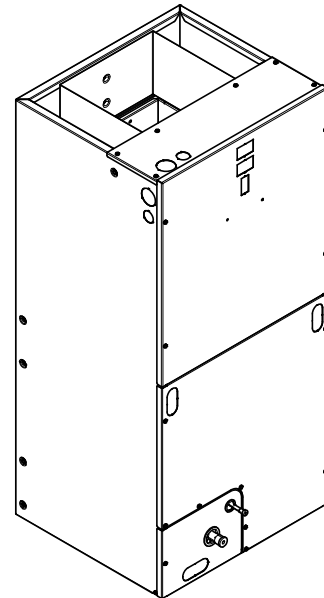




Product Data

Convertible Air Handlers 1-1/2 — 5 Ton

TEM4A0B18S21SA
TEM4A0B24S21SA
TEM4A0B30S31SA
TEM4A0C36S41SA
TEM4A0C42S41SA
TEM4A0C48S41SA
TEM4A0C60S51SA



The TEM4 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 with Enhanced Patented Coil Fin
- Electric Heaters with polarized plug connections (sold as accessory)
- R-410A Thermal Expansion Valve
- ECM Motor **(3.5 – 5 Ton Models)**
- Low Voltage Pigtail Connections
- Draw Through Design
- Horizontal Drain pan
- Single Color
- Fused 24V Power
- **1 year warranty**
- **10-year warranty registered**
- **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"
BAYHTR1504PDC	Electric Heater, 4KW, Pull Disconnect, 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"
BAYHTR1505PDC	Electric Heater, 5KW, Pull Disconnect, 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"
BAYHTR1508PDC	Electric Heater, 8KW, Pull Disconnect, 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"
BAYHTR1510PDC	Electric Heater, 10KW, Pull Disconnect, 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"
BAYHTR1515BRK	Electric Heater, 15KW, Breaker, 24V Control, 1 Ph	18.5" and 23.5"
BAYHTR3515LUG	Electric Heater, 15KW, Lug, 24V Control, 3 Ph	18.5" and 23.5"
BAYHTR1519BRK	Electric Heater, 20KW, Breaker, 24V Control, 1 Ph	18.5"
BAYHTR1520BRK	Electric Heater, 20KW, Breaker, 24V Control, 1 Ph	23.5"
BAYHTR1521BRK	Electric Heater, 20KW, Breaker, 24V Control, 1 Ph	23.5"
BAYTEMSPFG1A	Supply Duct Flange Kit	18.5" and 23.5"
BAYSPEKT201A	Single Point Power Entry Kit	18.5" and 23.5"
BAYTEMDFKT1A ^(a)	Downflow Condensate Management Kit	23.5" (5 Ton only)
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"

^(a) Required with all 5-ton air handler models in downflow orientation.



Product Specifications

MODEL	TEM4A0B18S21SA	TEM4A0B24S21SA	TEM4A0B30S31SA	TEM4A0C36S41SA
RATED VOLTS/PH/HZ	208-230/1/60	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	See O.D. Specifications
INDOOR COIL — Type	Plate Fin	Plate Fin	Plate Fin	Plate Fin
Rows — F.P.I.	3 - 14	3 - 14	3 - 14	3 - 14
Face Area (sq. ft.)	4.37	4.37	4.37	5.50
Tube Size (in.)	3/8	3/8	3/8	3/8
Refrigerant Control	TXV	TXV	TXV	TXV
Drain Conn. Size (in.) ^(b)	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 X 7	9 X 7	10 X 8	10 X 10
No. Used	1	1	1	1
Drive - No. Speeds	Direct - 3	Direct - 3	Direct - 3	Direct - 3
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
No. Motors — H.P.	1 - 1/4	1 - 1/4	1 - 1/2	1 - 1/2
Motor Speed R.P.M.	1075	1075	1075	1075
Volts/Ph/HZ	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps	1.3	1.3	2.5	2.6
FILTER				
Filter Furnished? ^(c)	No	No	No	No
REFRIGERANT	R-410A	R-410A	R-410A	R-410A
Ref. Line Connections	Brazed	Brazed	Brazed	Brazed
Coupling or Conn. Size — in. Gas	3/4	3/4	3/4	7/8
Coupling or Conn. Size — in. Liq.	3/8	3/8	3/8	3/8
DIMENSIONS	H x W x D	H x W x D	H x W x D	H x W x D
Crated (In.)	46 x 21 x 24	46 x 21 x 24	46 x 21 x 24	52-1/2 x 26 x 24
Uncrated	45-1/8 x 18-1/2 x 21-1/8	45-1/8 x 18-1/2 x 21-1/8	45-1/8 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	116/110	116/110	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	TEM4A0C42S41SA	TEM4A0C48S41SA	TEM4A0C60S51SA
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	4 - 14
Face Area (sq. ft.)	5.50	5.50	5.91
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.)	10 X 10	10 X 10	11 X 10
No. Used	1	1	1
Drive - No. Speeds	Direct - 3 ^(c)	Direct - 3 ^(c)	Direct - 3 ^(c)
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
Motor Speed R.P.M.	1050	1050	1050
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps	4.1	6.3	6.3
FILTER			
Filter Furnished? ^(d)	No	No	No
REFRIGERANT	R-410A	R-410A	R-410A
Ref. Line Connections	Brazed	Brazed	Brazed
Coupling or Conn. Size — in. Gas	7/8	7/8	7/8
Coupling or Conn. Size — in. Liq.	3/8	3/8	3/8
DIMENSIONS	H x W x D	H x W x D	H x W x D
Crated (In.)	52-1/2 x 26 x 24	52-1/2 x 26 x 24	52-1/2 x 26 x 24
Uncrated	51-3/8 x 23-1/2 x 21-1/8	51-3/8 x 23-1/2 x 21-1/8	51-3/8 x 23-1/2 x 21-1/8
WEIGHT			
Shipping (Lbs.) / Net (Lbs.)	145/138	145/138	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) ECM Motor

