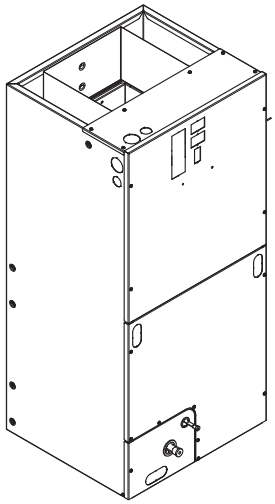
Product Data

Convertible Air Handlers
1–1/2 — 5 Ton

TEM8A0B24V21DB
TEM8A0B30V31DB
TEM8A0C36V31DB
TEM8A0C42V41DB
TEM8A0C48V41DB
TEM8A0D48V41DB
TEM8A0C60V51DB
TEM8A0D60V51DB



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.

April 2020

22-1936-1E-EN

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 with Enhanced Patented Coil Fin
- 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
BAYHTR1504BRKC	Electric Heater, 4KW, Breaker, 24V Control, 1 Ph	TEM8A0B24–TEM8A0D60
BAYHTR1504LUGB	Electric Heater, 4KW, Lug, 24V Control, 1 Ph	TEM8A0B24–TEM8A0D60
BAYHTR1505BRKC	Electric Heater, 5KW, Breaker, 24V Control, 1 Ph	TEM8A0B24–TEM8A0D60
BAYHTR1505LUGB	Electric Heater, 5KW, Lug, 24V Control, 1 Ph	TEM8A0B24–TEM8A0D60
BAYHTR1508BRKC	Electric Heater, 8KW, Breaker, 24V Control, 1 Ph	TEM8A0B24–TEM8A0D60
BAYHTR1508LUGB	Electric Heater, 8KW, Lug, 24V Control, 1 Ph	TEM8A0B24–TEM8A0D60
BAYHTR1510BRKC	Electric Heater, 10KW, Breaker, 24V Control, 1 Ph	TEM8A0B24–TEM8A0D60
BAYHTR1510LUGB	Electric Heater, 10KW, Lug, 24V Control, 1 Ph	TEM8A0B24–TEM8A0D60
BAYHTR1516BRKA	Electric Heater, 15KW, Breaker, 24V Control, 1 Ph	TEM8A0B24–TEM8A0D60
BAYHTR3510LUGC	Electric Heater, 10KW, Lug, 24V Control, 3 Ph	TEM8A0B24–TEM8A0D60
BAYHTR3515LUGC	Electric Heater, 15KW, Lug, 24V Control, 3Ph	TEM8A0B24–TEM8A0D60
BAYHTR1517BRKA	Electric Heater, 15KW, Breaker, 24V Control, 1 Ph	TEM8A0B24–TEM8A0D60
BAYHTR3517BRKA	Electric Heater, 15KW, Lug, 24V Control, 3 Ph	TEM8A0B24–TEM8A0D60
BAYHTR1522BRKA	Electric Heater, 20KW, Breaker, 24V Control, 1 Ph	TEM8A0B36–TEM8A0D60
BAYHTR1523BRKA	Electric Heater, 20KW, Breaker, 24V Control, 1 Ph	TEM8A0B36–TEM8A0D60
BAYHTR1525BRKA	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	TEM8A0B24V21DB	TEM8A0B30V31DB	TEM8A0C36V31DB
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 - 14	4 - 14	4 - 14
Face Area (sq. ft.)	3.44	3.44	4.59
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.

TRANE

Product Specifications

MODEL	TEM8A0C42V41DB	TEM8A0C48V41DB	TEM8A0C60V51DB
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 - 14	3 - 16	3 - 16
Face Area (sq. ft.)	4.59	7.9	7.9
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 11	11 X 11
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	57-1/8 x 27-1/2 x 25-1/2	57-1/8 x 27-1/2 x 25-1/2
Uncrated	51-3/8 x 23-1/2 x 21-1/8	55-3/4 x 23-1/2 x 21-1/8	55-3/4 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.

MODEL	TEM8A0D48V41DB	TEM8A0D60V51DB
RATED VOLTS/PH/HZ	208-230/1/60	208-230/1/60
RATINGS[a]	See O.D. Specifications	See O.D. Specifications
INDOOR COIL — Type	Plate Fin	Plate Fin
Rows — F.P.I.	4 - 16	4 - 16
Face Area (sq. ft.)	6.47	6.47
Tube Size (in.)	3/8	3/8
Refrigerant Control	TXV	TXV
Drain Conn. Size (in.)[b]	3/4 NPT	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing	See Outline Drawing
INDOOR FAN — Type	Centrifugal	Centrifugal
Diameter-Width (In.)	11 X 11	11 X 11
No. Used	1	1
Drive - No. Speeds	Direct - 16	Direct - 16
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table
No. Motors — H.P.	1 - 3/4	1 - 3/4
Motor Speed R.P.M.	Variable	Variable
Volts/Ph/Hz	208-230/1/60	208-230/1/60
F.L. Amps	5.7	5.7
FILTER		
Filter Furnished? [c]	No	No
REFRIGERANT	**R-410A**	**R-410A**
Ref. Line Connections	Brazed	Brazed
Coupling or Conn. Size — in. Gas	7/8	7/8
Coupling or Conn. Size — in. Liq.	3/8	3/8
DIMENSIONS	H x W x D	H x W x D
Crated (In.)	55-3/8 x 30-1/2 x 25-1/2	55-3/8 x 30-1/2 x 25-1/2
Uncrated	53-7/8 x 26-1/2 x 21-1/8	53-7/8 x 26-1/2 x 21-1/8
WEIGHT		
Shipping (Lbs.) / Net (Lbs.)	181/168	181/168

