

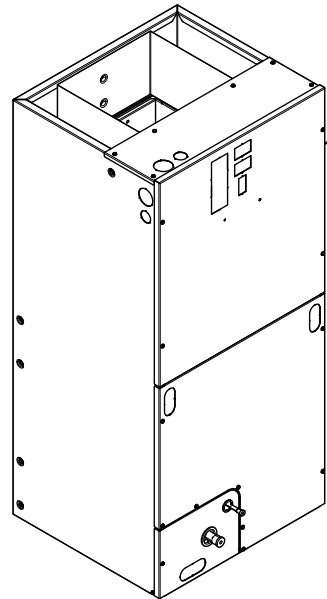
BUILT TO A HIGHER STANDARD[®]

American Standard[®]
HEATING & AIR CONDITIONING

Product Data

Convertible Air Handlers 2 – 5 Ton

5TEM4B02AC21SA
5TEM4B03AC31SA
5TEM4D04AC31SA
5TEM4D05AC41SA
5TEM4D06AC41SA
5TEM4D07AC51SA



The 5TEM4 series air handler is designed for installation in a closet, utility room, alcove, basement, crawlspace or attic. These versatile units are applicable to air conditioning and heat pump applications. Several models are available to meet the specific requirements of the outdoor equipment. Field installed electric resistance heaters are available.

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Features and Benefits

- Painted metal cabinet with captured foil face insulation
- 2% or less air leakage
- R-4.2 Insulating Value
- Multi-Position UP/Down Flow, Horizontal Left /Right
- ALL Aluminum Coil
- Electric Heaters with polarized plug connections (sold as accessory)
- R-454B Thermal Expansion Valve
- ECM Motor
- Low Voltage Pigtail Connections
- Draw Through Design
- Horizontal Drain pan
- Fused 24V Power
- **5 Year Base Limited Warranty**
- **10 Year Registered Limited Warranty**
- **Optional extended warranty available**

Important: Condensate management kit is required for all 5 ton air handler models installed in downflow applications.

Optional Equipment

Accessory Number	Description	Fits Cabinet Size
BAYHTR1504BRK	Electric Heater, 4KW, Breaker, 24V Control, 1 Ph	18.5" and 23.5"
BAYHTR1504LUG	Electric Heater, 4KW, Lug, 24V Control, 1 Ph	18.5" and 23.5"
BAYHTR1505BRK	Electric Heater, 5KW, Breaker, 24V Control, 1 Ph	18.5" and 23.5"
BAYHTR1505LUG	Electric Heater, 5KW, Lug, 24V Control, 1 Ph	18.5" and 23.5"
BAYHTR1508BRK	Electric Heater, 8KW, Breaker, 24V Control, 1 Ph	18.5" and 23.5"
BAYHTR1508LUG	Electric Heater, 8KW, Lug, 24V Control, 1 Ph	18.5" and 23.5"
BAYHTR1510BRK	Electric Heater, 10KW, Breaker, 24V Control, 1 Ph	18.5" and 23.5"
BAYHTR1510LUG	Electric Heater, 10KW, Lug, 24V Control, 1 Ph	18.5" and 23.5"
BAYHTR3510LUG	Electric Heater, 10KW, Lug, 24V Control, 3 Ph	18.5" and 23.5"
BAYHTR1517BRK	Electric Heater, 15KW, Breaker, 24V Control, 1 Ph	18.5" and 23.5"
BAYHTR3517LUG	Electric Heater, 15KW, Lug, 24V Control, 3 Ph	18.5" and 23.5"
BAYHTR1523BRK	Electric Heater, 20KW, Breaker, 24V Control, 1 Ph	23.5"
BAYHTR1525BRK	Electric Heater, 25KW, Breaker, 24V Control, 1 Ph	23.5"
BAYTEMDFKT1A	Downflow Condensate Management Kit	18.5" and 23.5"
BAYTEMSPFG1A	Supply Duct Flange Kit	18.5" and 23.5"
BAYSPEKT201A	Single Point Power Entry Kit	18.5" and 23.5"
TAYBASE185	Air Handler Downflow Sub-Bases	18.5"
TAYBASE235 (TAYBASE 100)	Air Handler Downflow Sub-Bases	23.5"
BAYSF1185AAA	Slim Fit Filter Box	18.5"
BAYSF1235AAA	Slim Fit Filter Box	23.5"
TEMBRKSEALT01A	Breaker Seal Kit for sure with BAYHTR15 4kW — 20kW Heaters	18.5" and 23.5"
TEMBRKSEALT25A	Breaker Seal Kit for use with 25 kW electric heaters & heater kits used with BAYSPEKT201	18.5" and 23.5"

Product Specifications

MODEL	5TEM4B02AC21SA	5TEM4B03AC31SA	5TEM4D04AC31SA
RATED VOLTS/PH/HZ	208-230/1/60	208-230/1/60	208-230/1/60
RATINGS^(a)	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	4.13	5.50
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	TXV	TXV	TXV
Drain Conn. Size (in.) ^(b)	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 8	11 X 8
No. Used	1	1	1
Drive - No. Speeds	Direct - 8	Direct - 8	Direct - 8
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
No. Motors — H.P.	1 - 1/3	1 - 1/2	1 - 1/2
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps	2.6	3.9	3.9
FILTER			
Filter Furnished? ^(c)	No	No	No
REFRIGERANT	R-454B	R-454B	R-454B
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.)	46-1/2 x 22-1/2 x 25-1/2	48-1/4 x 22-1/2 x 25-1/2	52-3/4 x 27-1/2 x 25-1/2
Uncrated	45-1/8 x 18-1/2 x 21-1/8	46-3/4 x 18-1/2 x 21-1/8	51-3/8 x 23-1/2 x 21-1/8
WEIGHT			
Shipping (Lbs.) / Net (Lbs.)	116/110	126/117	145/138

^(a) These Air Handlers are A.H.R.I 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.

