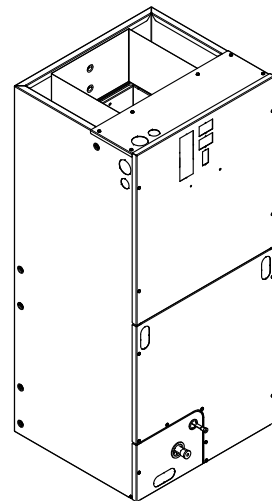




Product Data

Convertible Air Handlers 1-1/2 – 5 Ton

TEM8A0B24V21DC
TEM8A0B30V31DC
TEM8A0C36V31DC
TEM8A0C42V41DC
TEM8A0C48V41DC
TEM8B0C60V51DA



The TEM8 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.



Features and Benefits

- Communicating or 24 V control
- 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-410A Thermal Expansion Valve
- Variable Speed ECM Motor
- Low Voltage Pigtail Connections
- Draw Through Design
- Horizontal Drain Pan
- Single Color
- Fused 24V Power
- **3 year warranty**
- **10-year warranty registered**
- **Optional extended warranty available**

Optional Equipment

Accessory Number	Description	Fits Model
TEMBRKSEALKT	Breaker Seal Kit	TEM8A0B24-TEM8A0D60
BAYHTR1504BRK	Electric Heater, 4KW, Breaker, 24V Control, 1 Ph	TEM8A0B24-TEM8A0D60
BAYHTR1504LUG	Electric Heater, 4KW, Lug, 24V Control, 1 Ph	TEM8A0B24-TEM8A0D60
BAYHTR1505BRK	Electric Heater, 5KW, Breaker, 24V Control, 1 Ph	TEM8A0B24-TEM8A0D60
BAYHTR1505LUG	Electric Heater, 5KW, Lug, 24V Control, 1 Ph	TEM8A0B24-TEM8A0D60
BAYHTR1508BRK	Electric Heater, 8KW, Breaker, 24V Control, 1 Ph	TEM8A0B24-TEM8A0D60
BAYHTR1508LUG	Electric Heater, 8KW, Lug, 24V Control, 1 Ph	TEM8A0B24-TEM8A0D60
BAYHTR1510BRK	Electric Heater, 10KW, Breaker, 24V Control, 1 Ph	TEM8A0B24-TEM8A0D60
BAYHTR1510LUG	Electric Heater, 10KW, Lug, 24V Control, 1 Ph	TEM8A0B24-TEM8A0D60
BAYHTR1516BRK	Electric Heater, 15KW, Breaker, 24V Control, 1 Ph	TEM8A0B24-TEM8A0D60
BAYHTR3510LUG	Electric Heater, 10KW, Lug, 24V Control, 3 Ph	TEM8A0B24-TEM8A0D60
BAYHTR3515LUG	Electric Heater, 15KW, Lug, 24V Control, 3Ph	TEM8A0B24-TEM8A0D60
BAYHTR1517BRK	Electric Heater, 15KW, Breaker, 24V Control, 1 Ph	TEM8A0B24-TEM8A0D60
BAYHTR3517BRK	Electric Heater, 15KW, Lug, 24V Control, 3 Ph	TEM8A0B24-TEM8A0D60
BAYHTR1522BRK	Electric Heater, 20KW, Breaker, 24V Control, 1 Ph	TEM8A0B36-TEM8A0D60
BAYHTR1523BRK	Electric Heater, 20KW, Breaker, 24V Control, 1 Ph	TEM8A0B36-TEM8A0D60
BAYHTR1525BRK	Electric Heater, 25KW, Breaker, 24V Control, 1 Ph	TEM8A0B48-TEM8A0D60
BAYTEMSPFG1A/B	Supply Duct Flange Kit	TEM8A0B24-TEM8A0D60
BAYSPEKT201A	Single Point Power Entry Kit	TEM8A0B24-TEM8A0D60
TAYBASETEMA	Downflow Sub-Base, Adjustable	TEM8A0B24-TEM8A0D60
TAYBASE185	Air Handler Downflow Sub-Bases	TEM8A0B24-TEM8A0B30
TAYBASE235 (TAYBASE 100)	Air Handler Downflow Sub-Bases	TEM8A0C36-TEM8A0C42
TAYBASE260	Air Handler Downflow Sub-Bases	TEM8A0D48-TEM8A0D60
BAY6TXV2442A	R-22 TXV Conversion Kit	TEM8A0B24-TEM8A0C42
BAY6TXV4860A	R-22 TXV Conversion Kit	TEM8A0D48-TEM8A0D60
BAYATXV6161C	R-22 TXV Conversion Kit	TEM8A0C48-TEM8A0C60
BAYSF1185AAA	Slim Fit Filter Box	18.5"
BAYSF1235AAA	Slim Fit Filter Box	23.5"
BAYSF1265AAA	Slim Fit Filter Box	26.5"



Product Specifications

MODEL	TEM8A0B24V21DC	TEM8A0B30V31DC	TEM8A0C36V31DC
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 — 12
Face Area (sq. ft.)	4.13	4.13	5.5
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 - 16	Direct - 16	Direct - 16
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
Motor Speed R.P.M.	Variable	Variable	Variable
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps	2.8	3.9	3.9
FILTER			
Filter Furnished? ^(c)	No	No	No
REFRIGERANT	R-410A	R-410A	R-410A
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.)	48-1/4 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	46-3/4 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.)	126/117	126/117	155/144

^(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	TEM8A0C42V41DC	TEM8A0C48V41DC	TEM8B0C60V51DA
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.	4 — 12	4 — 14	4 — 14
Face Area (sq. ft.)	5.5	6.88	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 - 16	Direct - 16	Direct - 16
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.	Variable	Variable	Variable
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps	3.9	5.7	5.7
FILTER			
Filter Furnished? ^(c)	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.)	52-3/4 x 27-1/2 x 25-1/2	57-11/16 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	57-3/8 x 23-1/2 x 21-1/8	57-3/8 x 23-1/2 x 21-1/8
WEIGHT			
Shipping (Lbs.) / Net (Lbs.)	155/144	185/174	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
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	BAYHTR1517	3
1200	0.01	0.04	0.05	0.10	BAYHTR3517	3
1100	0.01	0.03	0.05	0.09	BAYHTR1523	4
1000	0.01	0.03	0.04	0.09	BAYHTR1525	4
900	0.01	0.03	0.04	0.08		
800	0.01	0.03				
700	0.01	0.02				
600	0.01	0.02				

Subcooling Adjustment

System Matched with:	Indoor Unit Model No.	Outdoor Model No.	Subcooling
15 SEER HP — 3 ton	TEM8A0C36V31 TEM8A0C42V41	4TWR5036G1000A 4A6H5036G1000A	14 Degrees
All other matches must be charged per the nameplate charging instructions			

Subcooling Adjustment for TEM8A0C48V41 & TEM8B0C60V51

Sub-Cooling Charge Specification For AHRI Rated Performance		
OD Equipment	Up Flow / Horizontal	Down Flow
AC UNIT	OD Name Plate	OD Name Plate
HP UNIT ≤ 3.5 Tons	OD Name Plate	OD Name Plate + 4 Degrees
HP UNIT = 4 and 5 Tons	OD Name Plate	OD Name Plate



