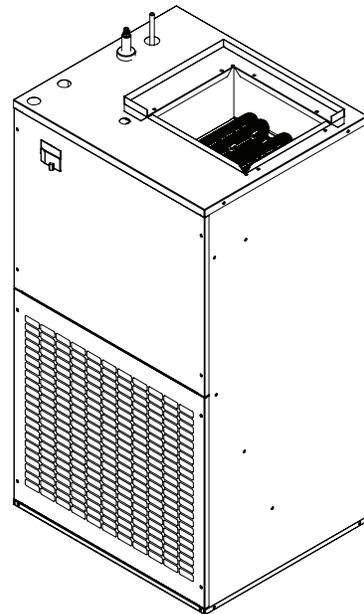


# Product and Submittal Data

## Wall Mount Air Handlers 1.5 to 3.0 Ton

5TMM5B0A30M21S  
5TMM5B0B30M21S  
5TMM5B0B36M31S  
5TMM5B0C36M31S



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

## **Introduction**

This document includes product and submittal data for the model 5TMM5 wall mount air handlers.

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## **Revision History**

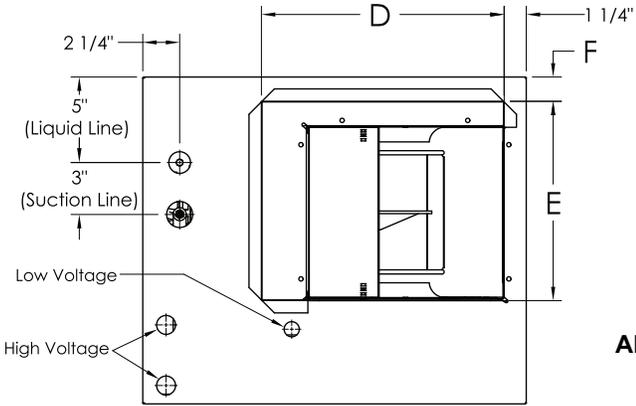
Model numbers 5TMM5B0B30M21SA and 5TMM5B0B36M31SA have been updated to 5TMM5B0B30M21SB and 5TMM5B0B36M31SB.

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# Dimensional Data

Figure 1. 5TMM5BOB30M21SB and 5TMM5BOB36M31SB



Minimum Unit Clearance Table	
	Service Clearance Recommended
Sides	0"
Front	3"
Back	0"

**Note:** This unit is approved for installation clearances to combustible material as stated on the unit rating nameplate.