[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.					BAYHTR1504	1
1800	0.02	0.04	0.06	0.14		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		BAYHTR1516	3
1400	0.02	0.04	0.06	0.12		BAYHTR3510	3
1300	0.02	0.04	0.05	0.11		BAYHTR3515	3
1200	0.01	0.04	0.05	0.10		BAYHTR1517	3
1100	0.01	0.03	0.05	0.09		BAYHTR1522	4
1000	0.01	0.03	0.04	0.09		BAYHTR3517	3
900	0.01	0.03	0.04	0.08		BAYHTR1523	4
800	0.01	0.03				BAYHTR1525	4
700	0.01	0.02					
600	0.01	0.02					

Subcooling Adjustment

Subcooling Adjustment

System Matched with:	Indoor Unit Model No.	Outdoor Model No.	Subcooling
16 SEER HP — 2 ton	TEM8A0C36V31	4TWR6024H1000A 4TWX6024H1000A 4A6H6024H1000A	13 Degrees
15 SEER HP — 2 ton	TEM8A0B24V21 TEM8A0B30V31	4TWR5024G1000A 4A6H5024G1000A	14 Degrees
15 SEER HP — 3 ton	TEM8A0B30V31 TEM8A0C36V31 TEM8A0C42V41	4TWR5036G1000A 4A6H5036G1000A	14 Degrees
All other matches must be charged per the nameplate charging instructions			

Subcooling Adjustment for TEM8A0C48V41 & TEM8A0C60V51

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

TEM8A0B24V21DB 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 50 / 39	430 / 415 75 / 48	430 / 264 95 / 43	430 / NA 110 / NA	430 / NA 145 / NA	290 CFM/ton	CFM Watts	434 34	419 64	419 96	403 130	384 167
	350 CFM/ton	CFM Watts	520 / 620 60 / 53	520 / 514 90 / 64	520 / 398 120 / 61	520 / NA 135 / NA	510 / NA 175 / NA	350 CFM/ton	CFM Watts	521 44	512 77	514 112	500 153	485 196
	400 CFM/ton	CFM Watts	590 / 688 75 / 67	590 / 593 105 / 80	590 / 493 140 / 80	590 / NA 160 / NA	590 / NA 205 / NA	400 CFM/ton	CFM Watts	595 56	589 91	595 127	584 173	573 222
	450 CFM/ton	CFM Watts	670 / 758 85 / 85	670 / 671 125 / 100	660 / 581 160 / 102	660 / NA 190 / NA	660 / NA 235 / NA	450 CFM/ton	CFM Watts	668 71	667 107	675 145	668 196	660 250
2 tons	290 CFM/ton	CFM Watts	570 / 670 60 / 63	570 / 573 90 / 76	570 / 469 125 / 75	570 / NA 165 / NA	568 / NA 215 / NA	290 CFM/ton	CFM Watts	575 53	569 87	573 123	561 167	549 215
	350 CFM/ton	CFM Watts	690 / 781 85 / 91	690 / 696 120 / 107	690 / 609 160 / 110	690 / 518 210 / 98	680 / NA 259 / NA	350 CFM/ton	CFM Watts	693 76	693 113	702 152	696 204	689 259
	400 CFM/ton	CFM Watts	790 / 875 110 / 122	790 / 798 150 / 140	790 / 720 195 / 145	780 / 639 250 / 137	780 / 555 301 / 115	400 CFM/ton	CFM Watts	791 103	795 143	805 184	803 240	798 301
	450 CFM/ton	CFM Watts	890 / 971 145 / 161	890 / 899 185 / 181	880 / 827 235 / 189	880 / 754 295 / 184	880 / 680 347 / 184	450 CFM/ton	CFM Watts	889 138	895 181	902 226	899 284	891 347
2.5 tons †	290 CFM/ton	CFM Watts	720 / 823 90 / 104	720 / 741 140 / 120	710 / 659 170 / 124	710 / 573 220 / 115	710 / 481 260 / 91	290 CFM/ton	CFM Watts	717 82	718 120	728 159	723 212	717 269
	350 CFM/ton	CFM Watts	870 / 963 140 / 157	860 / 892 182 / 177	873 / 819 235 / 185	860 / 746 280 / 180	850 / 671 330 / 161	350 CFM/ton	CFM Watts	865 128	871 170	879 214	876 272	869 335
	390 † CFM/ton	CFM Watts	958 / 1075 147 / 170	975 / 1000 203 / 195	946 / 878 269 / 211	871 / 711 342 / 197	802 / 617 403 / 189	390 † CFM/ton	CFM Watts	958 138	979 192	957 257	878 336	822 406
	400 CFM/ton	CFM Watts	980 / 1100 157 / 181	993 / 1019 213 / 205	958 / 889 280 / 219	875 / 714 357 / 205	801 / 616 418 / 196	400 CFM/ton	CFM Watts	980 146	998 202	969 268	882 351	821 422
	450 CFM/ton	CFM Watts	980 / 1100 157 / 181	993 / 1019 213 / 205	958 / 889 280 / 219	875 / 714 357 / 205	801 / 616 418 / 196	450 CFM/ton	CFM Watts	980 146	998 202	969 268	882 351	821 422