Performance and Electrical Data

TEM8A0B24V21DC 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	430/538	430/415	430/264	430/NA	290 CFM Watts	434	419	419	403	384					
	350 CFM/ton	CFM Watts	520/620	520/514	520/398	520/NA	350 CFM Watts	521	512	514	500	485					
	400 CFM/ton	CFM Watts	60/53	90/64	120/61	135/NA	400 CFM Watts	44	77	112	153	196					
	450 CFM/ton	CFM Watts	590/688	590/593	590/493	590/NA	400 CFM Watts	595	589	595	584	573					
	450 CFM/ton	CFM Watts	75/67	105/80	140/80	160/NA	450 CFM Watts	56	91	127	173	222					
2 tons	290 CFM/ton	CFM Watts	670/758	670/671	660/581	660/NA	290 CFM Watts	668	667	675	668	660					
	350 CFM/ton	CFM Watts	85/85	125/100	160/102	190/NA	350 CFM Watts	71	107	145	196	250					
	400 CFM/ton	CFM Watts	570/670	570/573	570/469	570/NA	400 CFM Watts	575	569	573	561	549					
	450 CFM/ton	CFM Watts	60/63	90/76	125/75	165/NA	450 CFM Watts	53	87	123	167	215					
	450 CFM/ton	CFM Watts	690/781	690/696	690/609	690/518	450 CFM Watts	693	693	702	696	689					
2.5 tons †	290 CFM/ton	CFM Watts	85/91	120/107	160/110	210/98	290 CFM Watts	76	113	152	204	259					
	350 CFM/ton	CFM Watts	790/875	790/798	790/720	780/639	350 CFM Watts	791	795	805	803	798					
	400 CFM/ton	CFM Watts	110/122	150/140	195/145	250/137	400 CFM Watts	103	143	184	240	301					
	450 CFM/ton	CFM Watts	890/971	890/899	880/827	880/754	450 CFM Watts	889	895	902	899	891					
	450 CFM/ton	CFM Watts	145/161	185/181	235/189	295/184	450 CFM Watts	138	181	226	284	347					
2.5 tons †	290 CFM/ton	CFM Watts	720/823	720/741	710/659	710/573	290 CFM Watts	717	718	728	723	717					
	350 CFM/ton	CFM Watts	90/104	140/120	170/124	220/115	350 CFM Watts	82	120	159	212	269					
	400 CFM/ton	CFM Watts	870/963	860/892	873/819	860/746	400 CFM Watts	865	871	879	876	869					
	450 CFM/ton	CFM Watts	140/157	182/177	235/185	280/180	450 CFM Watts	128	170	214	272	335					
	450 CFM/ton	CFM Watts	958/1075	975/1000	946/878	871/711	450 CFM Watts	958	979	957	878	822					
2.5 tons †	290 CFM/ton	CFM Watts	147/170	203/195	269/211	342/197	290 CFM Watts	138	192	257	336	406					
	350 CFM/ton	CFM Watts	980/1100	993/1019	958/889	875/714	350 CFM Watts	980	998	969	882	821					
	400 CFM/ton	CFM Watts	157/181	213/205	280/219	357/205	400 CFM Watts	146	202	268	351	422					
	450 CFM/ton	CFM Watts	980/1100	993/1019	958/889	875/714	450 CFM Watts	980	998	969	882	821					
	450 CFM/ton	CFM Watts	157/181	213/205	280/219	357/205	450 CFM Watts	146	202	268	351	422					

- † Factory Setting
- Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
- To prevent water blow-off, the max airflow demand allowable is 1000 CFM. If an outdoor multiplier and cooling airflow setting should result in a demand higher than 1000, the AFC will default the demand back to 1000.
- Torque mode will reduce airflow when static is above approximately 0.3" water column.
- All heating modes default to Constant CFM.
- In communicating mode, default CFM/Ton is 400.
- Cooling airflow values are with wet coil, no filter

OUTDOOR MULTIPLIER (TONS)	TEM8A0B30V31DC AIRFLOW PERFORMANCE										CONSTANT CFM MODE / CONSTANT TORQUE MODE															
	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	290	350	400	450	290	350	400	450	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	0.1	0.3	0.5	0.7	0.9
1.5 tons	430/538	430/415	430/264	430/NA	430/NA	290	350	400	450	430/NA	430/NA	430/NA	430/NA	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	434	419	419	403	384
	50/39	75/48	95/43	110/NA	145/NA	290	350	400	450	145/NA	145/NA	145/NA	145/NA	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	34	64	96	130	167
	520/620	520/514	520/398	520/NA	510/NA	350	400	450	290	510/NA	510/NA	510/NA	510/NA	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	521	512	514	500	485
	60/53	90/64	120/61	135/NA	175/NA	350	400	450	290	175/NA	175/NA	175/NA	175/NA	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	44	77	112	153	196
	590/688	590/593	590/493	590/NA	590/NA	400	450	290	568/NA	590/NA	590/NA	590/NA	590/NA	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	595	589	595	584	573
	75/67	105/80	140/80	160/NA	205/NA	400	450	290	215/NA	205/NA	205/NA	205/NA	205/NA	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	56	91	127	173	222
2 tons	670/758	670/671	660/581	660/NA	660/NA	450	290	568/NA	660/NA	660/NA	660/NA	660/NA	660/NA	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	668	667	675	668	660
	85/85	125/100	160/102	190/NA	235/NA	450	290	215/NA	190/NA	190/NA	190/NA	190/NA	190/NA	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	71	107	145	196	250
	570/670	570/573	570/469	570/NA	568/NA	290	350	400	450	568/NA	568/NA	568/NA	568/NA	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	575	569	573	561	549
	60/63	90/76	125/75	165/NA	215/NA	290	350	400	450	215/NA	215/NA	215/NA	215/NA	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	53	87	123	167	215
	690/781	690/696	690/609	690/518	680/NA	350	400	450	680/NA	690/NA	690/NA	690/NA	690/NA	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	693	693	702	696	689
	85/91	120/107	160/110	210/98	259/NA	350	400	450	259/NA	259/NA	259/NA	259/NA	259/NA	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	76	113	152	204	259
2.5 tons	790/875	790/798	790/720	780/639	780/555	400	450	880/680	780/639	780/639	780/639	780/639	780/639	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	791	795	805	803	798
	110/122	150/140	195/145	250/137	301/115	400	450	880/680	250/137	250/137	250/137	250/137	250/137	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	103	143	184	240	301
	890/971	890/899	880/827	880/754	880/680	450	290	880/680	880/754	880/754	880/754	880/754	880/754	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	889	895	902	899	891
	145/161	185/181	235/189	295/184	347/184	450	290	347/184	295/184	295/184	295/184	295/184	295/184	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	138	181	226	284	347
	720/823	720/741	710/659	710/573	710/481	290	350	710/481	710/573	710/573	710/573	710/573	710/573	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	717	718	728	723	717
	90/104	140/120	170/124	220/115	260/91	290	350	260/91	220/115	220/115	220/115	220/115	220/115	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	82	120	159	212	269
2.5 tons	870/963	860/892	873/819	860/746	850/671	350	400	850/671	860/746	860/746	860/746	860/746	860/746	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	865	871	879	876	869
	140/157	182/177	235/185	280/180	330/161	350	400	330/161	280/180	280/180	280/180	280/180	280/180	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	128	170	214	272	335
	969/1087	985/1011	993/921	992/809	1000/770	390	450	1000/770	992/809	992/809	992/809	992/809	992/809	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	969	989	1004	999	1026
	143/166	198/191	262/205	329/189	399/187	400	450	399/187	329/189	329/189	329/189	329/189	329/189	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	134	188	250	323	402
	993/1114	1008/1035	1017/943	1015/828	1022/787	400	450	1022/787	1015/828	1015/828	1015/828	1015/828	1015/828	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	993	1013	1028	1023	1049
	152/176	208/200	273/214	341/196	413/194	450	290	413/194	341/196	341/196	341/196	341/196	341/196	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	142	197	261	335	416
3 tons †	993/1114	1008/1035	1017/943	1015/828	1022/787	450	290	1022/787	1015/828	1015/828	1015/828	1015/828	1015/828	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	993	1013	1028	1023	1049
	152/176	208/200	273/214	341/196	413/194	450	290	413/194	341/196	341/196	341/196	341/196	341/196	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	142	197	261	335	416
	868/974	884/907	891/826	893/729	894/688	290	350	894/688	893/729	893/729	893/729	893/729	893/729	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	868	888	901	900	917
	111/128	163/156	220/173	281/162	345/162	350	400	345/162	281/162	281/162	281/162	281/162	281/162	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	103	154	211	277	347
	993/1114	1008/1035	1017/943	1015/828	1022/787	350	400	1022/787	1015/828	1015/828	1015/828	1015/828	1015/828	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	993	1013	1028	1023	1049
	152/176	208/200	273/214	341/196	413/194	450	290	413/194	341/196	341/196	341/196	341/196	341/196	CFM	Watts	CFM	Watts	CFM	Watts	CFM	Watts	142	197	261	335	416

