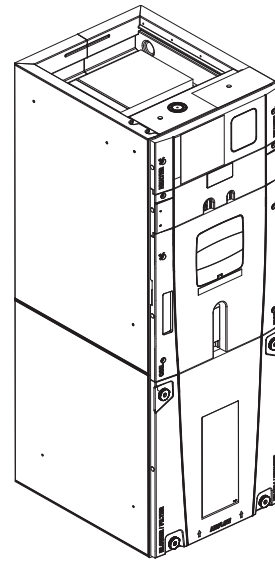


Submittal

Variable Speed Air Handlers Convertible 2 1/2 Ton

TAMXB0B30V31DA



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.

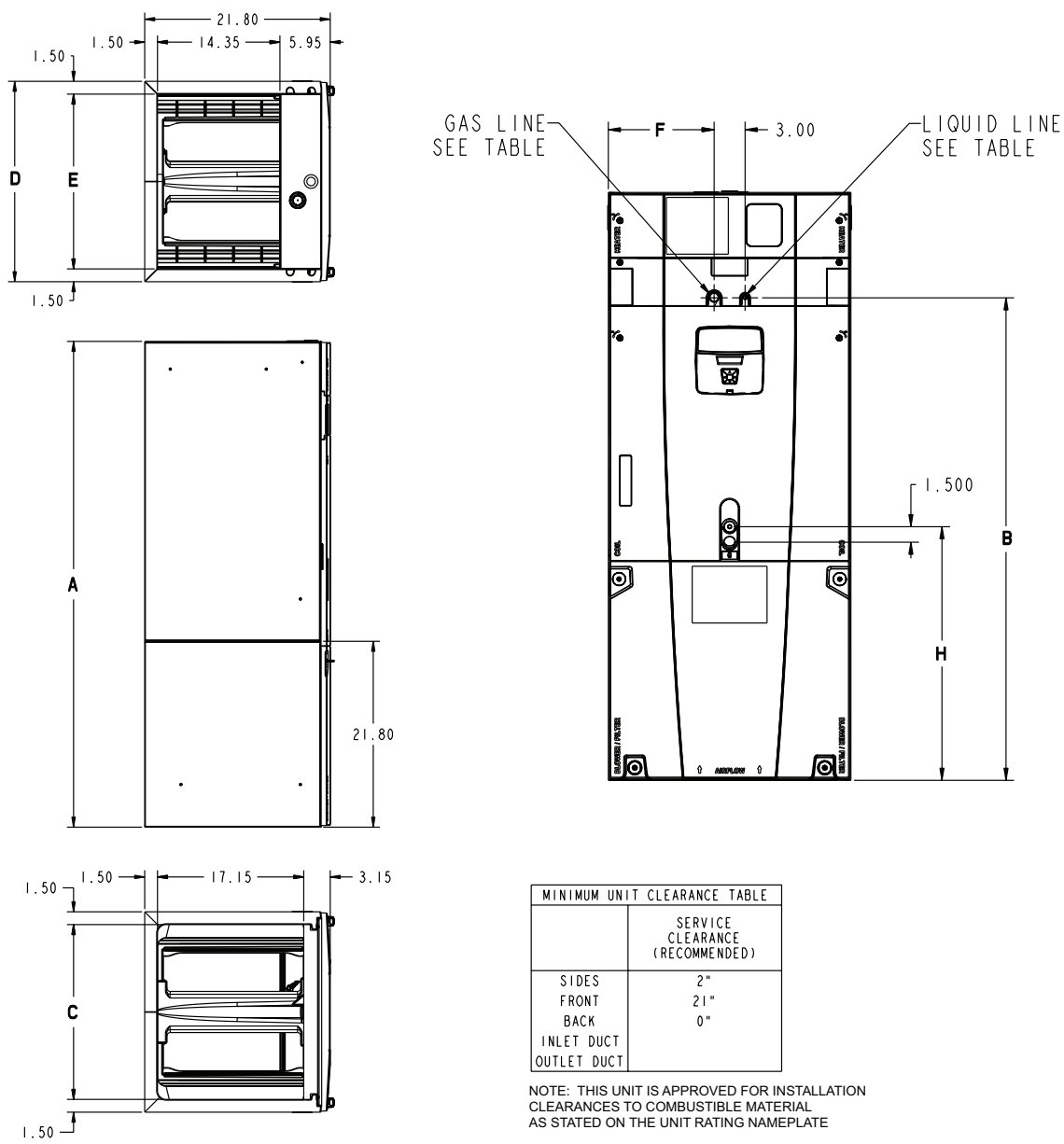
Note: "Graphics in this document are for representation only. Actual model may differ in appearance."