^(d) Remote filter required.



Heater Pressure Drop Table

TEM Air Handler Models

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
1700	0.02	0.04	0.06	0.14		BAYHTR1505	1
1600	0.02	0.04	0.06	0.13		BAYHTR1508	2
1500	0.02	0.04	0.06	0.12		BAYHTR1510	2
1400	0.02	0.04	0.06	0.12		BAYHTR3510	3
1300	0.02	0.04	0.05	0.11		BAYHTR1515	3
1200	0.01	0.04	0.05	0.10		BAYHTR3515	3
1100	0.01	0.03	0.05	0.09		BAYHTR1519	4
1000	0.01	0.03	0.04	0.09		BAYHTR1520	4
900	0.01	0.03	0.04	0.08		BAYHTR1521	4
800	0.01	0.03					
700	0.01	0.02					
600	0.01	0.02					



Minimum Airflow CFM

TEM4A0B18S21SA, TEM4A0B24S21SA		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504PDC, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505PDC, BAYHTR1505LUG	Low	Low
BAYHTR1508BRK, BAYHTR1508PDC, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510PDC, BAYHTR1510LUG, BAYHTR3510LUG	Low	Low

TEM4A0B30S31SA		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504PDC, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505PDC, BAYHTR1505LUG	Low	Low
BAYHTR1508BRK, BAYHTR1508PDC, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510PDC, BAYHTR1510LUG, BAYHTR3510LUG	Low	Low
BAYHTR1515BRK, BAYHTR3515LUG, BAYHTR1519BRK	Low	Low

TEM4A0C36S41SA		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504PDC, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505PDC, BAYHTR1505LUG	Low	Low
BAYHTR1508BRK, BAYHTR1508PDC, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510PDC, BAYHTR1510LUG, BAYHTR3510LUG	Low	Low
BAYHTR1515BRK, BAYHTR3515LUG, BAYHTR1520BRK	Low	Low

TEM4A0C42S41SA		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504PDC, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505PDC, BAYHTR1505LUG	Low	Low
BAYHTR1508BRK, BAYHTR1508PDC, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510PDC, BAYHTR1510LUG, BAYHTR3510LUG	Low	Low
BAYHTR1515BRK, BAYHTR3515LUG, BAYHTR1520BRK	Low	Low

TEM4A0C48S41SA		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504PDC, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505PDC, BAYHTR1505LUG	Low	Low
BAYHTR1508BRK, BAYHTR1508PDC, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510PDC, BAYHTR1510LUG, BAYHTR3510LUG	Low	Low
BAYHTR1515BRK, BAYHTR3515LUG, BAYHTR1521BRK	Low	Low

TEM4A0C60S51SA		
Heater	Minimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504PDC, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505PDC, BAYHTR1505LUG	Low	Low
BAYHTR1508BRK, BAYHTR1508PDC, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510PDC, BAYHTR1510LUG, BAYHTR3510LUG	Low	Low
BAYHTR1515BRK, BAYHTR3515LUG, BAYHTR1520BRK	Low	Low
Low = Taps 1-3		



Minimum Airflow CFM

Air Handler and Heater Matrix Allowable Combinations

TEM4 MINIMUM HEATER AIRFLOW CFM — HEATER MATRIX						
Model No.	BAYHTR1504BRK * BAYHTR1504PDC * BAYHTR1504LUG * BAYHTR1505BRK * BAYHTR1505PDC * BAYHTR1505LUG *	BAYHTR1508BRK * BAYHTR1508PDC * BAYHTR1508LUG * BAYHTR1510BRK * BAYHTR1510PDC * BAYHTR1510LUG * BAYHTR3510LUG *	BAYHTR1515BRK * BAYHTR3515LUG *	BAYHTR1519BRK *	BAYHTR1520BRK *	BAYHTR1521BRK *
TEM4A0B18S21S *	L / L	L / L	— —	— —	— —	— —
TEM4A0B24S21S *	L / L	L / L	— —	— —	— —	— —
TEM4A0B30S31S *	L / L	L / L	L / L	L / L	— —	— —
TEM4A0C36S41S * (a)	L / L	L / L	L / L	— —	L / L	— —
TEM4A0C42S41S * (a)	L / L	L / L	L / L	— —	L / L	— —
TEM4A0C48S41S * (a)	L / L	L / L	L / L	— —	— —	L / L
TEM4A0C60S51S * (a)	L / L	L / L	L / L	— —	L / L	— —
1. Cooling / HP Airflow 2. * = Followed by two digits						