- † Factory Setting
- Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
- To prevent water blow-off, the max airflow demand allowable is 1000 CFM. If an outdoor multiplier and cooling airflow setting should result in a demand higher than 1000, the AFC will default the demand back to 1000.
- Torque mode will reduce airflow when static is above approximately 0.3" water column.
- All heating modes default to Constant CFM.
- In communicating mode, default CFM/Ton is 400.
- Cooling airflow values are with wet coil, no filter



Performance and Electrical Data

OUTDOOR MULTIPLIER (TONS)	TEM8A0C36V31DC & TEM8A0C42V41DC AIRFLOW PERFORMANCE (Constant CFM / Constant Torque)										CONSTANT CFM MODE / CONSTANT TORQUE MODE																			
	COOLING AIRFLOW SETTING					EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)					HEATING AIRFLOW SETTING					AIRFLOW POWER					EXTERNAL STATIC PRESSURE									
	290 CFM/ton	350 CFM/ton	400 CFM/ton	450 CFM/ton	290 CFM/ton	0.1	0.3	0.5	0.7	0.9	0.1	0.3	0.5	0.7	0.9	290 CFM/ton	350 CFM/ton	400 CFM/ton	450 CFM/ton	290 CFM/ton	0.1	0.3	0.5	0.7	0.9					
2.5 tons	735 / 837	883 / 972	1007 / 1084	1133 / 1198	143 / 177	727 / 702	884 / 849	1016 / 971	1033 / 874	1020 / 788	660 / 415	870 / 577	1010 / 711	1130 / 845	1330 / 952	290	350	400	450	290	735	884	1007	1133	1330	673	881	1020	1140	1370
	59 / 72	82 / 103	109 / 136	144 / 177	192 / 202	96 / 90	124 / 123	154 / 158	204 / 171	269 / 187	215 / 148	270 / 168	320 / 200	375 / 244	410 / 287	CFM	CFM	CFM	CFM	CFM	59	884	1007	1133	1330	176	223	269	320	
	CFM	Watts	Watts	Watts	Watts	700 / 593	882 / 746	1033 / 874	1176 / 1001	1240 / 1024	870 / 577	1010 / 711	1130 / 845	1330 / 952	1500 / 1330	Watts	Watts	Watts	Watts	Watts	883	1007	1133	1330	1500	223	270	320	375	
	CFM	Watts	Watts	Watts	Watts	138 / 105	170 / 138	204 / 171	269 / 187	321 / 233	870 / 577	1010 / 711	1130 / 845	1330 / 952	1500 / 1330	CFM	CFM	CFM	CFM	CFM	82	1007	1133	1330	1500	223	270	320	375	
	CFM	Watts	Watts	Watts	Watts	1091 / 952	1240 / 1024	1440 / 1224	1700 / 1484	2000 / 1788	870 / 577	1010 / 711	1130 / 845	1330 / 952	1500 / 1330	CFM	CFM	CFM	CFM	CFM	82	1007	1133	1330	1500	223	270	320	375	
3 tons	1057 / 1154	1221 / 1318	1395 / 1492	1569 / 1666	1743 / 1840	1068 / 1045	1233 / 1210	1407 / 1384	1581 / 1558	1755 / 1732	1070 / 869	1244 / 1024	1418 / 1198	1592 / 1372	1766 / 1546	350	400	450	500	350	1057	1233	1407	1581	1766	1070	1244	1418	1592	1766
	122 / 160	168 / 184	220 / 240	280 / 300	340 / 360	168 / 184	220 / 201	289 / 213	340 / 225	390 / 275	1070 / 869	1244 / 1024	1418 / 1198	1592 / 1372	1766 / 1546	CFM	CFM	CFM	CFM	CFM	122	168	220	289	340	1070	1244	1418	1592	1766
	CFM	Watts	Watts	Watts	Watts	1210 / 1102	1395 / 1253	1581 / 1439	1766 / 1624	1951 / 1809	1070 / 869	1244 / 1024	1418 / 1198	1592 / 1372	1766 / 1546	CFM	CFM	CFM	CFM	CFM	1057	1233	1407	1581	1766	1070	1244	1418	1592	1766
	CFM	Watts	Watts	Watts	Watts	1255 / 1102	1440 / 1224	1624 / 1408	1809 / 1593	2000 / 1788	1070 / 869	1244 / 1024	1418 / 1198	1592 / 1372	1766 / 1546	CFM	CFM	CFM	CFM	CFM	122	168	220	289	340	1070	1244	1418	1592	1766
	CFM	Watts	Watts	Watts	Watts	277 / 262	355 / 276	410 / 287	478 / 399	547 / 468	1070 / 869	1244 / 1024	1418 / 1198	1592 / 1372	1766 / 1546	CFM	CFM	CFM	CFM	CFM	122	168	220	289	340	1070	1244	1418	1592	1766