- † 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

TEM8A0B30V31DB 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 50 / 39	430 / 415 75 / 48	430 / 264 95 / 43	430 / NA 110 / NA	430 / NA 145 / NA	290 CFM/ton	CFM Watts	434 34	419 64	419 96	403 130	384 167
	350 CFM/ton	CFM Watts	520 / 620 60 / 53	520 / 514 90 / 64	520 / 398 120 / 61	520 / NA 135 / NA	510 / NA 175 / NA	350 CFM/ton	CFM Watts	521 44	512 77	514 112	500 153	485 196
	400 CFM/ton	CFM Watts	590 / 688 75 / 67	590 / 593 105 / 80	590 / 493 140 / 80	590 / NA 160 / NA	590 / NA 205 / NA	400 CFM/ton	CFM Watts	595 56	589 91	595 127	584 173	573 222
	450 CFM/ton	CFM Watts	670 / 758 85 / 85	670 / 671 125 / 100	660 / 581 160 / 102	660 / NA 190 / NA	660 / NA 235 / NA	450 CFM/ton	CFM Watts	668 71	667 107	675 145	668 196	660 250
2 tons	290 CFM/ton	CFM Watts	570 / 670 60 / 63	570 / 573 90 / 76	570 / 469 125 / 75	570 / NA 165 / NA	568 / NA 215 / NA	290 CFM/ton	CFM Watts	575 53	569 87	573 123	561 167	549 215
	350 CFM/ton	CFM Watts	690 / 781 85 / 91	690 / 696 120 / 107	690 / 609 160 / 110	690 / 518 210 / 98	680 / NA 259 / NA	350 CFM/ton	CFM Watts	693 76	693 113	702 152	696 204	689 259
	400 CFM/ton	CFM Watts	790 / 875 110 / 122	790 / 798 150 / 140	790 / 720 195 / 145	780 / 639 250 / 137	780 / 555 301 / 115	400 CFM/ton	CFM Watts	791 103	795 143	805 184	803 240	798 301
	450 CFM/ton	CFM Watts	890 / 971 145 / 161	890 / 899 185 / 181	880 / 827 235 / 189	880 / 754 295 / 184	880 / 680 347 / 184	450 CFM/ton	CFM Watts	889 138	895 181	902 226	899 284	891 347
2.5 tons	290 CFM/ton	CFM Watts	720 / 823 90 / 104	720 / 741 140 / 120	710 / 659 170 / 124	710 / 573 220 / 115	710 / 481 260 / 91	290 CFM/ton	CFM Watts	717 82	718 120	728 159	723 212	717 269
	350 CFM/ton	CFM Watts	870 / 963 140 / 157	860 / 892 182 / 177	873 / 819 235 / 185	860 / 746 280 / 180	850 / 671 330 / 161	350 CFM/ton	CFM Watts	865 128	871 170	879 214	876 272	869 335
	390 CFM/ton	CFM Watts	969 / 1087 143 / 166	985 / 1011 198 / 191	993 / 921 262 / 205	992 / 809 329 / 189	1000 / 770 399 / 187	390 CFM/ton	CFM Watts	969 134	989 188	1004 250	999 323	1026 402
	400 CFM/ton	CFM Watts	993 / 1114 152 / 176	1008 / 1035 208 / 200	1017 / 943 273 / 214	1015 / 828 341 / 196	1022 / 787 413 / 194	400 CFM/ton	CFM Watts	993 142	1013 197	1028 261	1023 335	1049 416
	450 CFM/ton	CFM Watts	993 / 1114 152 / 176	1008 / 1035 208 / 200	1017 / 943 273 / 214	1015 / 828 341 / 196	1022 / 787 413 / 194	450 CFM/ton	CFM Watts	993 142	1013 197	1028 261	1023 335	1049 416
3 tons †	290 CFM/ton	CFM Watts	868 / 974 111 / 128	884 / 907 163 / 156	891 / 826 220 / 173	893 / 729 281 / 162	894 / 688 345 / 162	290 CFM/ton	CFM Watts	868 103	888 154	901 211	900 277	917 347
	350 CFM/ton	CFM Watts	993 / 1114 152 / 176	1008 / 1035 208 / 200	1017 / 943 273 / 214	1015 / 828 341 / 196	1022 / 787 413 / 194	350 CFM/ton	CFM Watts	993 142	1013 197	1028 261	1023 335	1049 416
	390 † CFM/ton	CFM Watts	993 / 1114 152 / 176	1008 / 1035 208 / 200	1017 / 943 273 / 214	1015 / 828 341 / 196	1022 / 787 413 / 194	390 † CFM/ton	CFM Watts	993 142	1013 197	1028 261	1023 335	1049 416
	400 CFM/ton	CFM Watts	993 / 1114 152 / 176	1008 / 1035 208 / 200	1017 / 943 273 / 214	1015 / 828 341 / 196	1022 / 787 413 / 194	400 CFM/ton	CFM Watts	993 142	1013 197	1028 261	1023 335	1049 416
	450 CFM/ton	CFM Watts	993 / 1114 152 / 176	1008 / 1035 208 / 200	1017 / 943 273 / 214	1015 / 828 341 / 196	1022 / 787 413 / 194	450 CFM/ton	CFM Watts	993 142	1013 197	1028 261	1023 335	1049 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