**All dimensions are reference dimensions**

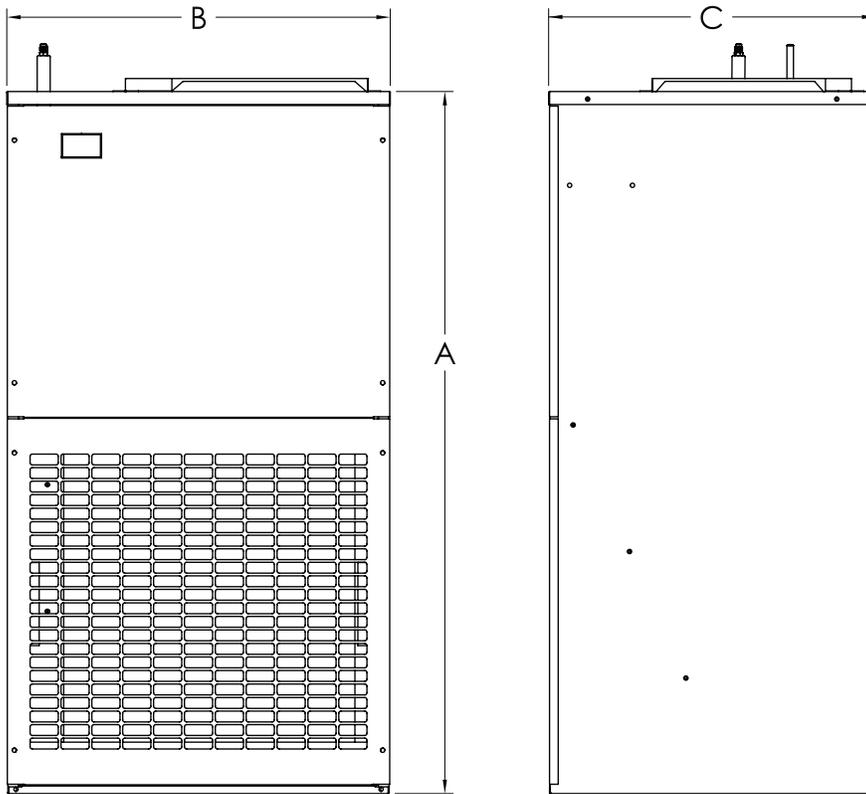


Table 1. Product dimensions

Air Handler Model	A (Cabinet Height)	B (Cabinet Width)	C (Cabinet Depth)	D	E	F	Front Return Opening	Bottom Return Opening	Supply/ Top Outlet	Flow Control	Gas Line Braze
5TMM5B0B30M21S	40.50	22.00	18.75	14.00	14.00	1.375	18.75 × 20.75	20.00 × 7.50	10.00 × 8.25	TXV	3/4
5TMM5B0B36M31S	40.50	22.00	18.75	14.00	11.50	1.375	18.75 × 20.75	20.00 × 7.50	11.50 × 10.00	TXV	3/4