(a) Taps 1–3 = Low, Tap 4 = Med, Tap 5 = High



Performance and Electrical Data

Table 1. Air Flow Performance

TEM4A0B18S21SA, TEM4A0B24S21SA (a)						
EXTERNAL STATIC (in w.g.)	AIRFLOW					
	Speed Taps — 230 VOLTS			Speed Taps — 208 VOLTS		
	High	Med	Low †	High	Med	Low †
0.1	984	903	719	946	827	612
0.2	948	868	694	910	796	589
0.3	906	828	665	868	760	567
0.4	858	781	630	820	717	543
0.5	802	726	588	764	666	513
0.6	735	660	537	697	605	
0.7	651	581		614	532	
1. Values are with wet coil, no filter, and no heaters 2. CFM Correction for dry coil = Add 3% 3. † = Factory setting						

(a) For the TEM4A0B24S21SA, the recommended speed tap is medium at 0.4" external static pressure.

Table 2. Electrical Data

TEM4A0B18S21SA, TEM4A0B24S21SA											
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				1.3 *	2	15			1.3 *	2	15
BAYHTR1504BRK BAYHTR1504PDC BAYHTR1504LUG	1/1	3.84	13100	16.0	22	25	2.88	9800	13.8	19	20
BAYHTR1505BRK BAYHTR1505PDC BAYHTR1505LUG	1/1	4.80	16400	20.0	27	30	3.60	12300	17.3	23	25
BAYHTR1508BRK BAYHTR1508PDC BAYHTR1508LUG	1/1	7.68	26200	32.0	42	45	5.76	19700	27.7	36	40
BAYHTR1510BRK BAYHTR1510PDC BAYHTR1510LUG	1/1	9.60	32800	40.0	52	60	7.20	24600	34.6	45	45
BAYHTR3510LUG	1/3	9.60	32800	23.1	30	30	7.20	24600	20.0	26	30
* = Motor Amps											



Performance and Electrical Data

Table 3. Air Flow Performance

TEM4A0B30S31SA						
EXTERNAL STATIC (in w.g.)	AIRFLOW					
	Speed Taps — 230 VOLTS			Speed Taps — 208 VOLTS		
	High	Med	Low †	High	Med	Low †
0.1	1461	1336	979	1406	1173	834
0.2	1404	1291	971	1352	1152	819
0.3	1344	1242	962	1295	1121	810
0.4	1281	1188	944	1234	1081	804
0.5	1214	1130	916	1169	1035	791
0.6	1142	1066	876	1100	981	768
0.7	1066	997		1026	920	732
1. Values are with wet coil, no filter, and no heaters 2. CFM Correction for dry coil = Add 3% 3. † = Factory setting 4. In downflow applications, airflow must not exceed 1200 cfm due to condensate blowoff.						

Table 4. Electrical Data

TEM4A0B30S31SA											
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				2.5 *	3	15			2.5 *	3	15
BAYHTR1504BRK BAYHTR1504PDC BAYHTR1504LUG	1/1	3.84	13100	16.0	23	25	2.88	9800	13.8	20	20
BAYHTR1505BRK BAYHTR1505PDC BAYHTR1505LUG	1/1	4.8	16400	20.0	28	30	3.6	12300	17.3	25	25
BAYHTR1508BRK BAYHTR1508PDC BAYHTR1508LUG	1/1	7.68	26200	32.0	43	45	5.76	19700	27.7	38	40
BAYHTR1510BRK BAYHTR1510PDC BAYHTR1510LUG	1/1	9.6	32800	40.0	53	60	7.2	24600	34.6	46	50
BAYHTR1515BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	53	60	7.2	24600	34.6	46	50
BAYHTR1515BRK- Circuit 2		4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
BAYHTR1519BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	53	60	7.2	24600	34.6	46	50
BAYHTR1519BRK- Circuit 2		9.6	32800	40.0	50	50	7.2	24600	34.6	43	45
BAYHTR3510LUG	1/3	9.6	32800	23.1	32	35	7.2	24600	20.0	28	30
BAYHTR3515LUG	1/3	14.4	49100	34.6	46	50	10.8	36900	30.0	40	40
BAYHTR1515BRK with single circuit power source kit BAYSPEKT201A	1/1	14.4	49100	60.0	83	90	10.8	36900	51.9	73	80
BAYHTR1519BRK with single circuit power source kit BAYSPEKT201A	1/1	19.2	65500	80.0	108	110	14.4	49100	69.2	94	100
* = Motor Amps											

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

Table 5. Air Flow Performance

TEM4A0C36S41SA						
EXTERNAL STATIC (in w.g.)	AIRFLOW					
	Speed Taps — 230 VOLTS			Speed Taps — 208 VOLTS		
	High	Med	Low †	High	Med	Low †
0.1	1959	1704	1344	1786	1465	1154
0.2	1898	1675	1332	1748	1462	1126
0.3	1828	1631	1325	1697	1444	1108
0.4	1750	1574	1310	1633	1410	1095
0.5	1662	1504	1277	1557	1359	1076
0.6	1563	1420	1223	1468	1289	1039
0.7	1452	1321		1365		

1. Values are with wet coil, no filter, and no heaters
 2. CFM Correction for dry coil = Add 3%
 3. † = Factory setting
 4. The recommended speed tap is low at 0.5" external static pressure.
 5. In downflow applications, airflow must not exceed 1600 cfm due to condensate blowoff.