3.5 tons	1364 / 1426	1628 / 1714	1892 / 1978	2156 / 2242	2420 / 2506	1375 / 1334	1549 / 1508	1723 / 1682	1897 / 1856	2071 / 2030	1340 / 1179	1514 / 1353	1688 / 1527	1862 / 1701	2036 / 1875	450	500	550	600	450	1364	1628	1892	2156	2420	1340	1514	1688	1862	2036
	230 / 287	286 / 317	350 / 339	429 / 355	480 / 367	286 / 317	350 / 339	429 / 355	480 / 367	547 / 468	1340 / 1179	1514 / 1353	1688 / 1527	1862 / 1701	2036 / 1875	CFM	CFM	CFM	CFM	CFM	230	286	350	429	480	1340	1514	1688	1862	2036
	CFM	Watts	Watts	Watts	Watts	1050 / 917	1235 / 1128	1420 / 1313	1605 / 1498	1790 / 1683	1050 / 917	1235 / 1128	1420 / 1313	1605 / 1498	1790 / 1683	CFM	CFM	CFM	CFM	CFM	1022	1235	1449	1663	1877	1050	1235	1449	1663	1877
	CFM	Watts	Watts	Watts	Watts	209 / 188	275 / 201	325 / 213	375 / 263	425 / 311	1050 / 917	1235 / 1128	1420 / 1313	1605 / 1498	1790 / 1683	CFM	CFM	CFM	CFM	CFM	113	158	209	275	325	1050	1235	1449	1663	1877
	CFM	Watts	Watts	Watts	Watts	1242 / 1128	1420 / 1313	1605 / 1498	1790 / 1683	1975 / 1869	1050 / 917	1235 / 1128	1420 / 1313	1605 / 1498	1790 / 1683	CFM	CFM	CFM	CFM	CFM	1022	1235	1449	1663	1877	1050	1235	1449	1663	1877
4 tons †	1416 / 1471	1714 / 1800	1978 / 2064	2242 / 2328	2506 / 2592	1424 / 1404	1608 / 1588	1792 / 1772	1976 / 1956	2160 / 2140	1380 / 1230	1564 / 1414	1748 / 1598	1932 / 1782	2116 / 2006	350	400	450	500	350	1416	1714	1978	2242	2506	1380	1564	1748	1932	2116
	254 / 314	313 / 263	378 / 368	442 / 432	506 / 496	313 / 263	378 / 368	442 / 432	506 / 496	570 / 560	1380 / 1230	1564 / 1414	1748 / 1598	1932 / 1782	2116 / 2006	CFM	CFM	CFM	CFM	CFM	1416	1714	1978	2242	2506	1380	1564	1748	1932	2116
	CFM	Watts	Watts	Watts	Watts	1500 / 1393	1688 / 1538	1876 / 1726	2064 / 1914	2252 / 2102	1380 / 1230	1564 / 1414	1748 / 1598	1932 / 1782	2116 / 2006	CFM	CFM	CFM	CFM	CFM	1601	1991	2381	2771	3161	1380	1564	1748	1932	2116
	CFM	Watts	Watts	Watts	Watts	553 / 500	617 / 510	681 / 574	745 / 638	809 / 702	1380 / 1230	1564 / 1414	1748 / 1598	1932 / 1782	2116 / 2006	CFM	CFM	CFM	CFM	CFM	1601	1991	2381	2771	3161	1380	1564	1748	1932	2116
	CFM	Watts	Watts	Watts	Watts	260 / 254	337 / 268	390 / 279	443 / 374	496 / 427	1380 / 1230	1564 / 1414	1748 / 1598	1932 / 1782	2116 / 2006	CFM	CFM	CFM	CFM	CFM	155	204	260	317	374	1380	1564	1748	1932	2116
Factory Setting	1416 / 1492	1714 / 1800	1978 / 2064	2242 / 2328	2506 / 2592	1424 / 1404	1608 / 1588	1792 / 1772	1976 / 1956	2160 / 2140	1399 / 1325	1573 / 1423	1757 / 1607	1941 / 1791	2125 / 2015	350 †	400	450	500	350 †	1416	1714	1978	2242	2506	1399	1573	1757	1941	2125
	254 / 326	313 / 357	378 / 381	442 / 432	506 / 496	313 / 357	378 / 381	442 / 432	506 / 496	570 / 560	1399 / 1325	1573 / 1423	1757 / 1607	1941 / 1791	2125 / 2015	CFM	CFM	CFM	CFM	CFM	1416	1714	1978	2242	2506	1399	1573	1757	1941	2125
	CFM	Watts	Watts	Watts	Watts	1500 / 1393	1688 / 1538	1876 / 1726	2064 / 1914	2252 / 2102	1399 / 1325	1573 / 1423	1757 / 1607	1941 / 1791	2125 / 2015	CFM	CFM	CFM	CFM	CFM	254	313	378	442	506	1399	1573	1757	1941	2125
	CFM	Watts	Watts	Watts	Watts	553 / 500	617 / 510	681 / 574	745 / 638	809 / 702	1399 / 1325	1573 / 1423	1757 / 1607	1941 / 1791	2125 / 2015	CFM	CFM	CFM	CFM	CFM	254	313	378	442	506	1399	1573	1757	1941	2125
	CFM	Watts	Watts	Watts	Watts	260 / 254	337 / 268	390 / 279	443 / 374	496 / 427	1399 / 1325	1573 / 1423	1757 / 1607	1941 / 1791	2125 / 2015	CFM	CFM	CFM	CFM	CFM	1416	1714	1978	2242	2506	1399	1573	1757	1941	2125