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

^(c) Remote filter required.

Product Specifications

MODEL	STEM4D05AC41SA	STEM4D06AC41SA	STEM4D07AC51SA
RATED VOLTS/PH/HZ	208-230/1/60	208-230/1/60	208-230/1/60
RATINGS^(a)	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	4 - 12	4 - 14
Face Area (sq. ft.)	5.50	5.50	6.88
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	TXV	TXV	TXV
Drain Conn. Size (in.) ^(b)	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 8	11 X 8
No. Used	1	1	1
Drive - No. Speeds	Direct - 8	Direct - 8	Direct - 8
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 - 3/4
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps	3.9	6.0	6.0
FILTER			
Filter Furnished? ^(c)	No	No	No
REFRIGERANT	R-454B	R-454B	R-454B
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.)	52-3/4 x 27-1/2 x 25-1/2	52-3/4 x 27-1/2 x 25-1/2	57-11/16 x 27-1/2 x 25-1/2
Uncrated	51-3/8 x 23-1/2 x 21-1/8	51-3/8 x 23-1/2 x 21-1/8	57-3/8 x 23-1/2 x 21-1/8
WEIGHT			
Shipping (Lbs.) / Net (Lbs.)	145/138	155/144	185/174

^(a) These Air Handlers are A.H.R.I. 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.

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

^(c) Remote filter required.

Heater Pressure Drop Table

Airflow CFM	Number of Racks					Heater Racks	
	1	2	3	4		Heater Model	No. of Racks
	Air Pressure Drop — Inches W.G.						
1800	0.02	0.04	0.06	0.14		BAYHTR1504	1
						BAYHTR1505	1
1700	0.02	0.04	0.06	0.14		BAYHTR1508	2
1600	0.02	0.04	0.06	0.13		BAYHTR1510	2
1500	0.02	0.04	0.06	0.12		BAYHTR1517	3
1400	0.02	0.04	0.06	0.12		BAYHTR3510	3
1300	0.02	0.04	0.05	0.11		BAYHTR3517	3
1200	0.01	0.04	0.05	0.10		BAYHTR1523	4
1100	0.01	0.03	0.05	0.09		BAYHTR1525	4
1000	0.01	0.03	0.04	0.09			
900	0.01	0.03	0.04	0.08			
800	0.01	0.03					
700	0.01	0.02					
600	0.01	0.02					

Minimum Airflow CFM

STEM4B02AC21SA		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505LUG	TAP 2	TAP 2
BAYHTR1508BRK, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510LUG, BAYHTR3510LUG	TAP 5	TAP 5

STEM4B03AC31SA		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505LUG	TAP 3	TAP 3
BAYHTR1508BRK, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510LUG	TAP 4	TAP 3
BAYHTR1517BRK, BAYHTR3517LUG, BAYHTR3510LUG	TAP 5	TAP 3

STEM4D04AC31SA		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505LUG	TAP 2	TAP 2
BAYHTR1508BRK, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510LUG	TAP 5	TAP 3
BAYHTR1523BRK	TAP 5	TAP 3
BAYHTR1517BRK, BAYHTR3517LUG, BAYHTR3510LUG	TAP 5	TAP 3

STEM4D05AC41SA		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505LUG	TAP 2	TAP 2
BAYHTR1508BRK, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510LUG	TAP 4	TAP 4
BAYHTR1523BRK	TAP 4	TAP 3
BAYHTR1517BRK, BAYHTR3517LUG, BAYHTR3510LUG	TAP 5	TAP 3

STEM4D06AC41SA		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505LUG, BAYHTR1508BRK, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510LUG, BAYHTR3510LUG	TAP 2	TAP 2
BAYHTR1517BRK, BAYHTR3517LUG	TAP 4	TAP 4
BAYHTR1523BRK, BAYHTR1525BRK	TAP 5	TAP 4

STEM4D07AC51SA		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505LUG, BAYHTR1508BRK, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510LUG, BAYHTR3510LUG	TAP 2	TAP 2
BAYHTR1517BRK, BAYHTR3517LUG	TAP 3	TAP 3
BAYHTR1523BRK, BAYHTR1525BRK	TAP 5	TAP 3

Performance and Electrical Data

Table 1. Air Flow Performance

5TEM4B02AC21SA				
EXTERNAL STATIC (in w.g)	AIRFLOW			
	Speed Taps: 208-230 VOLTS			
	TAP 2	TAP 3 †	TAP 4	TAP 5
0.1	874	978	1045	1134
0.2	824	934	1002	1096
0.3	746	881	955	1056
0.4	676	813	891	1009
0.5	606	746	828	943
0.6	551	681	762	888
0.7	481	627	702	830
0.8	404	578	653	771
0.9	328	519	606	722

• In horizontal and downflow applications, airflow should be limited to 1000 CFM due to condensate blowoff.