**Note:** All dimensions are in inches.

Figure 2. 5TMM5BOA30M21SA and 5TMM5BOC36M31SA

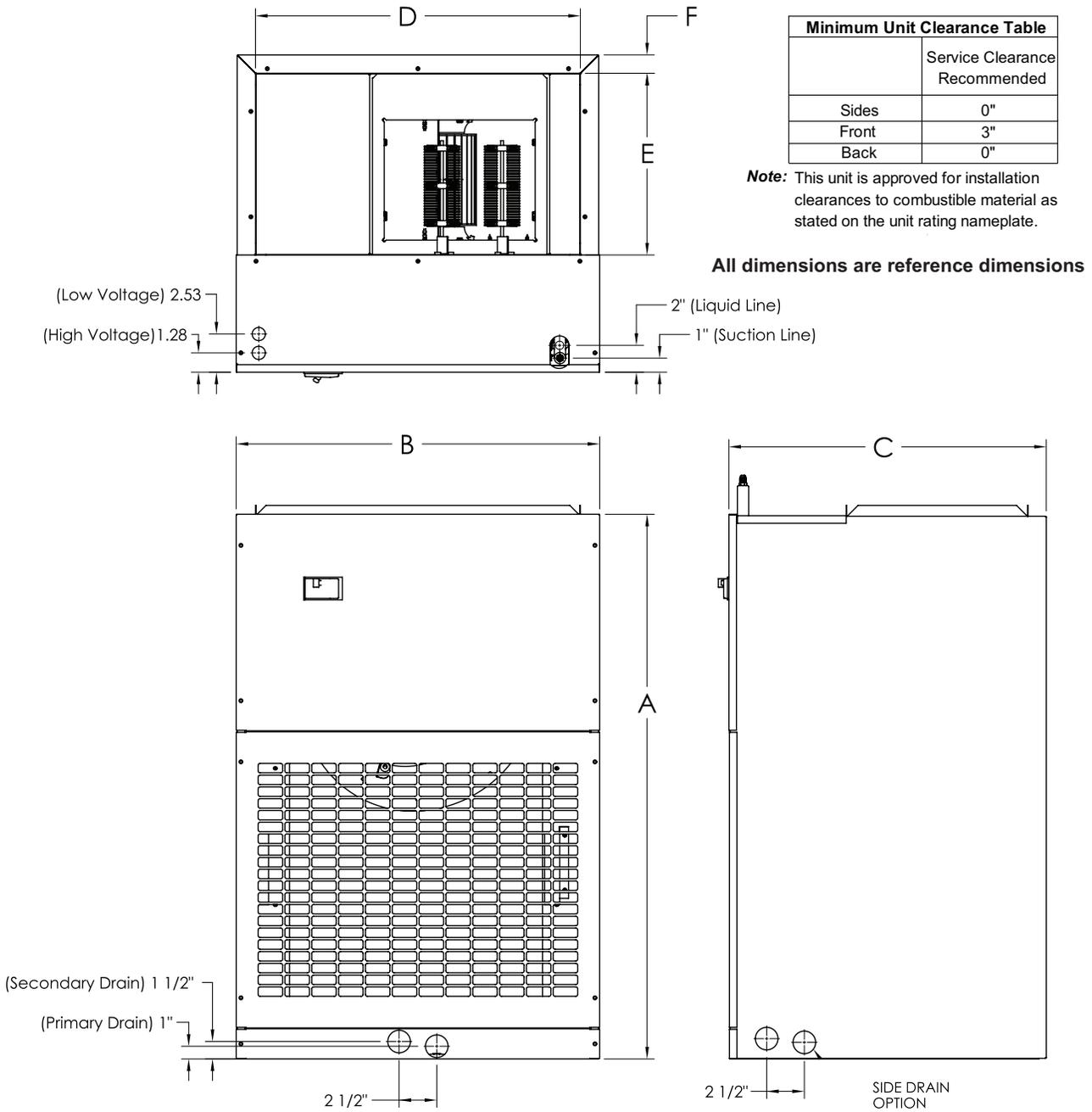


Table 2. Product dimensions

Air Handler Model	A (Cabinet Height)	B (Cabinet Width)	C (Cabinet Depth)	D	E	F	Front Return Opening	Bottom Return Opening	Supply/ Top Outlet	Flow Control	Gas Line Braze
5TMM5BOA30M21S	36.00	20.50	15.00	18.00	19.25	1.250	13.88 × 19.50	19.25 × 8.50	12.00 × 9.25	TXV	3/4
5TMM5BOC36M31S	36.00	24.00	21.00	21.50	12.00	1.25	19.75 × 23.00	23.00 × 8.50	12.00 × 12.00	TXV	3/4

**Note:** All dimensions are in inches.

# Product Specifications

**Table 3. Models – 5TMM5B0A30M21SA, 5TMM5B0B30M21SB, 5TMM5B0B36M31SB, and 5TMM5B0C36M31SA**

Model	5TMM5B0A30M21SA	5TMM5B0B30M21SB	5TMM5B0B36M31SB	5TMM5B0C36M31SA
Rated Volts/Ph/Hz	208-240/1/60	208-240/1/60	208-240/1/60	208-240/1/60
Ratings <sup>(a)</sup>	See O.D. Specifications	See O.D. Specifications	See O.D. Specifications	See O.D. Specifications
Indoor Coil - Type	All-Aluminum Plate Fin Slab			
Rows — F.P.I.	4/14	4/14	4/14	4/14
Face Area (sq. ft.)	1.77	3	3	3.25
Tube Size (in.)	16	24	24	24
Refrigerant Control	TXV	TXV	TXV	TXV
Drain Conn. Size (in.)	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT
Duct Connections	See Outline Drawing	See Outline Drawing	See Outline Drawing	See Outline Drawing
Indoor Fan - Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Diameter × Width (in.)	9 × 6	9 × 6	10 × 8	9 × 6
CFM vs. in. w.g.	See Air Flow Performance Table			
No. Motors — H.P.	1 – 1/3	1 – 1/3	1 – 1/2	1 – 1/2
Volts/Ph/Hz	208-240/1/60	208-240/1/60	208-240/1/60	208-240/1/60
F.L. Amps	2.4	2.4	3.6	3.6
<b>Filter</b>				
Filter Furnished? <sup>(b)</sup>	Yes	Yes	Yes	Yes
Filter Size (in.)	14 × 18 × 1	20 × 20 × 1	20 × 20 × 1	20 × 20 × 1
Refrigerant	R-454B	R-454B	R-454B	R-454B
Ref. Line Connections	Brazed	Brazed	Brazed	Brazed
Coupling or Conn. Size — in. Gas	3/4	3/4	3/4	3/4
Coupling or Conn. Size — in. Liq.	3/8	3/8	3/8	3/8
<b>Dimensions</b>	H × W × D			
Crated (in.)	40 × 22 × 16.5	44.5 × 22.5 × 21	44.5 × 22.5 × 21	40 × 25.5 × 22.5
Uncrated (in.)	36 × 20.5 × 15	40.5 × 22 × 18.75	40.5 × 22 × 18.75	36 × 24 × 21
<b>Weight</b>				
Shipping (lbs.)	80	102	102	90

<sup>(a)</sup> 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.