- † Factory Setting
- Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
- In communicating mode, default CFM/Ton is 400.
- 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

OUTDOOR MULTIPLIER (TONS)	TEM8A0C48V41DC & TEM8B0C60V51DA AIRFLOW PERFORMANCE										CONSTANT CFM MODE / CONSTANT TORQUE MODE																	
	COOLING AIRFLOW SETTING					EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)					HEATING AIRFLOW SETTING					AIRFLOW POWER					EXTERNAL STATIC PRESSURE							
	290 CFM/ton	350 CFM/ton	400 CFM/ton	450 CFM/ton	290 CFM/ton	0.1	0.3	0.5	0.7	0.9	290 CFM/ton	350 CFM/ton	400 CFM/ton	450 CFM/ton	290 CFM/ton	0.1	0.3	0.5	0.7	0.9	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
3 tons	290	350	400	450	290	864/1015	856/883	851/772	850/676	820/590	290	350	400	450	290	864	856	851	843	822	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	350	400	450	290	1015/1147	1000/1025	1000/921	1000/829	1000/746	1037/1179	1037/1059	1040/957	1030/866	1030/784	1037	1037	1040	1039	1031	1032	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	400	450	290	115/128	1210/1341	1210/1231	1210/1136	1210/1050	1210/971	120/137	170/164	224/185	265/204	334/221	120	1037	1040	1039	1031	1032	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	450	290	160/180	1184/1317	1187/1207	1193/1110	1180/1024	1190/945	380/268	160/180	215/209	275/233	325/251	380/268	400	1184	1187	1193	1196	1197	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	290	350	400	450	1015/1147	1000/1025	1000/921	1000/829	1000/746	1334/1457	1336/1354	1343/1263	1340/1181	1340/1105	1334	1334	1336	1343	1348	1353	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	350	400	450	290	115/128	1210/1341	1210/1231	1210/1136	1210/1050	205/232	265/265	335/290	395/310	460/327	290	198	254	318	388	461	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	400	450	290	165/188	1380/1503	1380/1403	1390/1314	1390/1233	1390/1159	1015/1147	1000/1025	1000/921	1000/829	1000/746	290	1003	1002	1004	1002	992	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	450	290	195/252	1560/1667	1560/1575	1570/1492	1570/1416	1579/1345	595/439	165/188	220/218	280/241	335/260	395/277	400	157	208	269	334	403	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	290	350	400	450	195/252	1380/1503	1380/1403	1390/1314	1390/1233	1560/1667	1560/1575	1570/1492	1570/1416	1579/1345	450	1563	1563	1566	1566	1564	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	350	400	450	290	295/332	1140/1304	1140/1192	1140/1095	1140/1008	295/332	365/369	440/398	515/421	595/439	290	293	362	429	507	588	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
4 tons	290	350	400	450	145/175	200/204	255/227	310/246	365/263	145/175	200/204	255/227	310/246	365/263	144	188	247	309	376	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts	
	350	400	450	290	1380/1525	1380/1426	1390/1338	1390/1257	1390/1183	1380/1525	1380/1426	1390/1338	1390/1257	1390/1183	1384	1386	1393	1397	1402	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts	
	400	450	290	220/262	1590/1711	1590/1621	1590/1539	1590/1464	1600/1394	220/262	285/295	355/322	420/343	485/360	217	275	340	412	487	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts	
	450	290	305/356	1790/1898	1790/1816	1800/1741	1800/1670	1810/1604	610/466	1590/1711	1590/1621	1590/1539	1590/1464	1600/1394	400	1589	1588	1591	1589	1585	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	290	350	400	450	305/356	1790/1898	1790/1816	1800/1741	1800/1670	305/356	380/267	455/356	535/267	610/466	450	305	376	444	522	604	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	350	400	450	290	410/474	495/597	585/548	670/575	760/597	410/474	495/597	585/548	670/575	760/597	450	419	509	575	660	749	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	400	450	290	1430/1571	1440/1475	1440/1388	1440/1309	1440/1236	515/384	1430/1571	1440/1475	1440/1388	1440/1309	1440/1236	290	1435	1436	1442	1446	1450	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	450	290	240/283	1740/1851	1740/1767	1750/1690	1750/1619	1760/1552	1760/1552	240/283	310/318	375/345	445/367	515/384	350	237	297	364	437	514	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	350	400	450	290	380/442	465/482	550/514	635/541	720/562	1740/1851	1740/1767	1750/1690	1750/1619	1760/1552	350	1747	1742	1740	1728	1707	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
	400	450	290	2000/2087	2000/2012	2010/1942	1980/1873	1870/317	1870/317	380/442	465/482	550/514	635/541	720/562	400	388	472	539	623	710	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts
5 tons †	400	450	290	540/619	635/663	735/700	810/729	810/378	2000/2087	2000/2012	2010/1942	1980/1873	1870/317	400	2015	2007	1995	1951	1877	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts	
	450	290	2260/2141	2210/2068	2100/1999	1980/903	1870/315	1870/315	540/619	635/663	735/700	810/729	810/378	450	559	679	739	810	810	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts	
	290	350	745/686	810/729	810/766	810/359	810/359	810/359	2260/2141	2210/2068	2100/1999	1980/903	1870/315	450	2125	2117	2100	2038	1932	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts	
	350	400	745/686	810/729	810/766	810/359	810/359	810/359	745/686	810/729	810/766	810/359	810/359	450	641	779	810	810	810	CFM	Watts	CFM/ton	Watts	CFM/ton	Watts	CFM/ton	Watts	

- † Factory Setting
- Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
- In communicating mode, default CFM/Ton is 400.
- 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



Performance and Electrical Data

Note: Heater size needs to be set in Configuration Menu.

Table 1. Electrical Data

TEM8A0B24V21DC HEATER DATA											
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				2.8 *	4	15			2.8 *	4	15
BAYHTR1504BRK BAYHTR1504LUG	1/1	3.84	13100	16.0	24	25	2.88	9800	13.8	21	25
BAYHTR1505BRK BAYHTR1505LUG	1/1	4.80	16400	20.0	29	30	3.60	12300	17.3	25	25
BAYHTR1508BRK BAYHTR1508LUG	1/1	7.68	26200	32.0	44	45	5.76	19700	27.7	38	40
BAYHTR1510BRK BAYHTR1510LUG	1/1	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYHTR1517BRK Circuit 1 ^(a)	2/1	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYHTR1517BRK Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYHTR3510LUG	1/3	9.60	32800	23.1	32	35	7.20	24600	20.0	28	30
BAYHTR3517LUG	1/3	14.40	49100	34.6	46	50	10.80	36900	30.0	41	45

* = Motor Amps

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

Table 2. Electrical Data

TEM8A0B30V31DC HEATER DATA											
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	3.84	13100	16.0	25	25	2.88	9800	13.8	22	25
BAYHTR1505BRK BAYHTR1505LUG	1/1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYHTR1508BRK BAYHTR1508LUG	1/1	7.68	26200	32.0	45	45	5.76	19700	27.7	39	40
BAYHTR1510BRK BAYHTR1510LUG	1/1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYHTR1517BRK Circuit 1 ^(a)	2/1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYHTR1517BRK Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYHTR3510LUG	1/3	9.60	32800	23.1	33	35	7.20	24600	20.0	29	30
BAYHTR3517LUG	1/3	14.40	49100	34.6	48	50	10.80	36900	30.0	42	45

* = Motor Amps

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

Table 3. Electrical Data

TEM8A0C36V31DC, TEM8A0C42V41DC HEATER DATA											
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	3.84	13100	16.0	25	25	2.88	9800	13.8	22	25
BAYHTR1505BRK BAYHTR1505LUG	1/1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYHTR1508BRK BAYHTR1508LUG	1/1	7.68	26200	32.0	45	45	5.76	19700	27.7	39	40
BAYHTR1510BRK BAYHTR1510LUG	1/1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYHTR1517BRK Circuit 1 ^(a)	2/1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYHTR1517BRK Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYHTR1523BRK Circuit 1 ^(a)	2/1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYHTR1523BRK Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYHTR3510LUG	1/3	9.60	32800	23.1	33	35	7.20	24600	20.0	29	30
BAYHTR3517LUG	1/3	14.40	49100	34.6	48	50	10.80	36900	30.0	42	45

* = Motor Amps

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



Performance and Electrical Data

Table 4. Electrical Data

TEM8A0C48V41DC, TEM8B0C60V51DA HEATER DATA											
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				5.7 *	7	15			5.7 *	7	15
BAYHTR1504BRK BAYHTR1504LUG	1/1	3.84	13100	16.0	27	30	2.88	9800	13.8	24	25
BAYHTR1505BRK BAYHTR1505LUG	1/1	4.80	16400	20.0	32	35	3.60	12300	17.3	29	30
BAYHTR1508BRK BAYHTR1508LUG	1/1	7.68	26200	32.0	47	50	5.76	19700	27.7	42	45
BAYHTR1510BRK BAYHTR1510LUG	1/1	9.60	32800	40.0	57	60	7.20	24600	34.6	50	50
BAYHTR1517BRK Circuit 1 ^(a)	2/1	9.60	32800	40.0	57	60	7.20	24600	34.6	50	50
BAYHTR1517BRK Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYHTR1523BRK Circuit 1 ^(a)	2/1	9.60	32800	40.0	57	60	7.20	24600	34.6	50	50
BAYHTR1523BRK Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYHTR1525BRK Circuit 1 ^(a)	4/1	6.00	20500	25.0	38	40	4.50	15400	21.6	34	35
BAYHTR1525BRK Circuit 2		6.00	20500	25.0	31	35	4.50	15400	21.6	27	30
BAYHTR1525BRK Circuit 3		6.00	20500	25.0	31	35	4.50	15400	21.6	27	30
BAYHTR1525BRK Circuit 4		6.00	20500	25.0	31	35	4.50	15400	21.6	27	30
BAYHTR3510LUG	1/3	9.60	32800	23.1	35	35	7.20	24600	20.0	31	35
BAYHTR3517LUG	1/3	14.40	49100	34.6	50	50	10.80	36900	30.0	44	45