Table 2. Air Flow Performance

5TEM4B03AC31SA				
EXTERNAL STATIC (in w.g)	AIRFLOW			
	Speed Taps: 208-230 VOLTS			
	TAP 2	TAP 3 †	TAP 4	TAP 5
0.1	886	1027	1094	1196
0.2	844	989	1059	1164
0.3	791	947	1020	1130
0.4	719	896	978	1094
0.5	660	837	926	1053
0.6	584	778	864	1006
0.7	517	723	813	948
0.8	460	650	753	897
0.9	378	594	694	850

• In horizontal and downflow applications, airflow should be limited to 1000 CFM due to condensate blowoff.

Table 3. Air Flow Performance

5TEM4D04AC31SA				
EXTERNAL STATIC (in w.g)	AIRFLOW			
	Speed Taps: 208-230 VOLTS			
	TAP 2	TAP 3 †	TAP 4	TAP 5
0.1	1230	1311	1385	1428
0.2	1187	1265	1342	1388
0.3	1140	1220	1299	1345
0.4	1089	1174	1256	1302
0.5	1036	1125	1210	1260
0.6	980	1070	1160	1211
0.7	909	1010	1110	1161
0.8	833	939	1053	1106
0.9	755	904	984	1041

Performance and Electrical Data

Table 4. Air Flow Performance

STEM4D05AC31SA				
EXTERNAL STATIC (in w.g)	AIRFLOW			
	Speed Taps: 208-230 VOLTS			
	TAP 2	TAP 3 †	TAP 4	TAP 5
0.1	1266	1340	1425	1577
0.2	1214	1286	1384	1535
0.3	1163	1242	1335	1494
0.4	1114	1195	1290	1452
0.5	1057	1144	1246	1410
0.6	996	1087	1187	1367
0.7	931	1026	1128	1319
0.8	853	961	1071	1268
0.9	779	889	1005	1211

Table 5. Air Flow Performance

STEM4D06AC41SA				
EXTERNAL STATIC (in w.g)	AIRFLOW			
	Speed Taps: 208-230 VOLTS			
	TAP 2	TAP 3 †	TAP 4	TAP 5
0.1	1550	1592	1804	1971
0.2	1511	1550	1767	1939
0.3	1470	1510	1734	1907
0.4	1426	1469	1697	1867
0.5	1379	1424	1656	1839
0.6	1324	1381	1615	1804
0.7	1278	1338	1575	1766
0.8	1229	1292	1536	1722
0.9	1173	1241	1492	1691

• In horizontal and downflow applications, airflow should be limited to 1700 CFM due to condensate blowoff.

Table 6. Air Flow Performance

STEM4D07AC51SA				
EXTERNAL STATIC (in w.g)	AIRFLOW			
	Speed Taps: 208-230 VOLTS			
	TAP 2	TAP 3 †	TAP 4	TAP 5
0.1	1574	1648	1781	1935
0.2	1538	1608	1749	1900
0.3	1502	1577	1715	1872
0.4	1466	1542	1685	1842
0.5	1425	1506	1651	1814
0.6	1374	1466	1616	1784
0.7	1328	1423	1576	1749
0.8	1280	1377	1531	1712
0.9	1227	1329	1489	1674

• In horizontal and downflow applications, airflow should be limited to 1800 CFM due to condensate blowoff.

Performance and Electrical Data

Notes:

- TAP 1 is not an airflow selection. Black wire must always be on TAP 1.
- Values are with wet coil, no filter, and no heaters.
- CFM correction for dry coil = add 3%.
- † = factory setting

Table 7. Electrical Data

STEM4B02AC21SA											
Heater Model No.	No. of Circuits/ Phases	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				2.6*	3	15			2.6*	3	15
BAYHTR1504BRK BAYHTR1504LUG	1/1	3.8	13100	16.0	23	25	2.9	9800	13.8	21	25
BAYHTR1505BRK BAYHTR1505LUG	1/1	4.8	16400	20.0	28	30	3.6	12300	17.3	25	25
BAYHTR1508BRK BAYHTR1508LUG	1/1	7.7	26200	32.0	43	45	5.8	19700	27.7	38	40
BAYHTR1510BRK BAYHTR1510LUG	1/1	9.6	32800	40.0	53	60	7.2	24600	34.6	47	50
BAYHTR3510LUG	1/3	9.6	32800	23.1	32	35	7.2	24600	20.0	28	30

Note: * = Motor Amps

Table 8. Electrical Data

STEM4B03AC31SA											
Heater Model No.	No. of Circuits/ Phases	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				3.9*	5	15			3.9*	5	15
BAYHTR1504BRK BAYHTR1504LUG	1/1	3.8	13100	16.0	25	25	2.9	9800	13.8	22	25
BAYHTR1505BRK BAYHTR1505LUG	1/1	4.8	16400	20.0	30	30	3.6	12300	17.3	27	30
BAYHTR1508BRK BAYHTR1508LUG	1/1	7.7	26200	32.0	45	45	5.8	19700	27.7	39	40
BAYHTR1510BRK BAYHTR1510LUG	1/1	9.6	32800	40.0	55	60	7.2	24600	34.6	48	50
BAYHTR1517BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	55	60	7.2	24600	34.6	48	50
BAYHTR1517BRK- Circuit 2		4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
BAYHTR3510LUG	1/3	9.6	32800	23.1	33	35	7.2	24600	20.0	29	30
BAYHTR3517LUG	1/3	14.4	49100	34.6	48	50	10.8	36900	30.0	42	40
BAYHTR1517BRK with single circuit power source kit BAYSPEKT201A	1/1	14.4	49100	60.0	80	80	10.8	36900	51.9	70	70