<sup>(b)</sup> Remote Filter Required and is supplied.

# Minimum Air Flow CFM

**Table 4. Minimum airflow CFM**

Model	Heater	Speed Tap	Minimum CFM Required for EHK
5TMM5B0A30M21SA 5TMM5B0B30M21SB	BAYHTRA505BRKA	T2	660
	BAYHTRA508BRKA	T4	831
	BAYHTRA510BRKA	T4	831
5TMM5B0B36M31SB	BAYHTRA505BRKA	T4	570
	BAYHTRA508BRKA	T5	836
	BAYHTRA510BRKA	T5	836
5TMM5B0C36M31SA	BAYHTRA505BRKA	T4	1031
	BAYHTRA508BRKA	T5	1207
	BAYHTRA510BRKA	T5	1207

# Heater Pressure Drop Table

Table 5. Heater pressure drop table

Airflow CFM	Number of Elements		Heater Racks	
	1	2	Heater Model	No. of Racks
	Pressure Drop - (in. W.C.)			
600	0.01	0.03	BAYHTRA505BRKA	1
700	0.01	0.03	BAYHTRA508BRKA	2
800	0.01	0.03	BAYHTRA510BRKA	2
900	0.01	0.03	—	—
1000	0.01	0.03	—	—
1100	0.01	0.03	—	—
1200	0.01	0.04	—	—
1300	0.02	0.04	—	—
1400	0.02	0.04	—	—

# Performance and Electrical Data

## Air Flow Performance

**Table 6. Airflow — model 5TMM5B0A30M21SA**

External Static <sup>(a)</sup> (Wet Coil)	Speed Taps: 208 to 240 Volts				
	Tap 1	Tap 2	Tap 3	Tap 4	Tap 5
0.1	655	785	860	960	1045
0.2	630	765	835	835	1015
0.3	605	735	805	805	995
0.4	580	715	775	775	975
0.5	560	685	745	745	950

<sup>(a)</sup> Wet Coil with filter; For 208 operation multiple by 0.90

**Table 7. Airflow — model 5TMM5B0B30M21SB**

External Static <sup>(a)</sup> (Wet Coil)	Speed Taps: 208 to 240 Volts				
	Tap 1	Tap 2	Tap 3	Tap 4	Tap 5
0.1	909	723	600	723	909
0.2	864	690	656	690	864
0.3	840	652	539	652	840
0.4	800	631	502	631	800
0.5	782	600	480	600	782

<sup>(a)</sup> Wet Coil with filter; For 208 operation multiple by 0.90

**Table 8. Airflow — model 5TMM5B0B36M31SB**

External Static <sup>(a)</sup> (Wet Coil)	Speed Taps: 208 to 240 Volts				
	Tap 1	Tap 2	Tap 3	Tap 4	Tap 5
0.1	1365	745	898	1174	1365
0.2	1332	698	873	1132	1332
0.3	1303	668	853	110	1303
0.4	1271	630	827	1078	1271
0.5	1240	600	880	1047	1240

<sup>(a)</sup> Wet Coil with filter; For 208 operation multiple by 0.90

**Table 9. Airflow — model 5TMM5B0C36M31SA**

External Static <sup>(a)</sup> (Wet Coil)	Speed Taps: 208 to 240 Volts				
	Tap 1	Tap 2	Tap 3	Tap 4	Tap 5
0.1	745	940	1100	1220	1385
0.2	715	910	1070	1180	1350
0.3	675	875	1025	1155	1330
0.4	640	840	995	1115	1290
0.5	615	805	965	1085	1270

<sup>(a)</sup> Wet Coil with filter; For 208 operation multiple by 0.90

## Electrical Data

Table 10. Electrical data — model 5TMM5B0A30M21SA

Heater Model No.	Number of Circuits	240 Volt					208 Volt					Rated Voltage	Control Stages	Number of Heater Racks	Contains Circuit Breakers
		Capacity		Heater Amps Per Circuit	Min. Circuit Ampacity	Max Overload Protection	Capacity		Heater Amps Per Circuit	Min. Circuit Ampacity	Max Overload Protection				
		KW	BTUH				KW	BTUH							
BAYHTRA 505BRKA	1	4.8	1640-0	20.00	28.00	30.00	3.6	1260-0	17.30	24.60	30.00	208/240/1/60	1	1	Yes
BAYHTRA 508BRKA	1	8	2730-0	33.30	44.70	50.00	6	2050-0	28.80	39.10	40.00	208/240/1/60	1	2	Yes
BAYHTRA 510BRKA	1	9.6	3280-0	40.00	53.00	60.00	7.2	2450-0	34.60	46.30	50.00	208/240/1/60	1	2	Yes