TEM8A0C36V31DB & TEM8A0C42V41DB 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
2.5 tons	290 CFM/ton	CFM Watts	735 / 837 59 / 72	727 / 702 96 / 90	700 / 593 138 / 105	673 / 415 176 / 123	660 / 415 215 / 148	290 CFM/ton	CFM Watts	735 59	727 96	700 138	673 176	660 215
	350 CFM/ton	CFM Watts	883 / 972 82 / 103	884 / 849 124 / 123	882 /746 170 / 138	881 / 657 223 / 152	870 / 577 270 / 168	350 CFM/ton	CFM Watts	883 82	884 124	882 170	881 223	870 270
	400 CFM/ton	CFM Watts	1007 / 1084 109 / 136	1016 / 971 154 / 158	1033 / 874 204 / 174	1020 / 788 269 / 187	1010 / 711 320 / 200	400 CFM/ton	CFM Watts	1007 109	1016 154	1033 204	1020 269	1010 320
	450 CFM/ton	CFM Watts	1133 / 1198 143 / 177	1146 / 1093 192 / 202	1176 /1001 246 / 220	1140 / 919 321 / 233	1130 / 845 375 / 244	450 CFM/ton	CFM Watts	1133 143	1146 192	1176 246	1140 321	1130 375
3 tons	290 CFM/ton	CFM Watts	878 / 993 82 / 108	879 / 872 123 / 129	876 / 771 169 / 144	874 / 682 221 / 157	865 / 602 270 / 173	290 CFM/ton	CFM Watts	878 82	879 123	876 169	874 221	865 270
	350 CFM/ton	CFM Watts	1057 / 1154 122 / 160	1068 / 1045 168 / 184	1091 / 952 220 / 201	1070 / 869 289 / 213	1060 / 793 340 / 225	350 CFM/ton	CFM Watts	1057 122	1068 168	1091 220	1070 289	1060 340
	400 CFM/ton	CFM Watts	1209 / 1289 168 / 216	1223 / 1190 219 / 243	1255 / 1102 277 / 262	1210 / 1024 355 / 276	1190 / 952 410 / 287	400 CFM/ton	CFM Watts	1209 168	1223 219	1255 277	1210 355	1190 410
	450 CFM/ton	CFM Watts	1364 / 1426 230 / 287	1375 / 1334 286 / 317	1393 / 1253 350 / 339	1340 / 1179 429 / 355	1330 / 1110 480 / 367	450 CFM/ton	CFM Watts	1364 230	1375 286	1393 350	1340 429	1330 480
3.5 tons	290 CFM/ton	CFM Watts	1022 / 1123 113 / 148	1031 / 1012 158 / 172	1050 / 917 209 / 188	1030 / 832 275 / 201	1030 / 756 325 / 213	290 CFM/ton	CFM Watts	1022 113	1031 158	1050 209	1030 275	1030 325
	350 CFM/ton	CFM Watts	1235 / 1312 178 / 227	1249 / 1214 229 / 254	1242 / 1128 288 / 274	1230 / 1050 367 / 288	1220 / 978 420 / 299	350 CFM/ton	CFM Watts	1235 178	1249 229	1242 288	1230 367	1220 420
	400 CFM/ton	CFM Watts	1416 /1471 254 / 314	1424 / 1383 313 / 263	1399 / 1303 378 / 368	1380 / 1230 455 / 385	1370 / 1163 510 / 398	400 CFM/ton	CFM Watts	1416 254	1424 313	1399 378	1303 455	1370 510
	450 CFM/ton	CFM Watts	1601 / 1618 356 / 420	1591 / 1536 423 / 454	1547 / 1462 497 / 480	1500 / 1394 553 / 500	1390 / 1330 520 / 514	450 CFM/ton	CFM Watts	1601 356	1591 423	1547 497	1500 553	1390 520
4 tons †	290 CFM/ton	CFM Watts	1168 / 1276 155 / 209	1182 / 1175 204 / 235	1182 / 1087 260 / 254	1170 / 1007 337 / 268	1160 / 935 390 / 279	290 CFM/ton	CFM Watts	1168 155	1182 204	1182 260	1170 337	1160 390
	350 † CFM/ton	CFM Watts	1416 / 1492 254 / 326	1424 / 1404 313 / 357	1399 / 1325 378 / 381	1380 / 1252 455 / 398	1370 / 1185 510 / 411	350 † CFM/ton	CFM Watts	1416 254	1424 313	1399 378	1380 455	1370 510
	400 CFM/ton	CFM Watts	1628 / 1616 373 / 435	1614 / 1535 441 / 468	1534 / 1461 517 / 492	1500 / 1393 568 / 510	1390 / 1329 520 / 524	400 CFM/ton	CFM Watts	1628 373	1614 441	1534 517	1500 568	1390 520
	450 CFM/ton	CFM Watts	1714 / 1605 431 / 435	1686 / 1525 505 / 468	1550 / 1452 584 / 492	1500 / 1385 617 / 510	1390 / 1321 520 / 570	450 CFM/ton	CFM Watts	1714 431	1686 505	1550 584	1500 617	1390 520