Note: * = Motor Amps

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

Performance and Electrical Data

Table 9. Electrical Data

STEM4D04AC31SA											
Heater Model No.	No. of Circuits/ Phases	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				3.9*	5	15			3.9*	5	15
BAYHTR1504BRK BAYHTR1504LUG	1/1	3.8	13100	16.0	25	25	2.9	9800	13.8	22	25
BAYHTR1505BRK BAYHTR1505LUG	1/1	4.8	16400	20.0	30	30	3.6	12300	17.3	27	30
BAYHTR1508BRK BAYHTR1508LUG	1/1	7.7	26200	32.0	45	45	5.8	19700	27.7	39	40
BAYHTR1510BRK BAYHTR1510LUG	1/1	9.6	32800	40.0	55	60	7.2	24600	34.6	48	50
BAYHTR1517BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	55	60	7.2	24600	34.6	48	50
BAYHTR1517BRK- Circuit 2		4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
BAYHTR1523BRK- Circuit 1	2/1	9.6	32800	40.0	55	60	7.2	24600	34.6	48	50
BAYHTR1523BRK- Circuit 2		9.6	32800	40.0	50	50	7.2	24600	34.6	43	45
BAYHTR3510LUG	1/3	9.6	32800	23.1	33	35	7.2	24600	20.0	29	30
BAYHTR3517LUG	1/3	14.4	49100	34.6	48	50	10.8	36900	30.0	42	40
BAYHTR1517BRK with single circuit power source kit BAYSPEKT201A	1/1	14.4	49100	60.0	80	80	10.8	36900	51.9	70	70
BAYHTR1523BRK with single circuit power source kit BAYSPEKT201A	1/1	19.2	65500	80.0	105	105	14.4	49100	69.2	91	95

Note: * = Motor Amps

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

Table 10. Electrical Data

STEM4D05AC31SA											
Heater Model No.	No. of Circuits/ Phases	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				4.1*	5	15			4.1*	5	15
BAYHTR1504BRK BAYHTR1504LUG	1/1	3.8	13100	16.0	25	25	2.9	9800	13.8	22	25
BAYHTR1505BRK BAYHTR1505LUG	1/1	4.8	16400	20.0	30	30	3.6	12300	17.3	27	30
BAYHTR1508BRK BAYHTR1508LUG	1/1	7.7	26200	32.0	45	45	5.8	19700	27.7	39	40
BAYHTR1510BRK BAYHTR1510LUG	1/1	9.6	32800	40.0	55	60	7.2	24600	34.6	48	50
BAYHTR1517BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	55	60	7.2	24600	34.6	48	50
BAYHTR1517BRK- Circuit 2		4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
BAYHTR1523BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	55	60	7.2	24600	34.6	48	50
BAYHTR1523BRK- Circuit 2		9.6	32800	40.0	50	50	7.2	24600	34.6	43	45
BAYHTR3510LUG	1/3	9.6	32800	23.1	33	35	7.2	24600	20.0	30	30

Performance and Electrical Data

Table 10. Electrical Data (continued)

STEM4D05AC31SA											
BAYHTR3517LUG	1/3	14.4	49100	34.6	48	50	10.8	36900	30.0	48	50
BAYHTR1517BRK with single circuit power source kit BAYSPEKT201A	1/1	14.4	49100	60.0	80	80	10.8	36900	51.9	70	70
BAYHTR1523BRK with single circuit power source kit BAYSPEKT201A	1/1	19.2	65500	80.0	105	105	14.4	49100	69.2	91	95