Table 6. Electrical Data

TEM4A0C36S41SA											
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 BAYHTR1504PDC BAYHTR1504LUG	1/1	3.84	13100	16.0	23	25	2.88	9800	13.8	21	25
BAYHTR1505BRK BAYHTR1505PDC BAYHTR1505LUG	1/1	4.8	16400	20.0	28	30	3.6	12300	17.3	25	25
BAYHTR1508BRK BAYHTR1508PDC BAYHTR1508LUG	1/1	7.68	26200	32.0	43	45	5.76	19700	27.7	38	40
BAYHTR1510BRK BAYHTR1510PDC BAYHTR1510LUG	1/1	9.6	32800	40.0	53	60	7.2	24600	34.6	47	50
BAYHTR1515BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	53	60	7.2	24600	34.6	47	50
BAYHTR1515BRK- Circuit 2		4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
BAYHTR1520BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	53	60	7.2	24600	34.6	47	50
BAYHTR1520BRK- Circuit 2		9.6	32800	40.0	50	50	7.2	24600	34.6	43	45
BAYHTR3510LUG	1/3	9.6	32800	23.1	32	35	7.2	24600	20.0	28	30
BAYHTR3515LUG	1/3	14.4	49100	34.6	46	50	10.8	36900	30.0	40	40
BAYHTR1515BRK with single circuit power source kit BAYSPEKT201A	1/1	14.4	49100	60.0	83	90	10.8	36900	51.9	73	80
BAYHTR1520BRK with single circuit power source kit BAYSPEKT201A	1/1	19.2	65500	80.0	108	110	14.4	49100	69.2	94	100

* = Motor Amps

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



Performance and Electrical Data

Table 7. Air Flow Performance

TEM4A0C42S41SA			
EXTERNAL STATIC (in w.g)	AIRFLOW		
	Speed Taps — 208–230 VOLTS		
	High	Med	Low †
0.1	1623	1509	1403
0.2	1583	1465	1357
0.3	1539	1420	1309
0.4	1494	1373	1260
0.5	1450	1326	1211
0.6	1399	1276	1159
0.7	1353	1223	1102

- Values are with wet coil, no filter, and no heaters
- CFM Correction for dry coil = Add 3%
- † = Factory setting
- Low = Taps 1–3, Med = Tap 4, High = Tap 5
- In downflow applications, airflow must not exceed 1600 cfm due to condensate blowoff.

Table 8. Electrical Data

TEM4A0C42S41SA											
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 BAYHTR1504PDC BAYHTR1504LUG	1/1	3.84	13100	16.0	25	25	2.88	9800	13.8	22	25
BAYHTR1505BRK BAYHTR1505PDC BAYHTR1505LUG	1/1	4.8	16400	20.0	30	30	3.6	12300	17.3	27	30
BAYHTR1508BRK BAYHTR1508PDC BAYHTR1508LUG	1/1	7.68	26200	32.0	45	45	5.76	19700	27.7	40	40
BAYHTR1510BRK BAYHTR1510PDC BAYHTR1510LUG	1/1	9.6	32800	40.0	55	60	7.2	24600	34.6	48	50
BAYHTR1515BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	55	60	7.2	24600	34.6	48	50
BAYHTR1515BRK- Circuit 2		4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
BAYHTR1520BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	55	60	7.2	24600	34.6	48	50
BAYHTR1520BRK- 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
BAYHTR3515LUG	1/3	14.4	49100	34.6	48	50	10.8	36900	30.0	42	45
BAYHTR1515BRK with single circuit power source kit BAYSPEKT201A	1/1	14.4	49100	60.0	83	90	10.8	36900	51.9	73	80
BAYHTR1520BRK with single circuit power source kit BAYSPEKT201A	1/1	19.2	65500	80.0	108	110	14.4	49100	69.2	94	100

* = Motor Amps

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

Table 9. Air Flow Performance

TEM4A0C48S41SA			
EXTERNAL STATIC (in w.g)	AIRFLOW		
	Speed Taps — 208–230 VOLTS		
	High	Med	Low †
0.1	1784	1698	1634
0.2	1748	1662	1595
0.3	1715	1627	1559
0.4	1682	1591	1521
0.5	1650	1558	1488
0.6	1618	1525	1455
0.7	1499	1494	1422

1. Values are with wet coil, no filter, and no heaters
 2. CFM Correction for dry coil = Add 3%
 3. † = Factory setting
 4. Low = Taps 1–3, Med = Tap 4, High = Tap 5
 5. In downflow applications, airflow must not exceed 1600 cfm due to condensate blowoff.