Table 11. Electrical data — model 5TMM5B0B30M21SB

Heater Model No.	Number of Circuits	240 Volt					208 Volt					Rated Voltage	Control Stages	Number of Heater Racks	Contains Circuit Breakers
		Capacity		Heater Amps Per Circuit	Min. Circuit Ampacity	Max Overload Protection	Capacity		Heater Amps Per Circuit	Min. Circuit Ampacity	Max Overload Protection				
		KW	BTUH				KW	BTUH							
BAYHTRA 505BRKA	1	4.8	1640-0	20.00	28.50	30.00	3.6	1260-0	17.30	25.10	30.00	208/240/1/60	1	1	Yes
BAYHTRA 508BRKA	1	8	2730-0	33.30	45.20	50.00	6	2050-0	28.80	39.60	40.00	208/240/1/60	1	2	Yes
BAYHTRA 510BRKA	1	9.6	3280-0	40.00	53.50	60.00	7.2	2450-0	34.60	46.80	50.00	208/240/1/60	1	2	Yes

Table 12. Electrical data — model 5TMM5B0B36M31SB

Heater Model No.	Number of Circuits	240 Volt					208 Volt					Rated Voltage	Control Stages	Number of Heater Racks	Contains Circuit Breakers
		Capacity		Heater Amps Per Circuit	Min. Circuit Ampacity	Max Overload Protection	Capacity		Heater Amps Per Circuit	Min. Circuit Ampacity	Max Overload Protection				
		KW	BTUH				KW	BTUH							
BAYHTRA 505BRKA	1	4.8	1640-0	20.00	30.10	35.00	3.6	1260-0	17.30	26.80	30.00	208/240/1/60	1	1	Yes
BAYHTRA 508BRKA	1	8	2730-0	33.30	46.80	50.00	6	2050-0	28.80	41.20	45.00	208/240/1/60	1	2	Yes
BAYHTRA 510BRKA	1	9.6	3280-0	40.00	55.10	60.00	7.2	2450-0	34.60	48.40	50.00	208/240/1/60	1	2	Yes

Table 13. Electrical data — model 5TMM5B0C36M31SA

Heater Model No.	Number of Circuits	240 Volt					208 Volt					Rated Voltage	Control Stages	Number of Heater Racks	Contains Circuit Breakers
		Capacity		Heater Amps Per Circuit	Min. Circuit Ampacity	Max Overload Protection	Capacity		Heater Amps Per Circuit	Min. Circuit Ampacity	Max Overload Protection				
		KW	BTUH				KW	BTUH							
BAYHTRA 505BRKA	1	4.8	1640-0	20.00	29.50	35.00	3.6	1260-0	17.30	26.10	30.00	208/240/1/60	1	1	Yes
BAYHTRA 508BRKA	1	8	2730-0	33.30	46.20	50.00	6	2050-0	28.80	40.60	45.00	208/240/1/60	1	2	Yes
BAYHTRA 510BRKA	1	9.6	3280-0	40.00	54.50	60.00	7.2	2450-0	34.60	47.80	50.00	208/240/1/60	1	2	Yes

# Features and Benefits

- Blower and coil slide out easily for maintenance
- Factory-sealed cabinet certified to achieve 1.4% or less air leakage rate at 1.0 water column
- Factory Installed R-454B Refrigerant Detection System (RDS)
- Upflow Only
- ALL Aluminum Coil
- Electric Heaters with polarized plug connections (sold as accessory)
- R-454B Thermal Expansion Valve
- ECM Motor
- Front or Bottom Return Air
- AHRI Certified and ETL listed
- Factory Installed Drain pan
- Stud or Wall Mounting Installation
- **5 Year Warranty**
- **Optional extended warranty available**

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