Note: * = Motor Amps

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

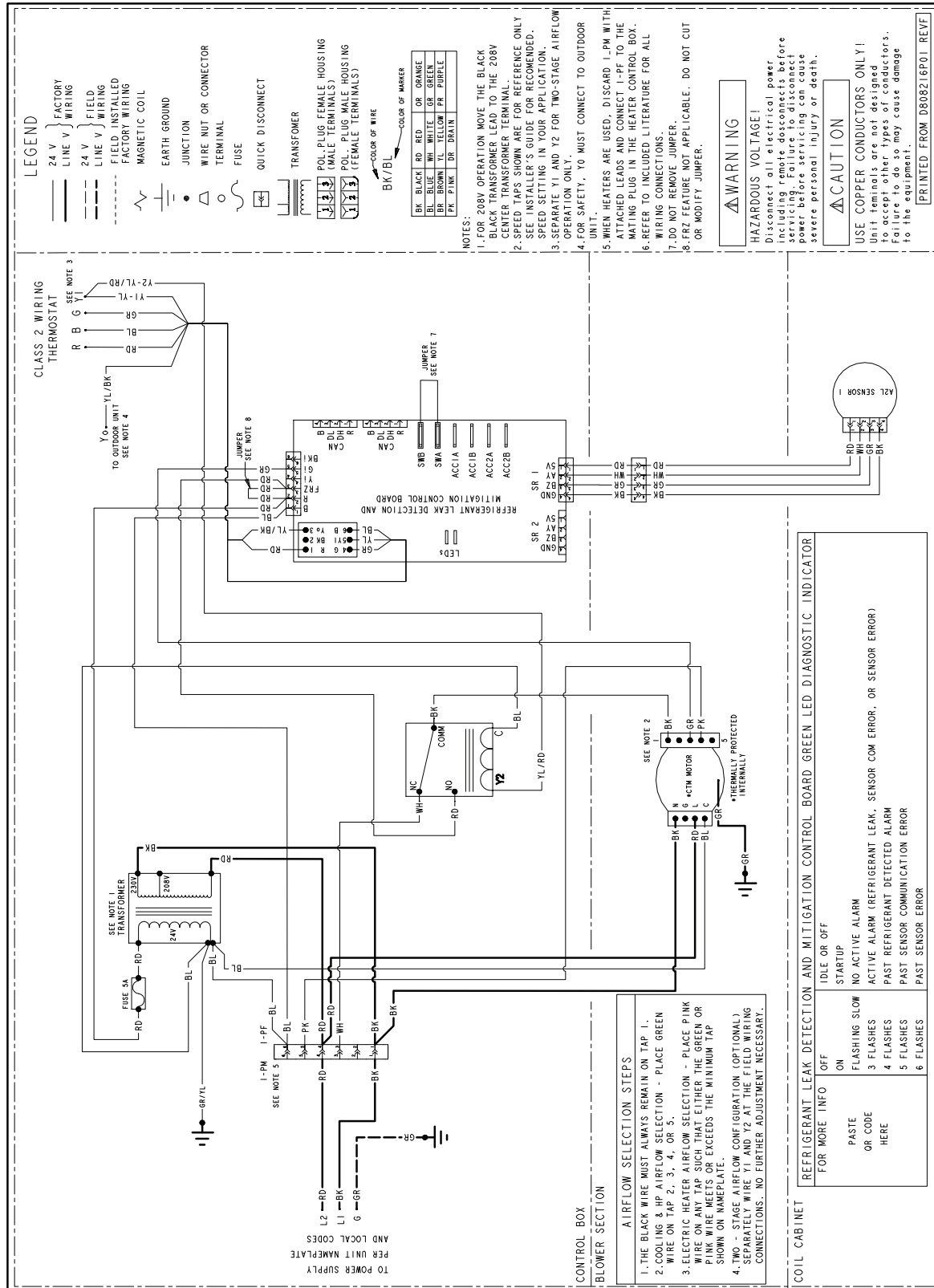
Table 11. Electrical Data

STEM4D06AC41SA, STEM4D07AC51SA											
Heater Model No.	No. of Circuits/ Phases	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				6.0*	8	15			6.0*	8	15
BAYHTR1504BRK BAYHTR1504LUG	1/1	3.8	13100	16.0	28	30	2.9	9800	13.8	25	25
BAYHTR1505BRK BAYHTR1505LUG	1/1	4.8	16400	20.0	33	35	3.6	12300	17.3	29	30
BAYHTR1508BRK BAYHTR1508LUG	1/1	7.7	26200	32.0	48	50	5.8	19700	27.7	42	45
BAYHTR1510BRK BAYHTR1510LUG	1/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60
BAYHTR1517BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60
BAYHTR1517BRK- Circuit 2		4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
BAYHTR1523BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60
BAYHTR1523BRK- Circuit 2		9.6	32800	40.0	50	50	7.2	24600	34.6	43	45
BAYHTR1525BRK- Circuit 1	4/1	6.0	20500	25.0	39	40	4.5	15400	21.6	35	35
BAYHTR1525BRK- Circuit 2		6.0	20500	25.0	31	35	4.5	15400	21.6	27	30
BAYHTR1525BRK- Circuit 3		6.0	20500	25.0	31	35	4.5	15400	21.6	27	30
BAYHTR1525BRK- Circuit 4		6.0	20500	25.0	31	35	4.5	15400	21.6	27	30
BAYHTR3510LUG	1/3	9.6	32800	23.1	36	40	7.2	24600	20.0	32	35
BAYHTR3517LUG	1/3	14.4	49100	34.6	50	50	10.8	36900	30.0	44	45
BAYHTR1517BRK with single circuit power source kit BAYSPEKT201A	1/1	14.4	49100	60.0	83	85	10.8	36900	51.9	73	75
BAYHTR1523BRK with single circuit power source kit BAYSPEKT201A	1/1	19.2	65500	80.0	108	110	14.4	49100	69.2	94	95

Note: * = Motor Amps

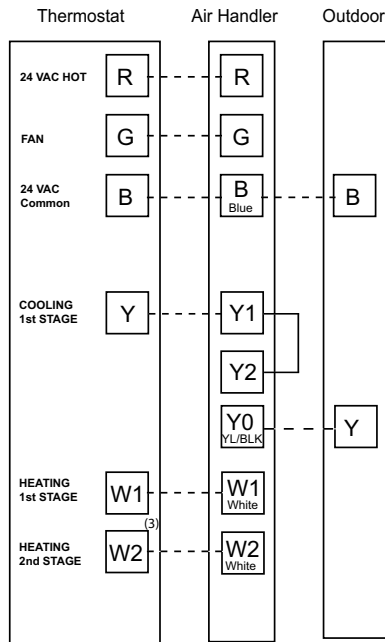
(a) MCA and MOP for circuit 1 contains the motor amps.