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.

Outline Drawing



Model Number	A	B	C	D	E	F	H	FLOW CONTROL	GAS LINE BRAZE	LIQ LINE BRAZE
TAMXB0B30	55.7	45.5	18.4	21.3	18.4	9.2	24.8	EEV	3/4	3/8

Product Specifications

MODEL	TAMXB0B30V31DA
RATED VOLTS/PH/HZ.	200 – 230/1/60
RATINGS ^(a)	See O.D. Specifications
INDOOR COIL – Type	Plate Fin
Rows – F.P.I.	3 – 14
Face Area (sq. ft.)	5.04
Tube Size (in.)	3/8
Refrigerant Control	EEV
Drain Conn. Size (in.) ^(b)	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing
INDOOR FAN – Type	Centrifugal
Diameter-Width (In.)	11 x 10
No. Used	1
Drive – No. Speeds	Direct – Variable
CFM vs. in. w.g.	See Fan Performance Table
No. Motors – H.P.	1 – 1/2
Motor Speed RPM	Variable ECM
Volts/Ph/Hz	208–230/1/60
F.L. Amps ^(c)	3.0 – 4.1
FILTER	
Filter Furnished?	No
Type Recommended	Throwaway
No.-Size-Thickness	1 – 20 x 20 – 1 in.
REFRIGERANT	R-410A
Ref. Line Connections	Brazed
Coupling or Conn. Size-in. Gas	3/4
Coupling or Conn. Size-in. Liq.	3/8
DIMENSIONS	H x W x D
Crated (In.)	56.8 x 23.5 x 24.5
Uncrated	55.7 x 21.3 x 21.8
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	150/138

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

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

^(c) Check motor nameplate for actual FLA.

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.

TAMXB0B30V31DA											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampaci-ty	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	4.1 **	5	15	-	-	4.1 **	5	15
BAYEAAC04++1	1	3.84	13100	16.0	25	25	2.88	9800	13.8	22	25
BAYEAAC05++1	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEAAC08++1	1	7.68	26200	32.0	45	45	5.76	19700	27.7	40	40
BAYEAAC10++1	1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	34	35	7.20	24600	20.0	30	30
BAYEABC15LG3	1-3 PH	14.40	42000	34.6	48	50	10.80	36900	30.0	43	45
BAYEABC15BK1 - Circuit 1 ^(a)	2	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEABC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
Note: ** Motor Amps											

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

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.