- † 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

TEM8A0C48V41DB & TEM8A0C60V51DB 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
3 tons	290 CFM/ton	CFM Watts	864 / 1015 80 / 96	856 / 883 119 / 121	851 / 772 170 / 141	850 / 676 217 / 160	820 / 590 276 / 182	290 CFM/ton	CFM Watts	864 76	856 119	851 168	843 219	822 276
	350 CFM/ton	CFM Watts	1037 / 1179 120 / 137	1037 / 1059 170 / 164	1040 / 957 224 / 185	1030 / 866 265 / 204	1030 / 784 334 / 221	350 CFM/ton	CFM Watts	1037 110	1037 158	1040 213	1039 271	1032 334
	400 CFM/ton	CFM Watts	1184 / 1317 160 / 180	1187 / 1207 215 / 209	1193 / 1110 275 / 233	1180 / 1024 325 / 251	1190 / 945 380 / 268	400 CFM/ton	CFM Watts	1184 149	1187 200	1193 260	1196 324	1197 393
	450 CFM/ton	CFM Watts	1334 / 1457 205 / 232	1336 / 1354 265 / 265	1343 / 1263 335 / 290	1340 / 1181 395 / 310	1340 / 1105 460 / 327	450 CFM/ton	CFM Watts	1334 198	1336 254	1343 318	1348 388	1353 461
3.5 tons	290 CFM/ton	CFM Watts	1015 / 1147 115 / 128	1000 / 1025 160 / 155	1000 / 921 205 / 176	1000 / 829 255 / 194	1000 / 746 309 / 212	290 CFM/ton	CFM Watts	1003 103	1002 149	1004 203	1002 260	992 322
	350 CFM/ton	CFM Watts	1210 / 1341 165 / 188	1210 / 1231 220 / 218	1210 / 1136 280 / 241	1210 / 1050 335 / 260	1210 / 971 395 / 277	350 CFM/ton	CFM Watts	1209 157	1212 208	1218 269	1222 334	1224 403
	400 CFM/ton	CFM Watts	1380 / 1503 195 / 252	1380 / 1403 285 / 286	1390 / 1314 355 / 312	1390 / 1233 420 / 332	1390 / 1159 485 / 349	400 CFM/ton	CFM Watts	1384 217	1386 275	1393 340	1397 412	1402 487
	450 CFM/ton	CFM Watts	1560 / 1667 295 / 332	1560 / 1575 365 / 369	1570 / 1492 440 / 398	1570 / 1416 515 / 421	1579 / 1345 595 / 439	450 CFM/ton	CFM Watts	1563 293	1563 362	1566 429	1566 507	1564 588
4 tons	290 CFM/ton	CFM Watts	1140 / 1304 145 / 175	1140 / 1192 200 / 204	1140 / 1095 255 / 227	1140 / 1008 310 / 246	1150 / 929 365 / 263	290 CFM/ton	CFM Watts	1144 138	1147 188	1152 247	1155 309	1154 376
	350 CFM/ton	CFM Watts	1380 / 1525 220 / 262	1380 / 1426 285 / 295	1390 / 1338 355 / 322	1390 / 1257 420 / 343	1390 / 1183 485 / 360	350 CFM/ton	CFM Watts	1384 217	1386 275	1393 340	1397 412	1402 487
	400 CFM/ton	CFM Watts	1590 / 1711 305 / 356	1590 / 1621 380 / 267	1590 / 1539 455 / 356	1590 / 1464 535 /267	1600 / 1394 610 / 466	400 CFM/ton	CFM Watts	1589 305	1588 376	1591 444	1589 522	1585 604
	450 CFM/ton	CFM Watts	1790 / 1898 410 / 474	1790 / 1816 495 / 597	1800 / 1741 585 / 548	1800 / 1670 670 / 575	1810 / 1604 760 / 597	450 CFM/ton	CFM Watts	1800 419	1794 509	1791 575	1773 660	1745 749
5 tons †	290 CFM/ton	CFM Watts	1430 / 1571 240 / 283	1440 / 1475 310 / 318	1440 / 1388 375 / 345	1440 / 1309 445 / 367	1440 / 1236 515 / 384	290 CFM/ton	CFM Watts	1435 237	1436 297	1442 364	1446 437	1450 514
	350 † CFM/ton	CFM Watts	1740 / 1851 380 / 442	1740 / 1767 465 / 482	1750 / 1690 550 / 514	1750 / 1619 635 / 541	1760 / 1552 720 / 562	350 † CFM/ton	CFM Watts	1747 388	1742 472	1740 539	1728 623	1707 710
	400 CFM/ton	CFM Watts	2000 / 2087 540 / 619	2000 / 2012 635 / 663	2010 / 1942 735 / 700	1980 / 1873 810 / 729	1870 / 317 810 / 378	400 CFM/ton	CFM Watts	2015 559	2007 679	1995 739	1951 810	1877 810
	450 CFM/ton	CFM Watts	2260 / 2141 745 / 686	2210 / 2068 810 / 729	2100 / 1999 810 / 766	1980 / 903 810 / 359	1870 / 315 810 / 405	450 CFM/ton	CFM Watts	2125 641	2117 779	2100 810	2038 810	1932 810