Wiring Diagram

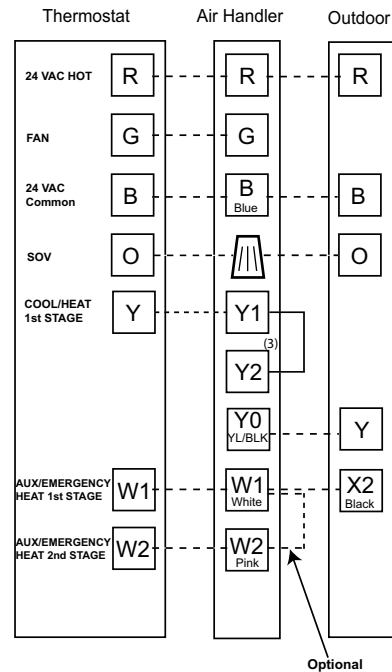


Field Wiring Diagrams

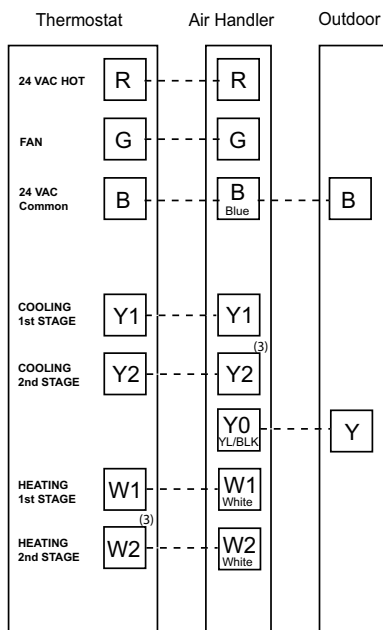
Single Stage, Cooling Only



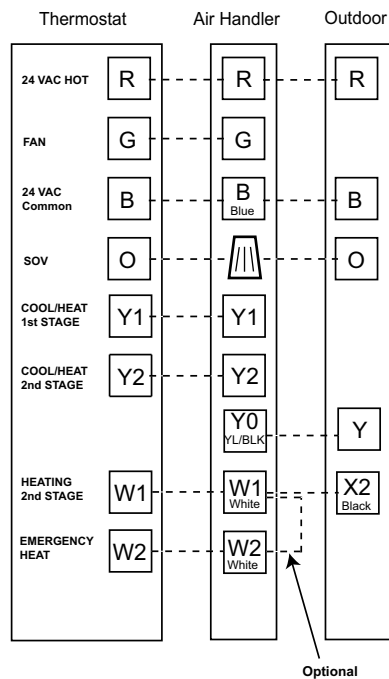
Single Stage, HP



2 Stage Indoor Airflow, Cooling Only



2 Stage Indoor Airflow, HP



Notes:

1. Units with pigtails require wirenuts for connections.
2. Cap all unused wires.
3. In AC systems for multiple stages of electric heat, jumper W1 and W2 together if comfort control has only one stage of heat.

Field Wiring Diagrams

External Switches and Accessories

The following optional connections are available on the mitigation control board (see hook-up diagrams [Figure 1, p. 15](#)):

- ACC1 and ACC2 accessory connections. Use when connecting an accessory to the air handler that could be considered a source of ignition (ex. electronic air cleaner).
- Aoa/Aob audible alarm connections. Use when configuring an audible alarm on the refrigerant detection system of the air handler.

ACC1, ACC2, and Aoa/Aob are dry contacts and need source voltage provided from either the accessory or the unit's control wiring.

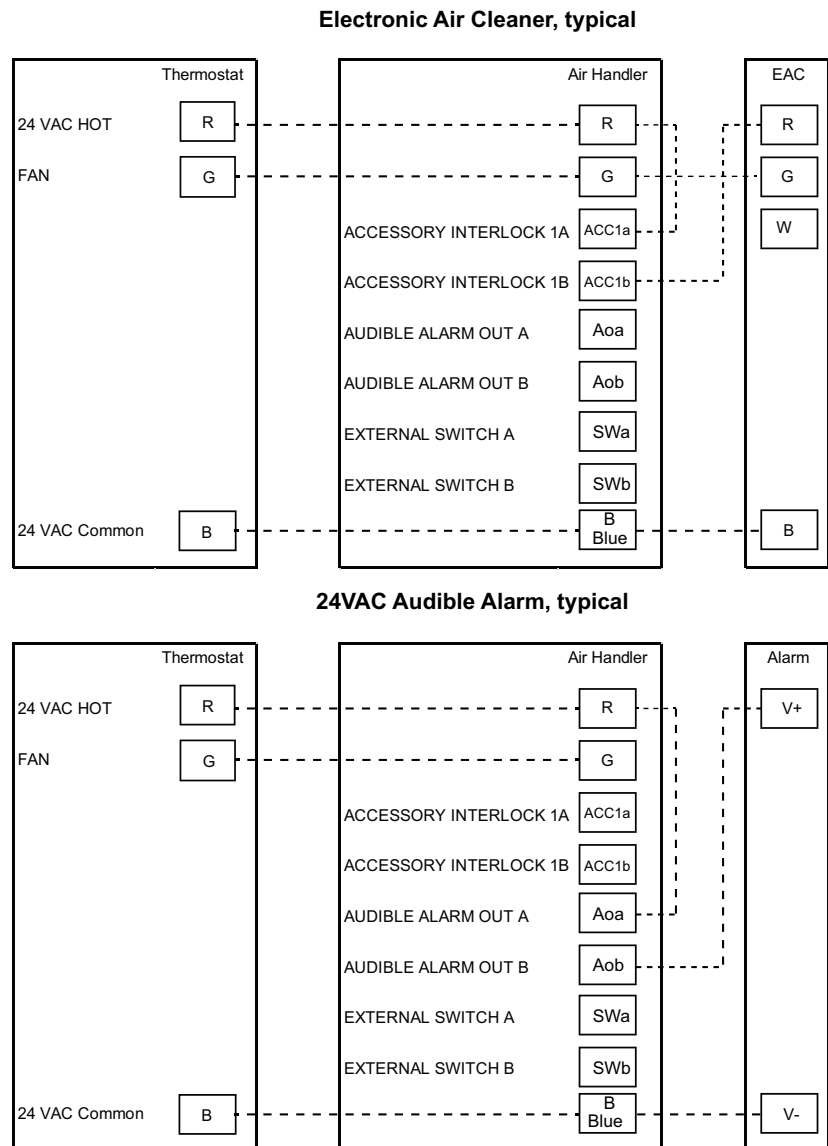
Connect using field-supplied 3/16" (Aoa/Aob) or 1/4" (ACC1, ACC2) female spade connections.