TAMX Air Flow Performance Tables

TAMXB0B30 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	492 / 581	442 / 397	408 / NA	353 / NA	221 / NA	290	CFM	485	437	393	349	300										
	350 CFM/ton	Watts	22 / 30	45 / 41	71 / NA	98 / NA	129 / NA	CFM/ton	Watts	21	44	69	97	130										
	400 CFM/ton	CFM	576 / 664	553 / 515	493 / NA	472 / NA	350	CFM	574	545	517	489	457											
	450 CFM/ton	Watts	30 / 40	58 / 54	87 / NA	117 / NA	150 / NA	CFM/ton	Watts	29	56	85	115	146										
	400 CFM/ton	CFM	644 / 730	633 / 598	612 / 403	590 / NA	563 / NA	400	CFM	643	624	605	583	559										
2 tons †	450 CFM/ton	Watts	38 / 49	70 / 65	102 / 72	134 / NA	167 / NA	CFM/ton	Watts	37	67	99	132	165										
	290 CFM/ton	CFM	711 / 794	708 / 673	691 / 510	678 / NA	656 / NA	450	CFM	709	698	684	669	649										
	350 CFM/ton	Watts	47 / 60	83 / 77	118 / 86	154 / NA	189 / NA	CFM/ton	Watts	45	80	115	151	186										
	400 † CFM/ton	CFM	627 / 713	611 / 576	589 / 369	568 / NA	542 / NA	290	CFM	625	603	582	559	533										
	450 CFM/ton	Watts	36 / 47	66 / 62	98 / 68	130 / NA	163 / NA	CFM/ton	Watts	35	64	95	127	160										
2.5 tons	350 CFM/ton	CFM	734 / 815	730 / 698	717 / 541	705 / NA	684 / NA	350	CFM	731	722	710	696	677										
	400 † CFM/ton	Watts	51 / 64	87 / 82	124 / 91	161 / NA	197 / NA	CFM/ton	Watts	49	84	120	157	193										
	450 CFM/ton	CFM	822 / 898	824 / 792	817 / 657	811 / NA	797 / NA	400 (a)	CFM	817	815	811	801	788										
	290 CFM/ton	Watts	66 / 81	107 / 101	149 / 112	191 / NA	231 / NA	CFM/ton	Watts	63	103	145	186	226										
	350 CFM/ton	CFM	910 / 982	916 / 884	914 / 763	914 / 610	904 / NA	450	CFM	902	907	908	904	895										
3 tons	400 CFM/ton	Watts	85 / 102	131 / 123	178 / 136	226 / 140	270 / NA	CFM/ton	Watts	80	126	172	219	263										
	450 CFM/ton	CFM	755 / 860	753 / 749	742 / 606	732 / 397	712 / NA	290	CFM	753	745	735	723	706										
	290 CFM/ton	Watts	54 / 73	92 / 91	130 / 102	168 / 104	205 / NA	CFM/ton	Watts	52	88	126	164	201										
	350 CFM/ton	CFM	887 / 985	893 / 887	891 / 767	888 / 614	876 / NA	350	CFM	881	884	884	879	868										
	400 CFM/ton	Watts	80 / 102	125 / 124	170 / 137	217 / 141	260 / NA	CFM/ton	Watts	75	120	165	210	253										
2.5 tons	450 CFM/ton	CFM	998 / 1094	1010 / 1003	1017 / 895	1018 / 765	1008 / NA	400	CFM	989	1001	1008	1008	1000										
	400 CFM/ton	Watts	107 / 134	160 / 158	213 / 173	266 / 179	315 / NA	CFM/ton	Watts	100	152	205	257	306										
	450 CFM/ton	CFM	1116 / 1212	1135 / 1126	1147 / 1027	1148 / 911	1134 / NA	450	CFM	1104	1124	1136	1139	1128										
	290 CFM/ton	Watts	143 / 176	205 / 201	267 / 219	325 / 227	376 / NA	CFM/ton	Watts	133	194	255	314	366										
	290 CFM/ton	CFM	883 / 981	888 / 882	887 / 762	881 / 608	870 / NA	290	CFM	877	880	879	874	863										
3 tons	350 CFM/ton	Watts	79 / 101	124 / 122	169 / 136	214 / 140	257 / NA	CFM/ton	Watts	74	118	164	208	252										
	400 CFM/ton	CFM	1043 / 1140	1059 / 1051	1068 / 947	1069 / 823	1059 / NA	350	CFM	1034	1049	1058	1061	1053										
	450 CFM/ton	Watts	120 / 150	177 / 174	233 / 190	288 / 197	339 / NA	CFM/ton	Watts	112	168	224	279	330										
	400 CFM/ton	CFM	1190 / 1304	1214 / 1221	1226 / 1126	1223 / 1016	1201 / 886	400	CFM	1177	1201	1215	1215	1198										
	450 CFM/ton	Watts	170 / 203	238 / 231	304 / 251	364 / 261	414 / 261	CFM/ton	Watts	157	224	291	352	403										
3 tons	450 CFM/ton	CFM	1355 / 1471	1376 / 1391	1375 / 1302	1353 / 1201	1296 / 1086	450	CFM	1338	1363	1368	1350	1314										
	450 CFM/ton	Watts	241 / 282	318 / 311	386 / 333	441 / 345	472 / 345	CFM/ton	Watts	221	299	369	427	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																								
TAMXB0B30 Minimum Heating Airflow Settings																								
MODEL NO.	BAYEAC04BK1 BAYEAC04LG1 BAYEAC05BK1 BAYEAC05LG1	BAYEAC08BK1 BAYEAC08LG1	BAYEAC10BK1 BAYEAC10LG1	BAYEAC10LG3	BAYEABC15BK1	BAYEACB15LG3																		
TAMXB0B30	723/808	723/1020	765/1020	680/808	765/1063	850/1105																		

Features and Benefits

- Unique cabinet design
 - 2% or less air leakage
 - Precision applied — durable door seals
 - Specially designed air seal around refrigerant, condensate and conduit connections
 - Double wall foamed cabinet system
 - R-4.2 Insulating Value (Avg Insulating Value R-8.2)
 - No loose fiber design
 - Smooth cleanable interior design
 - Sweat eliminating design
 - Composite foamed cabinet doors
 - Water proof cabinet design
 - Integrated horizontal drain pans
 - Modular cabinet
- Multi-position up/down flow horizontal left/right
- Communicating or 24 Volt control
- Control Display Assembly (CDA) with enhanced diagnostic information and setup capability
- Side return option (sold as accessory)
- Control board protection pocket built into cabinet wall
- Pre-marked Conduit Connection Locations
- Alert 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**

About Trane and American Standard Heating and Air Conditioning

Trane and American Standard create comfortable, energy efficient indoor environments for residential applications. For more information, please visit www.trane.com or www.americanstandardair.com.



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