Table 10. Electrical Data

TEM4A0C48S41SA											
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				6.3 *	8	15			6.3 *	8	15
BAYHTR1504BRK BAYHTR1504PDC BAYHTR1504LUG	1/1	3.84	13100	16	28	30	2.88	9800	13.8	25	25
BAYHTR1505BRK BAYHTR1505PDC BAYHTR1505LUG	1/1	4.8	16400	20.0	33	35	3.6	12300	17.3	30	30
BAYHTR1508BRK BAYHTR1508PDC BAYHTR1508LUG	1/1	7.68	26200	32.0	48	50	5.76	19700	27.7	42	45
BAYHTR1510BRK BAYHTR1510PDC BAYHTR1510LUG	1/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60
BAYHTR1515BRK- Circuit 1 (a)	2/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60
BAYHTR1515BRK- Circuit 2		4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
BAYHTR1521BRK- Circuit 1 (a)	2/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60
BAYHTR1521BRK- Circuit 2		9.6	32800	40.0	50	50	7.2	24600	34.6	43	45
BAYHTR3510LUG	1/3	9.6	32800	23.1	36	40	7.2	24600	20.0	32	35
BAYHTR3515LUG	1/3	14.4	49100	34.6	50	50	10.8	36900	30.0	44	45
BAYHTR1515BRK with single circuit power source kit BAYSPEKT201A	1/1	14.4	49100	60.0	83	90	10.8	36900	51.9	73	80
BAYHTR1521BRK with single circuit power source kit BAYSPEKT201A	1/1	19.2	65500	80.0	108	110	14.4	49100	69.2	94	100

* = Motor Amps

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



Performance and Electrical Data

Table 11. Air Flow Performance

TEM4A0C60S51SA			
EXTERNAL STATIC (in w.g)	AIRFLOW		
	Speed Taps — 208 – 230 VOLTS		
	High	Med †	Low
0.1	1954	1864	1780
0.2	1919	1827	1741
0.3	1885	1791	1704
0.4	1852	1756	1668
0.5	1821	1723	1633
0.6	1790	1691	1599
0.7	1761	1660	1567

1. Values are with wet coil, no filter, and no heaters
 2. CFM Correction for dry coil = Add 3%
 3. † = Factory Setting
 4. Low = Taps 1–3, Med = Tap 4, High = Tap 5
 5. BAYTEMDFKT1A must be used for downflow applications and airflow must not exceed 1800 cfm.

Table 12. Electrical Data

TEM4A0C60S51SA											
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 BAYHTR1504PDC BAYHTR1504LUG	1/1	3.84	13100	16.0	28	30	2.88	9800	13.8	25	25
BAYHTR1505BRK BAYHTR1505PDC BAYHTR1505LUG	1/1	4.8	16400	20.0	33	35	3.6	12300	17.3	30	30
BAYHTR1508BRK BAYHTR1508PDC BAYHTR1508LUG	1/1	7.68	26200	32.0	48	50	5.76	19700	27.7	42	45
BAYHTR1510BRK BAYHTR1510PDC BAYHTR1510LUG	1/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60
BAYHTR1515BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60
BAYHTR1515BRK- Circuit 2		4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
BAYHTR1520BRK- Circuit 1 ^(a)	2/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60
BAYHTR1520BRK- Circuit 2		9.6	32800	40.0	50	50	7.2	24600	34.6	43	45
BAYHTR3510LUG	1/3	9.6	32800	23.1	36	40	7.2	24600	20.0	32	35
BAYHTR3515LUG	1/3	14.4	49100	34.6	50	50	10.8	36900	30.0	44	45
BAYHTR1515BRK with single circuit power source kit BAYSPEKT201A	1/1	14.4	49100	60.0	83	90	10.8	36900	51.9	73	80
BAYHTR1520BRK with single circuit power source kit BAYSPEKT201A	1/1	19.2	65500	80.0	108	110	14.4	49100	69.2	94	100
* = Motor Amps											

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



CONTROL BOX

BLOWER SECTION

HEATER SECTION

LEGEND

RELAY CONTACT NC
RELAY CONTACT NO
TWISTED WIRE CONNECTION
MAGNETIC COIL
EARTH GROUND JUNCTION
CAPACITOR
WIRE NUT OR CONNECTOR
TERMINAL
TRANSFORMER
FUSE
TERMINAL BLOCK/BOARD
HIGH VOLTAGE
LOW VOLTAGE

PF
PM
POLARIZED PLUG (FEMALE HOUSING)
POLARIZED PLUG (MALE HOUSING)
THERMISTOR
INSULATED FEMALE TERMINAL
INSULATED MALE TERMINAL
COLOR OF WIRE
BK/BL
COLOR OF MARKER

BK BLACK RD RED GR GREEN
BL BLUE WH WHITE OR ORANGE
BR BROWN YL YELLOW PR PURPLE
PK PINK GR/YL GREEN/YELLOW

NOTES:

- FOR 208V OPERATION, MOVE THE BLACK TRANSFORMER LEAD TO THE 208V CENTER TRANSFORMER TERMINAL.
- SPEED TAP'S SHOWN ARE FOR REFERENCE ONLY. SEE INSTALLERS GUIDE FOR RECOMMENDED SPEED SETTINGS IN YOUR APPLICATION.
- WHEN HEATERS ARE USED, DISCARD 1-PF WITH ATTACHED LEADS AND CONNECT 1-PF TO THE MATING PLUG IN THE HEATER CONTROL BOX.