SCAN ME

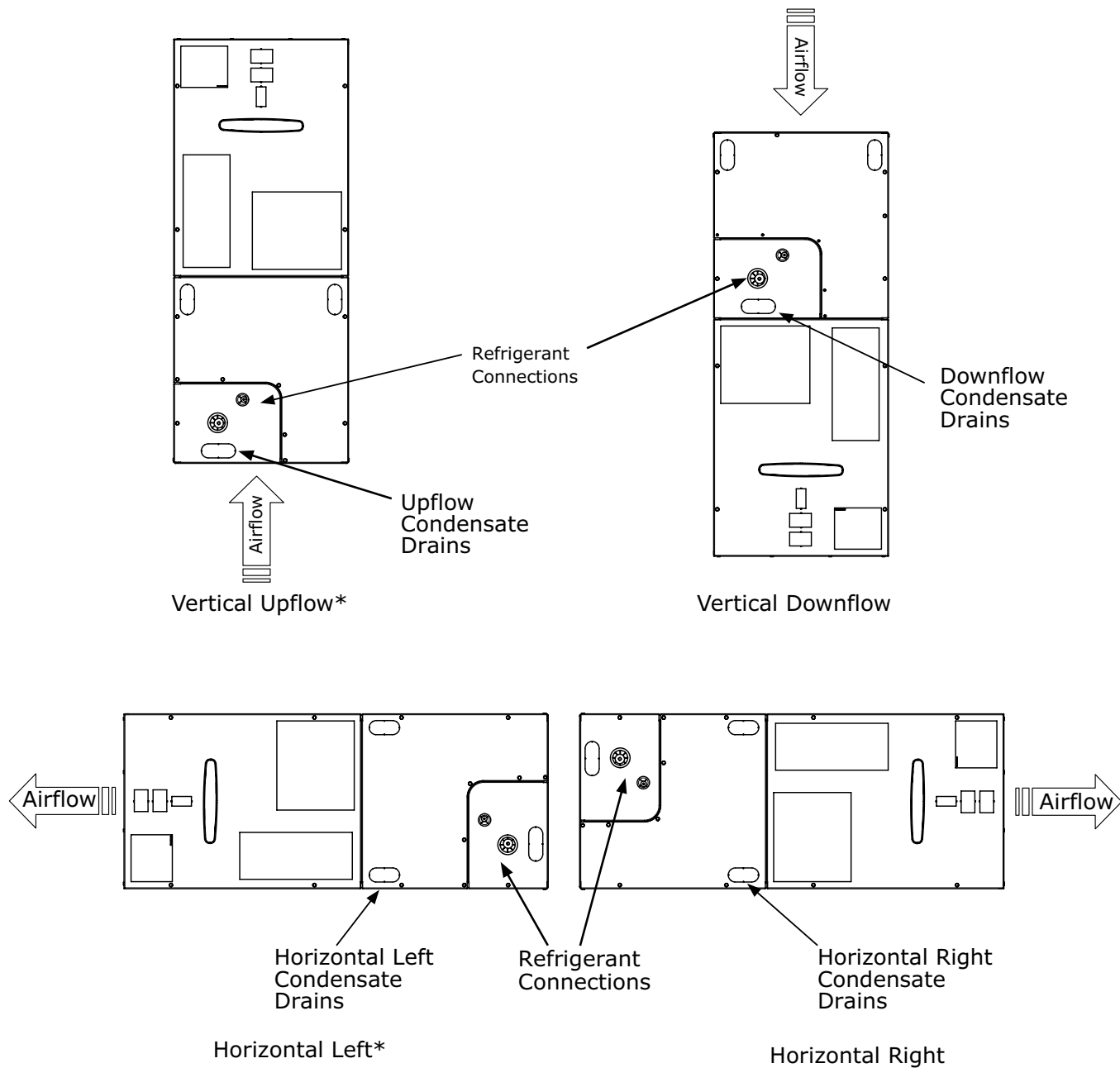
Scan QR code to view instructional videos on field wiring for CleanEffects or AccuClean electronic air cleaners.