- † 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

TEM8A0D48V41DB & TEM8A0D60V51DB 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
3 tons	290 CFM/ton	CFM Watts	859 / 1010 73 / 92	880 / 880 110 / 110	868 / 771 153 / 125	862 / 675 200 / 141	857 / 588 248 / 159	290 CFM/ton	CFM Watts	859 73	880 110	868 153	862 200	857 248
	350 CFM/ton	CFM Watts	1042 / 1173 107 / 131	1058 / 1056 148 / 151	1054 / 955 194 / 167	1053 / 864 246 / 180	1047 / 782 298 / 194	350 CFM/ton	CFM Watts	1042 107	1058 148	1054 194	1053 246	1047 298
	400 CFM/ton	CFM Watts	1214 / 1310 150 / 172	1215 / 1202 194 / 172	1222 / 1107 247 / 211	1225 / 1022 299 / 224	1215 / 943 352 / 236	400 CFM/ton	CFM Watts	1214 150	1215 194	1222 247	1225 299	1215 352
	450 CFM/ton	CFM Watts	1350 / 1448 188 / 223	1338 / 1349 239 / 247	1360 / 1260 292 / 265	1363 / 1178 349 / 279	1361 / 1103 409 / 291	450 CFM/ton	CFM Watts	1350 188	1338 239	1360 292	1363 349	1361 409
3.5 tons	290 CFM/ton	CFM Watts	1007 / 1141 99 / 122	1024 / 1022 140 / 122	1018 / 919 185 / 158	1017 / 827 236 / 171	1010 / 744 288 / 186	290 CFM/ton	CFM Watts	1007 99	1024 140	1018 185	1017 236	1010 288
	350 CFM/ton	CFM Watts	1222 / 1333 150 / 180	1225 / 1227 196 / 202	1232 / 1133 246 / 219	1235 / 1048 301 / 323	1230 / 970 358 / 245	350 CFM/ton	CFM Watts	1222 150	1225 196	1232 246	1235 301	1230 358
	400 CFM/ton	CFM Watts	1421 / 1495 211 / 242	1429 / 1398 268 / 267	1430 / 1310 323 / 285	1437 / 1231 386 / 300	1451 / 1157 454 / 311	400 CFM/ton	CFM Watts	1421 211	1429 268	1430 323	1437 386	1451 454
	450 CFM/ton	CFM Watts	1583 / 1657 275 / 320	1519 / 1569 334 / 346	1592 / 1488 394 / 367	1588 / 1413 457 / 383	1586 / 1343 524 / 395	450 CFM/ton	CFM Watts	1583 275	1519 334	1592 394	1588 457	1586 524
4 tons	290 CFM/ton	CFM Watts	1155 / 1297 133 / 167	1164 / 1188 177 / 189	1166 / 1092 226 / 206	1168 / 1006 279 / 219	1162 / 927 334 / 231	290 CFM/ton	CFM Watts	1155 133	1164 226	1166 226	1168 279	1162 334
	350 CFM/ton	CFM Watts	1431 / 1516 216 / 254	1421 / 1420 264 / 276	1408 / 1334 313 / 295	1402 / 1255 369 / 309	1408 / 1181 435 / 321	350 CFM/ton	CFM Watts	1431 216	1421 264	1408 313	1402 369	1408 435
	400 CFM/ton	CFM Watts	1635 / 1700 302 / 343	1625 / 1614 360 / 259	1617 / 1534 418 / 391	1610 / 1461 479 / 407	1592 / 1392 535 / 420	400 CFM/ton	CFM Watts	1635 302	1625 360	1617 418	1610 479	1592 535
	450 CFM/ton	CFM Watts	1818 / 1886 388 / 458	1829 / 1808 458 / 487	1815 / 1734 527 / 511	1787 / 1666 598 / 529	1760 / 1602 675 / 544	450 CFM/ton	CFM Watts	1818 388	1650 458	1815 527	1787 598	1760 675
5 tons †	290 CFM/ton	CFM Watts	1453 / 1562 224 / 272	1466 / 1468 278 / 297	1463 / 1384 334 / 317	1465 / 1306 393 / 332	1464 / 1234 456 / 344	290 CFM/ton	CFM Watts	1453 224	1423 278	1463 334	1465 393	1464 456
	350 † CFM/ton	CFM Watts	1779 / 1840 360 / 427	1779 / 1759 428 / 456	1767 / 1684 494 / 478	1746 / 1615 563 / 496	1729 / 1549 638 / 510	350 † CFM/ton	CFM Watts	1766 360	1627 428	1767 494	1746 563	1729 638
	400 CFM/ton	CFM Watts	2043 / 2074 537 / 600	2019 / 2002 609 / 631	1982 / 1934 656 / 657	1916 / 1871 682 / 678	1822 / 272 687 / 380	400 CFM/ton	CFM Watts	2043 537	2019 609	1982 656	1916 682	1822 687
	450 CFM/ton	CFM Watts	2141 / 2112 584 / 658	2090 / 2041 673 / 688	2047 / 1975 760 / 712	1953 / 1207 851 / 417	1792 / 337 945 / 372	450 CFM/ton	CFM Watts	2141 584	1677 673	2047 760	1953 851	1792 945

- † 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

TEM8A0B24V21DB 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

TEM8A0B30V31DB 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

TEM8A0C36V31DB, TEM8A0C42V41DB 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