* = Motor Amps

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



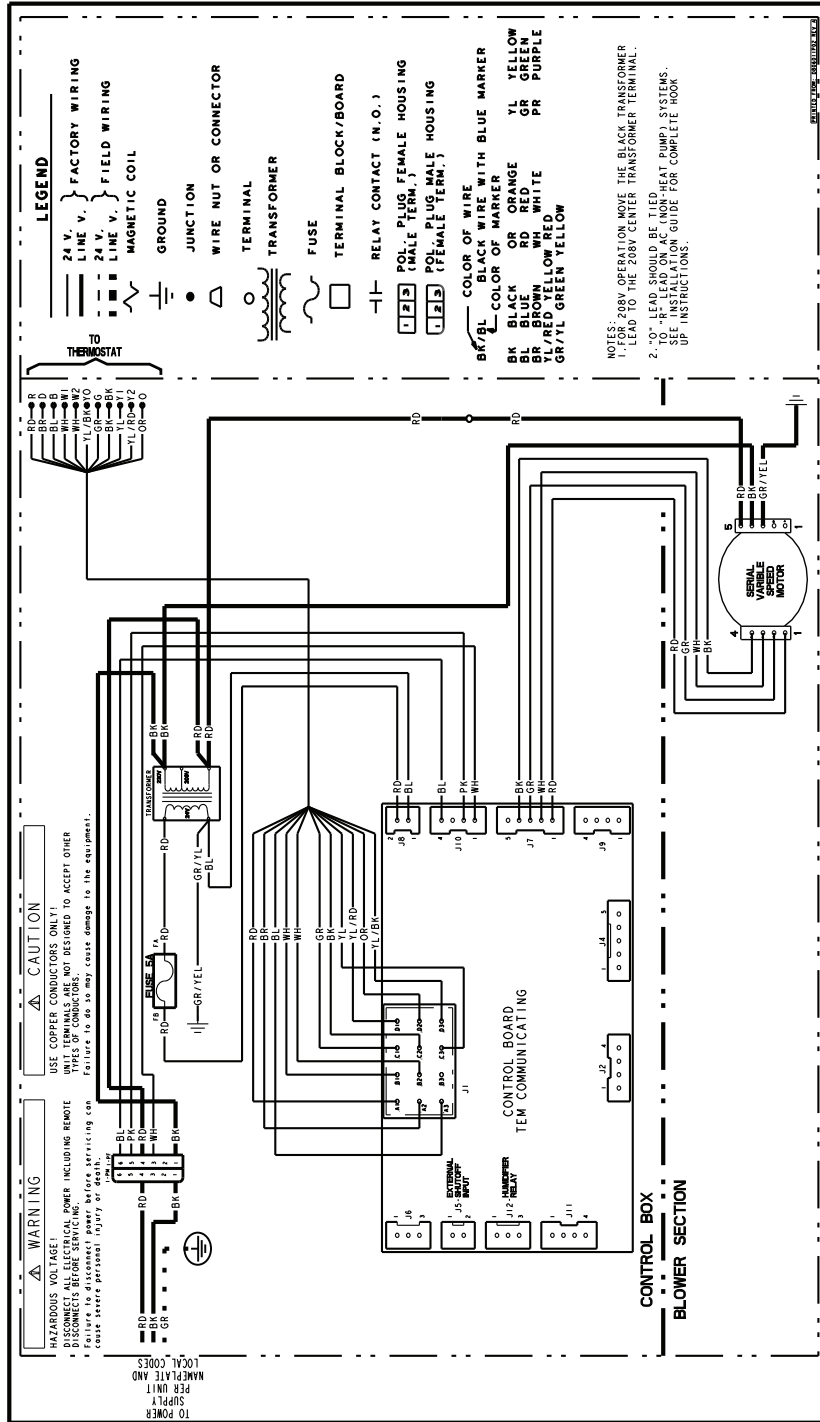
Minimum Airflow CFM

TEM8A0B24V21DC, TEM8A0B30V31DC		
Heater	Minimum Heater Airflow CFM	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504LUG BAYHTR1505BRK, BAYHTR1505LUG	650	600
BAYHTR1508BRK, BAYHTR1508LUG	850	700
BAYHTR1510BRK, BAYHTR1510LUG	850	700
BAYHTR1517BRK	1000	850
BAYHTR3510LUG	850	700
BAYHTR3517LUG	1000	850

TEM8A0C36V31DC, TEM8A0C42V41DC		
Heater	Minimum Heater Airflow CFM	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504LUG BAYHTR1505BRK, BAYHTR1505LUG	675	675
BAYHTR1508BRK, BAYHTR1508LUG	950	900
BAYHTR1510BRK, BAYHTR1510LUG	950	900
BAYHTR1517BRK	950	900
BAYHTR3510LUG	950	900
BAYHTR3517LUG	1050	950
BAYHTR1523BRK	1500	1300

TEM8A0C48V41DC, TEM8B0C60V51DA		
Heater	Minimum Heater Airflow CFM	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504LUG BAYHTR1505BRK, BAYHTR1505LUG	900	800
BAYHTR1508BRK, BAYHTR1508LUG	1200	1000
BAYHTR1510BRK, BAYHTR1510LUG	1350	1000
BAYHTR1517BRK	1400	1100
BAYHTR3510LUG	1200	1000
BAYHTR3517LUG	1400	1100
BAYHTR1523BRK	1430	1300
BAYHTR1525BRK	1850	1600