Figure 1. Accessories Diagram

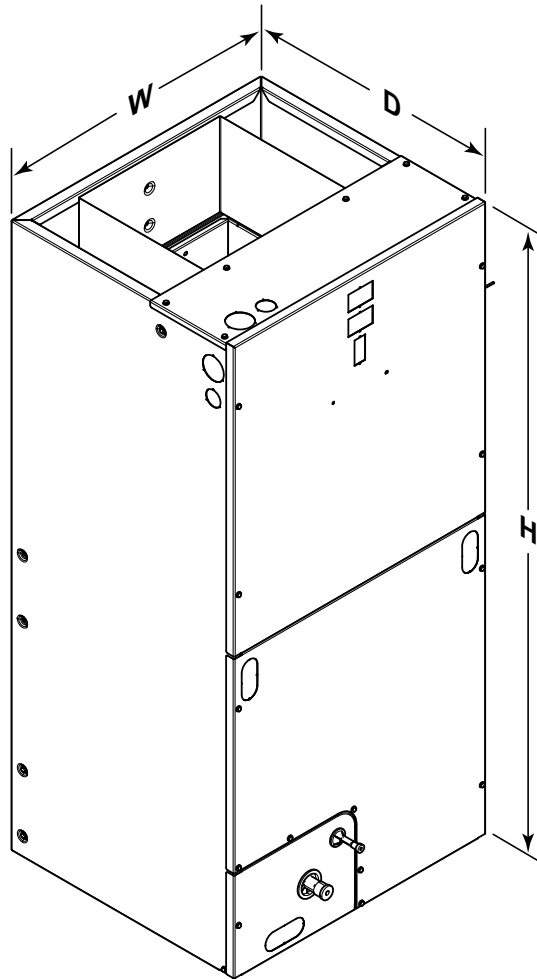


TEM Convertibility

Figure 2. Multi-Position Air Handler
* = No Internal Modifications Required.

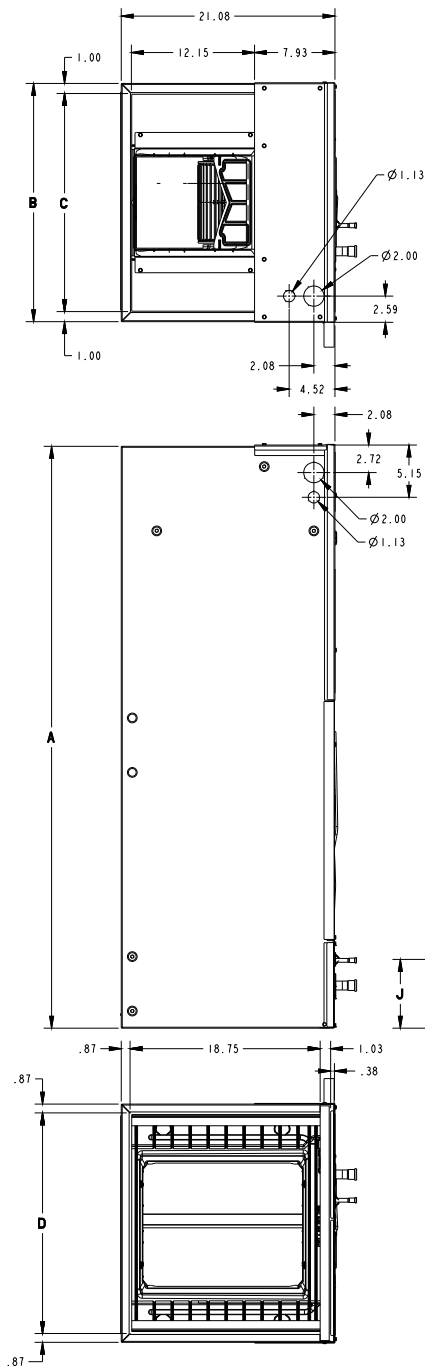


Dimensional Data



Model No.	H	W	D
5TEM4B02	45.02	18.50	21.08
5TEM4B03	46.77	18.50	21.08
5TEM4D04, 05, 06	51.27	23.50	21.08
5TEM4D07	57.40	23.50	21.08

Outline Drawing



Minimum Unit Clearance Table	
	Service Clearance Recommended
Sides	2"
Front	21"
Back	0"
Inlet Duct	1"
Outlet Duct	N/A

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

ALL DIMENSIONS ARE REFERENCE DIMENSIONS

Dwg No. D808390 Rev A

PRODUCT DIMENSIONS

Air Handler Model	A	B	C	D	E	F	H	J	Flow Control	Gas Line Braze
5TEM4B02	45.02	18.50	16.50	16.75	5.43	7.08	18.32	5.76	TXV	3/4
5TEM4B03	46.77	18.50	16.50	16.75	5.43	7.08	20.07	5.76	TXV	3/4
5TEM4D04, 05, 06	51.27	23.50	21.50	21.75	7.01	9.66	24.58	6.76	TXV	7/8
5TEM4D07	57.40	23.50	21.50	21.75	7.01	9.66	30.71	6.76	TXV	7/8
All dimensions are in inches										

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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.

12-1450-1A-EN 30 Apr 2024
Supersedes (New)

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