Table 4. Electrical Data

TEM8A0C48V41DB, TEM8A0C60V51DB 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

Table 5. Electrical Data

TEM8A0D48V41DB, TEM8A0D60V51DB 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

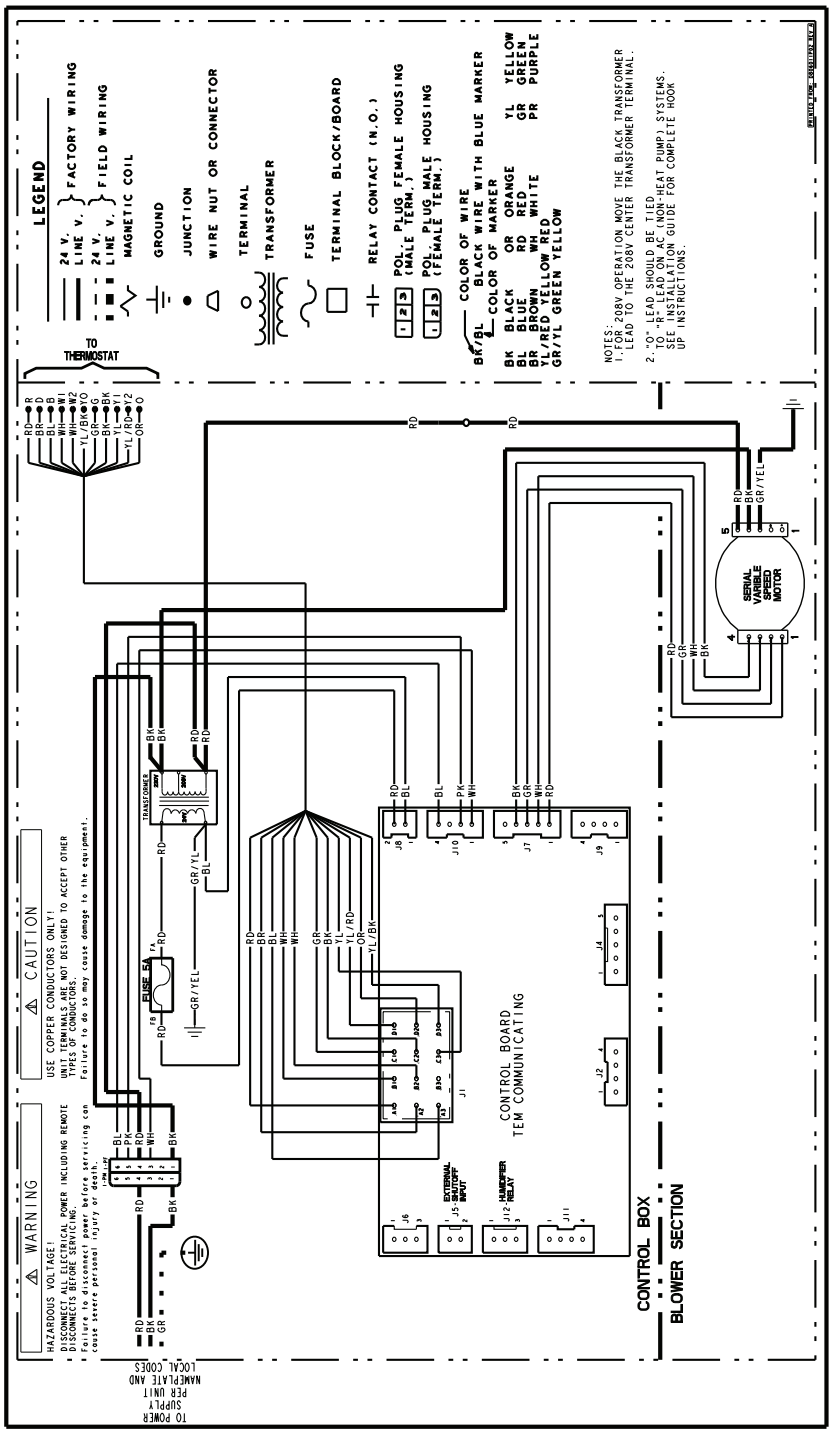
TEM8A0B24V21DB, TEM8A0B30V31DB		
Heater	**Minimum Heater Airflow CFM**	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504LUG BAYHTR1505BRK, BAYHTR1505LUG	650	600
BAYHTR1508BRK, BAYHTR1508LUG	850	700
BAYHTR1510BRK, BAYHTR1510LUG	850	700
BAYHTR1517BRK	1000	850
BAYHTR3510LUG	850	700
BAYHTR3517LUG	1000	850

TEM8A0C36V31DB, TEM8A0C42V41DB		
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

TEM8A0C48V41DB, TEM8A0C60V51DB		
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