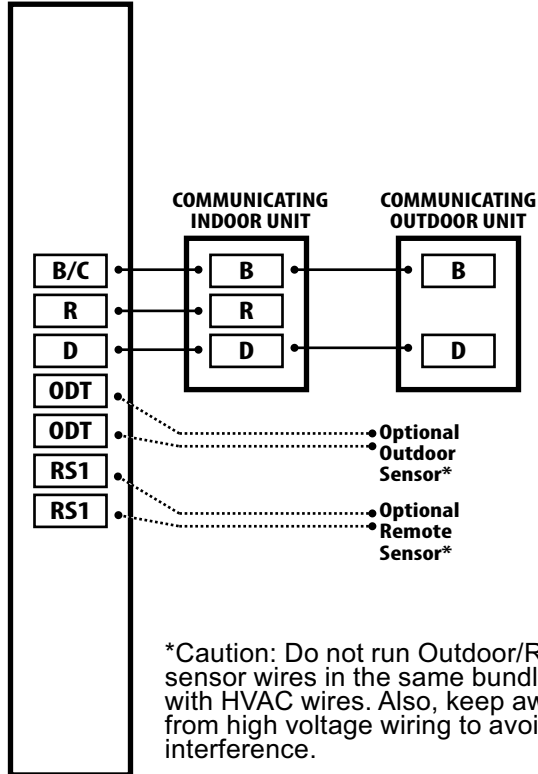
Wiring D806011P02revA for PD



Field Wiring

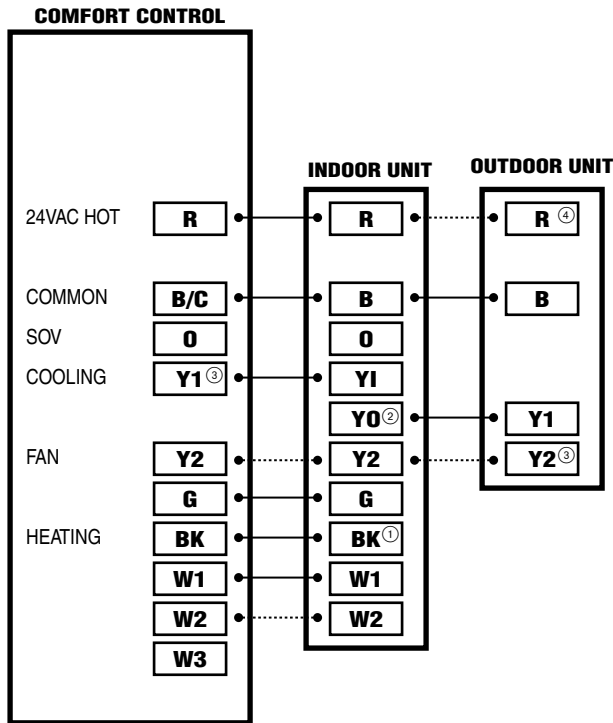
Communicating Controls Wiring Diagram

**COMMUNICATING
COMFORT
CONTROL**



*Caution: Do not run Outdoor/Remote sensor wires in the same bundle with HVAC wires. Also, keep away from high voltage wiring to avoid interference.

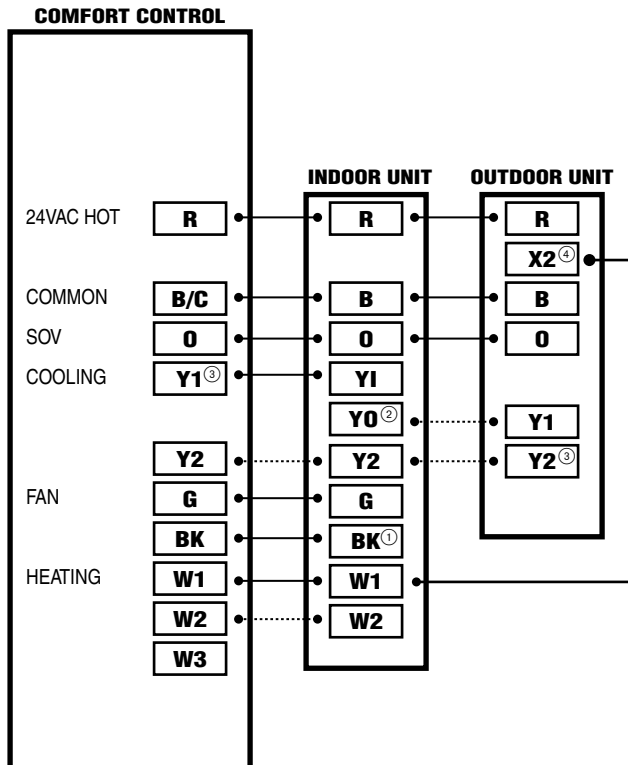
1 OR 2 STAGE COOLING WITH TEM8 MODEL VARIABLE SPEED AIR HANDLER



NOTES:

1. Cut the BK jumper on the AFC when using the BK functionality from the thermostat.
2. Y1 and Y0 connections must be made as shown for external switch functionality. (See table 5) Can be used for condensate overflow switch as well as other functions. Configure this functionality from the AFC seven segment display.
3. When using the BK feature from the comfort control, the Y1 & Y2 inputs to the AFC are for the seven segment display only. The BK feature has 100% control over air flow.
4. Y2 connections at outdoor unit are required only for two stage units.

1 OR 2 STAGE HEAT PUMP WITH TEM8 VARIABLE SPEED AIR HANDLER

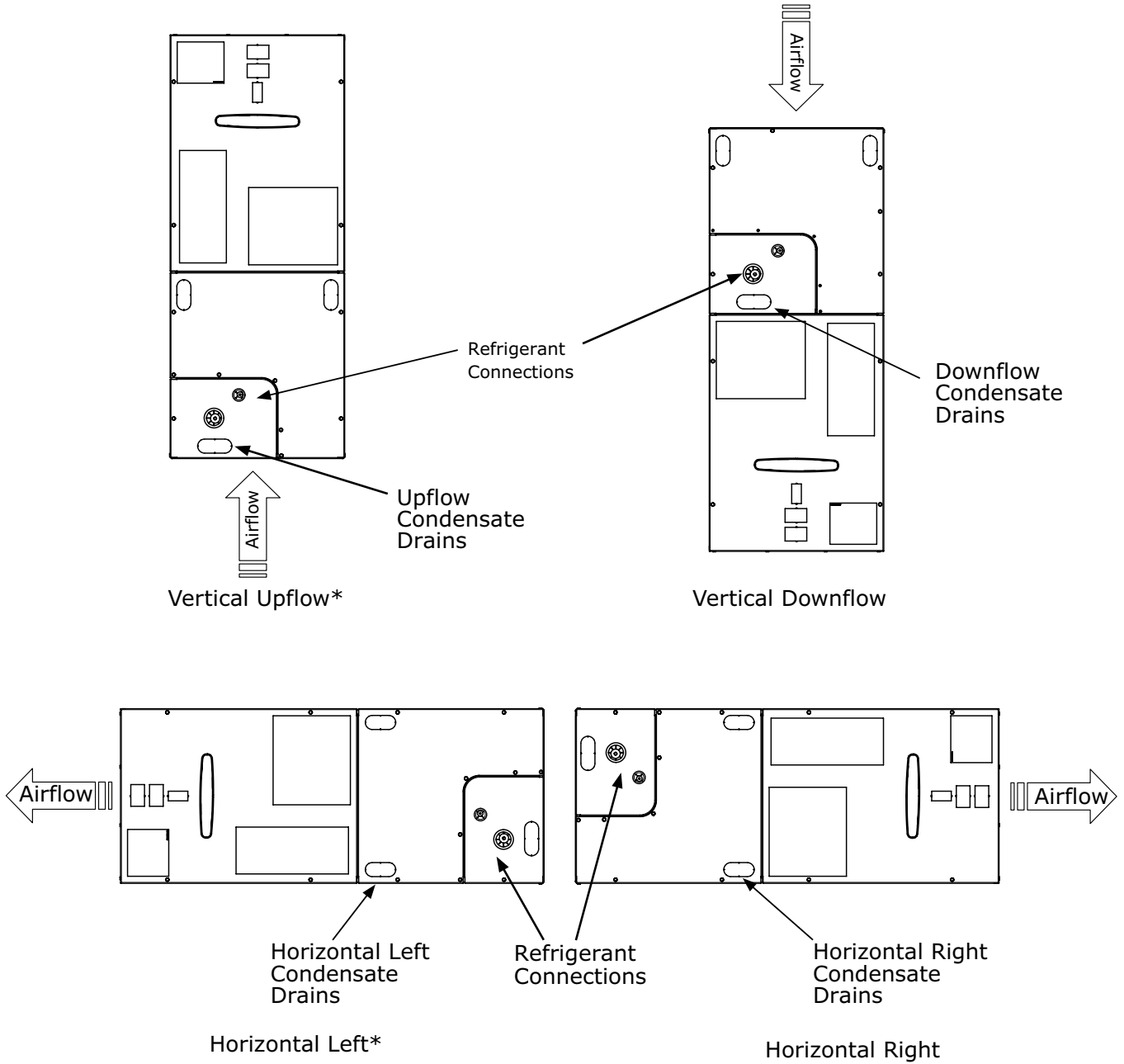


NOTES:

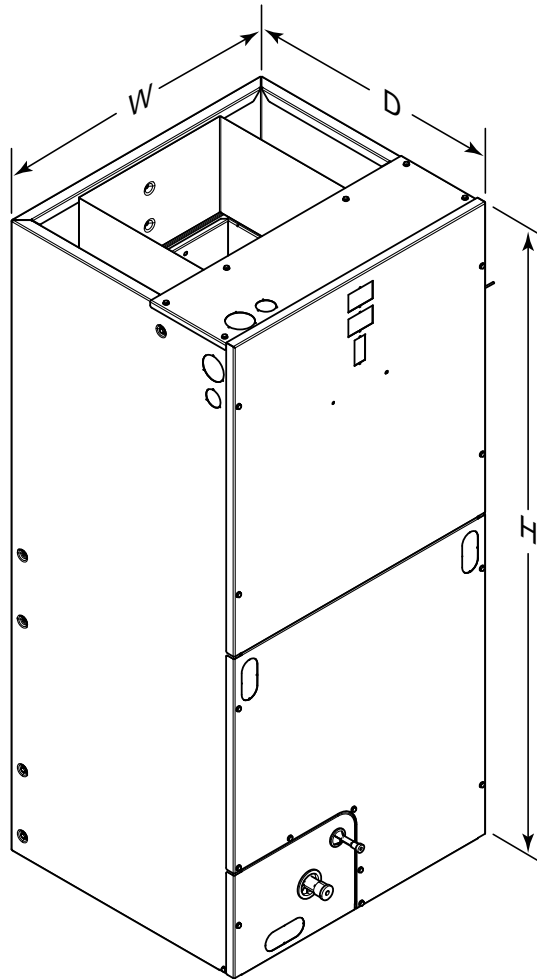
1. Cut the BK jumper on the AFC when using the BK functionality from the thermostat.
2. Y1 and Y0 connections must be made as shown for external switch functionality. (See table 5) Can be used for condensate overflow switch as well as other functions. Configure this functionality from the AFC seven segment display.
3. Connection to X2 is not required when using the 402, 624, 824, or relay panel controls.
4. When using the BK feature from the comfort control, the Y1 & Y2 inputs to the AFC are for the 7 segment display only. The BK feature has 100% control over air flow.

TEM Convertibility

Figure 1. Multi-Position Air Handler
 * = No Internal Modifications Required.



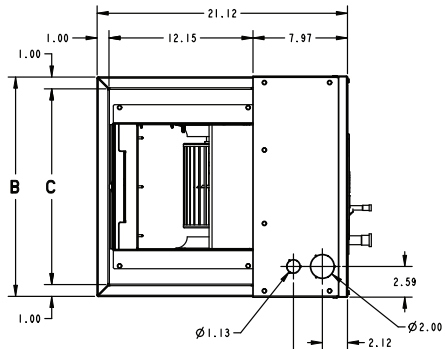
TEM8 Air Handler Dimensional Data



Model No.	H	W	D
TEM8A0B24V21DC	46.77	18.50	21.13
TEM8A0B30V31DC	46.77	18.50	21.13
TEM8A0C36V31DC	51.27	23.50	21.13
TEM8A0C42V41DC	51.27	23.50	21.13
TEM8A0C48V41DC	57.40	23.50	21.13
TEM8B0C60V51DA	57.40	23.50	21.13

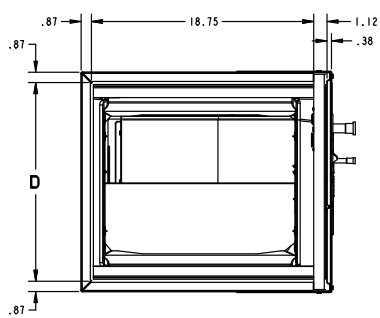
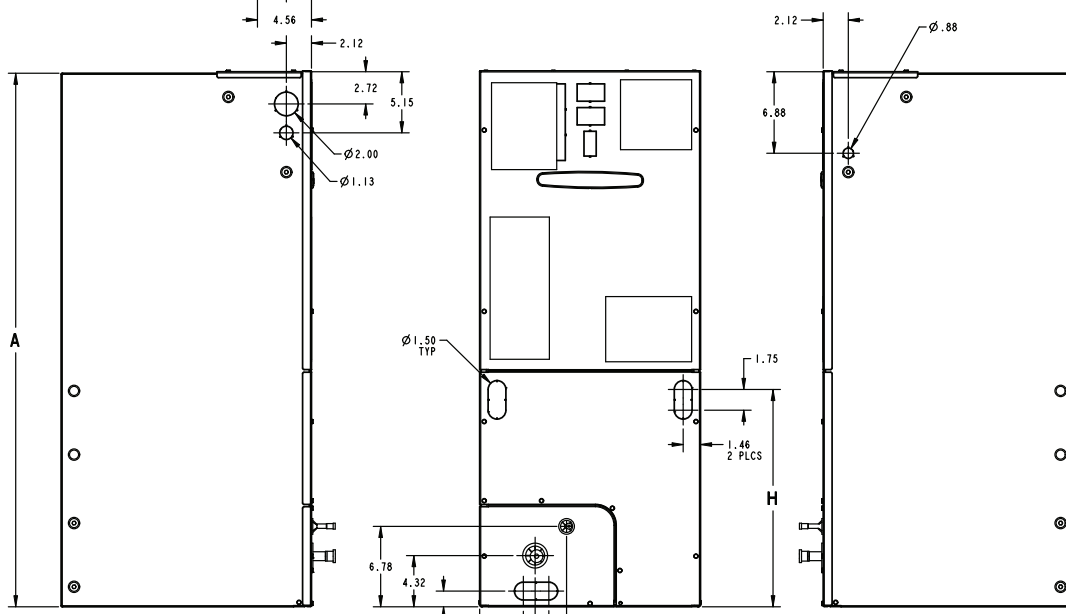


Outline Drawing



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



PRODUCT DIMENSIONS

Air Handler Model	A	B	C	D	E	F	H	Flow Control	Gas Line Braze
TEM8A0B24, 30	46.77	18.50	16.50	16.75	4.68	7.33	20.09	TXV	3/4
TEM8A0C36, 42	51.27	23.50	21.50	21.75	7.01	9.66	24.59	TXV	7/8
TEM8A0C48/ TEM8B0C60	57.40	23.50	21.50	21.75	4.68	9.66	27.19	TXV	7/8

All dimensions are in inches



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