AV31DA	56.9	46.7	20.5	23.5	20.5	10.3	24.2	EEV	7/8	3/8
5TAMXD05AV41DA	56.9	46.7	20.5	23.5	20.5	10.3	24.5	EEV	7/8	3/8
5TAMXD06AV41DA	61.7	51.5	20.5	23.5	20.5	10.3	24.9	EEV	7/8	3/8
5TAMXD07AV51DA	61.7	51.5	20.5	23.5	20.5	10.3	24.9	EEV	7/8	3/8

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