* THERMALLY PROTECTED INTERNALLY

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LEGEND

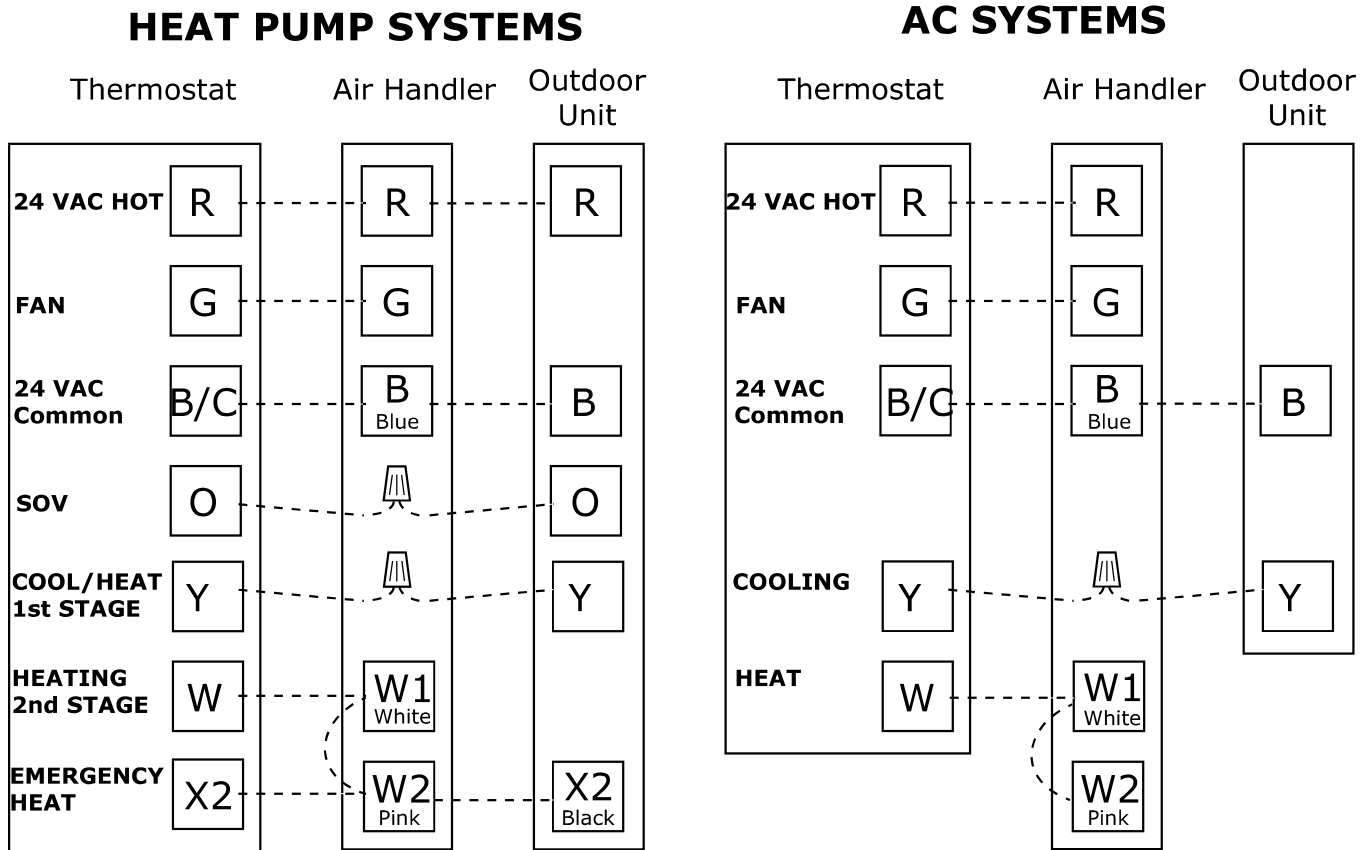
	RELAY CONTACT NC	PF	POLARIZED PLUG (FEMALE HOUSING)
	RELAY CONTACT NO	PM	POLARIZED PLUG (MALE HOUSING)
	TWISTED WIRE CONNECTION		THERMISTOR
	MAGNETIC COIL		WIRE NUT OR CONNECTOR TERMINAL
	EARTH GROUND		TRANSFORMER
	JUNCTION		FUSE
	CAPACITOR		TERMINAL BLOCK/BOARD
	INSULATED FEMALE TERMINAL		COLOR OF WIRE
	INSULATED MALE TERMINAL		COLOR OF MARKER

NOTES:

1. FOR 208V OPERATION, MOVE THE BLACK TRANSFORMER LEAD TO THE 208Y CENTER TRANSFORMER TERMINAL.
2. SPEED TAP'S SHOWN ARE FOR REFERENCE ONLY. SEE INSTALLERS GUIDE FOR RECOMMENDED SPEED SETTINGS IN YOUR APPLICATION.
3. WHEN HEATERS ARE USED, DISCARD 1-PM WITH ATTACHED LEADS AND CONNECT 1-PF TO THE MATING PLUG IN THE HEATER CONTROL BOX.
4. LINE CHOKES MAY NOT BE USED ON ALL MODELS.

Field Wiring

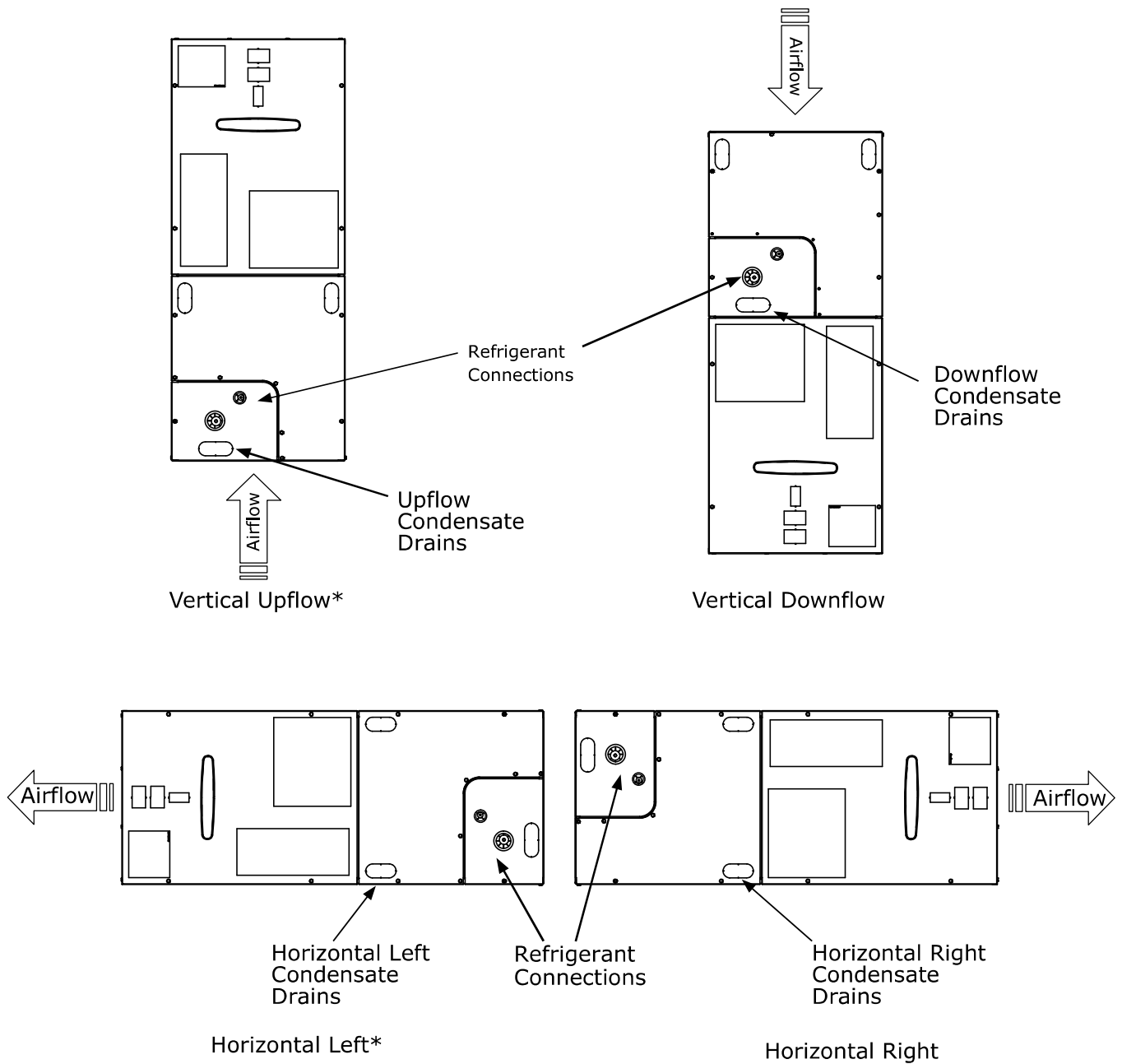
Figure 3. Field Wiring Diagrams



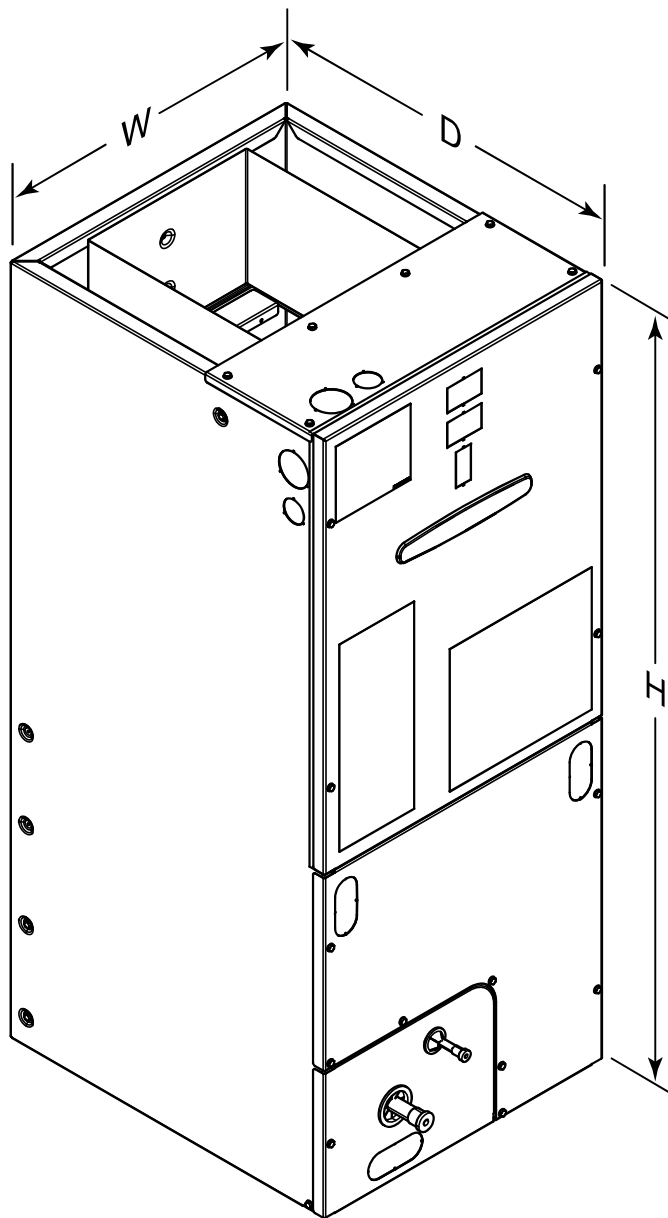
In AC systems for multiple stages of electric heat, jumper W1 and W2 together if comfort control has only one stage of heat.

TEM Convertibility

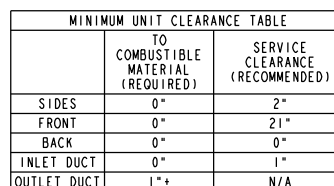
Figure 4. Multi-Position Air Handler
 * = No Internal Modifications Required.



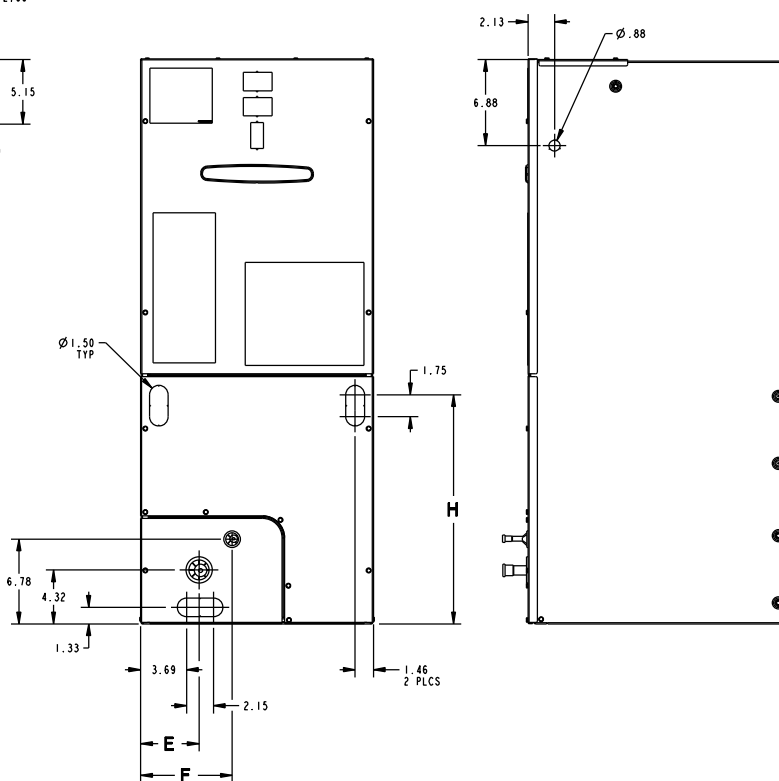
TEM4 Air Handler Dimensional Data



Model No.	H	W	D
TEM4A0B18S21SA	45.02	18.50	21.13
TEM4A0B24S21SA	45.02	18.50	21.13
TEM4A0B30S31SA	45.02	18.50	21.13
TEM4A0C36S41SA	51.27	23.50	21.13
TEM4A0C42S41SA	51.27	23.50	21.13
TEM4A0C48S41SA	51.27	23.50	21.13
TEM4A0C60S51SA	51.27	23.50	21.13



* 1" FOR THE FIRST 3 FT. OF OUTLET DUCT WHEN ELECTRIC HEATERS ARE INSTALLED: 0" AFTER THE FIRST 3 FT.



PRODUCT DIMENSIONS									
Air Handler Model	A	B	C	D	E	F	H	Flow Control	Gas Line Braze
TEM4A0B18, 24, 30	45.02	18.50	16.50	16.75	4.68	7.33	18.34	TXV	3/4
TEM4A0C36, 42, 48, 60	51.27	23.50	21.50	21.75	7.01	9.66	24.59	TXV	7/8
All dimensions are in inches									



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