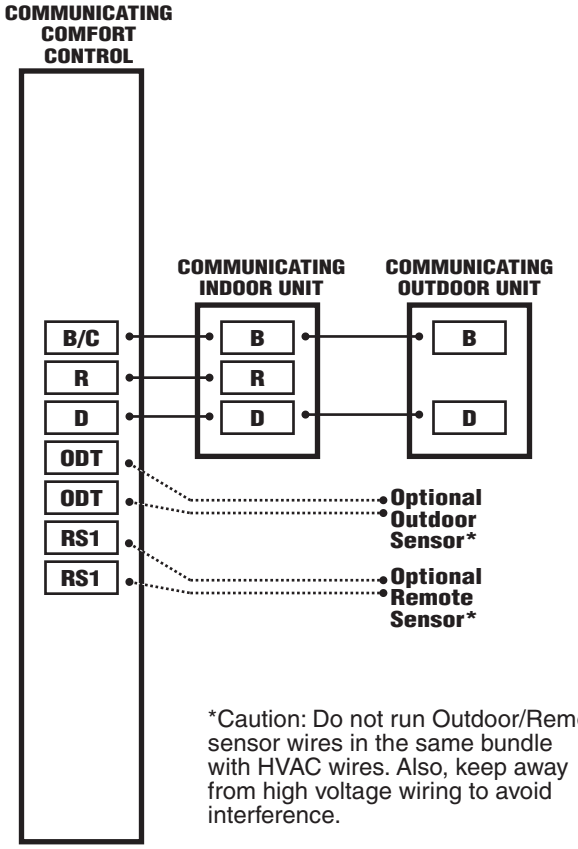
TEM8A0D48V41DB, TEM8A0D60V51DB		
Heater	**Minimum Heater Airflow CFM**	
	With Heat Pump	Without Heat Pump
BAYHTR1504BRK, BAYHTR1504LUG BAYHTR1505BRK, BAYHTR1505LUG	900	800
BAYHTR1508BRK, BAYHTR1508LUG	1200	1000
BAYHTR1510BRK, BAYHTR1510LUG	1200	1000
BAYHTR1517BRK	1400	1100
BAYHTR3510LUG	1200	1000
BAYHTR3517LUG	1400	1100
BAYHTR1523BRK	1400	1300
BAYHTR1525BRK	1600	1400

Wiring D806011P02revA for PD



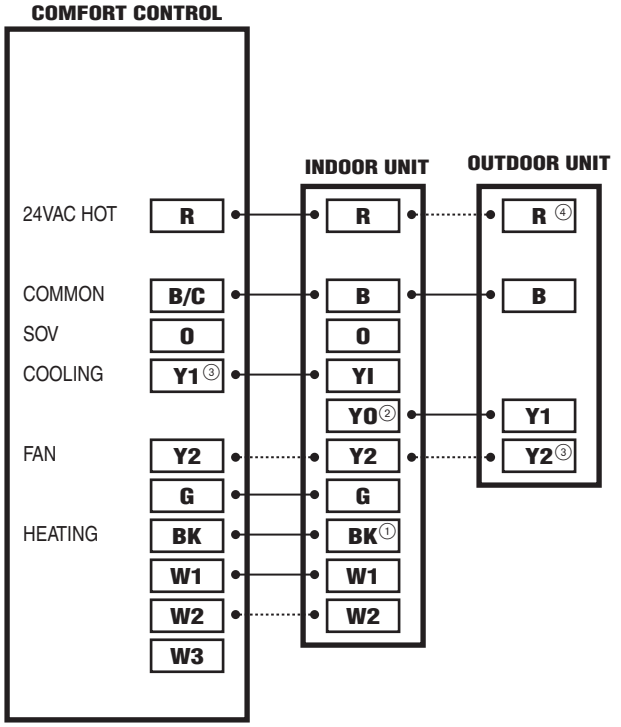
Field Wiring

Communicating Controls Wiring Diagram



*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.

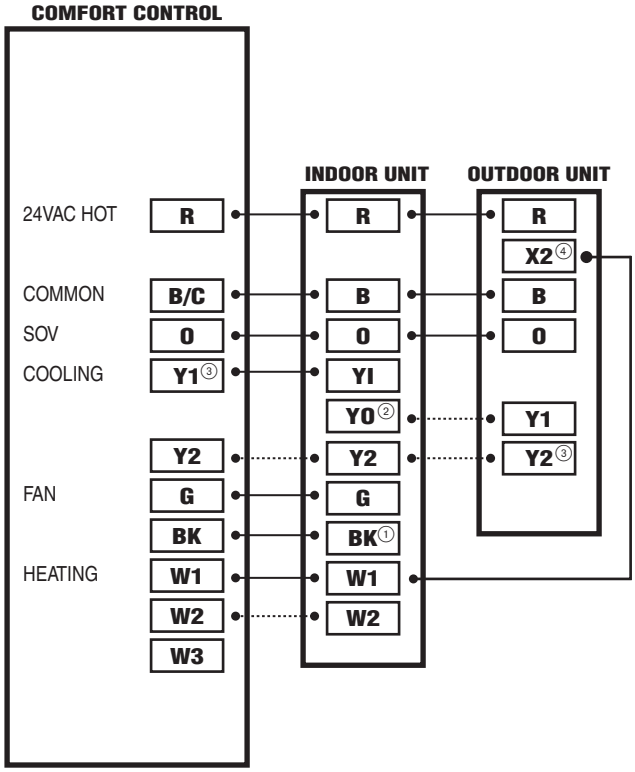
1 OR 2 STAGE COOLING WITH TEM8 MODEL VARIABLE SPEED AIR HANDLER



NOTES:

1. Cut the BK jumper on the AFC when using the BK fuctionality from the thermostat.
2. YI and YO 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 at required only for two stage units.

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

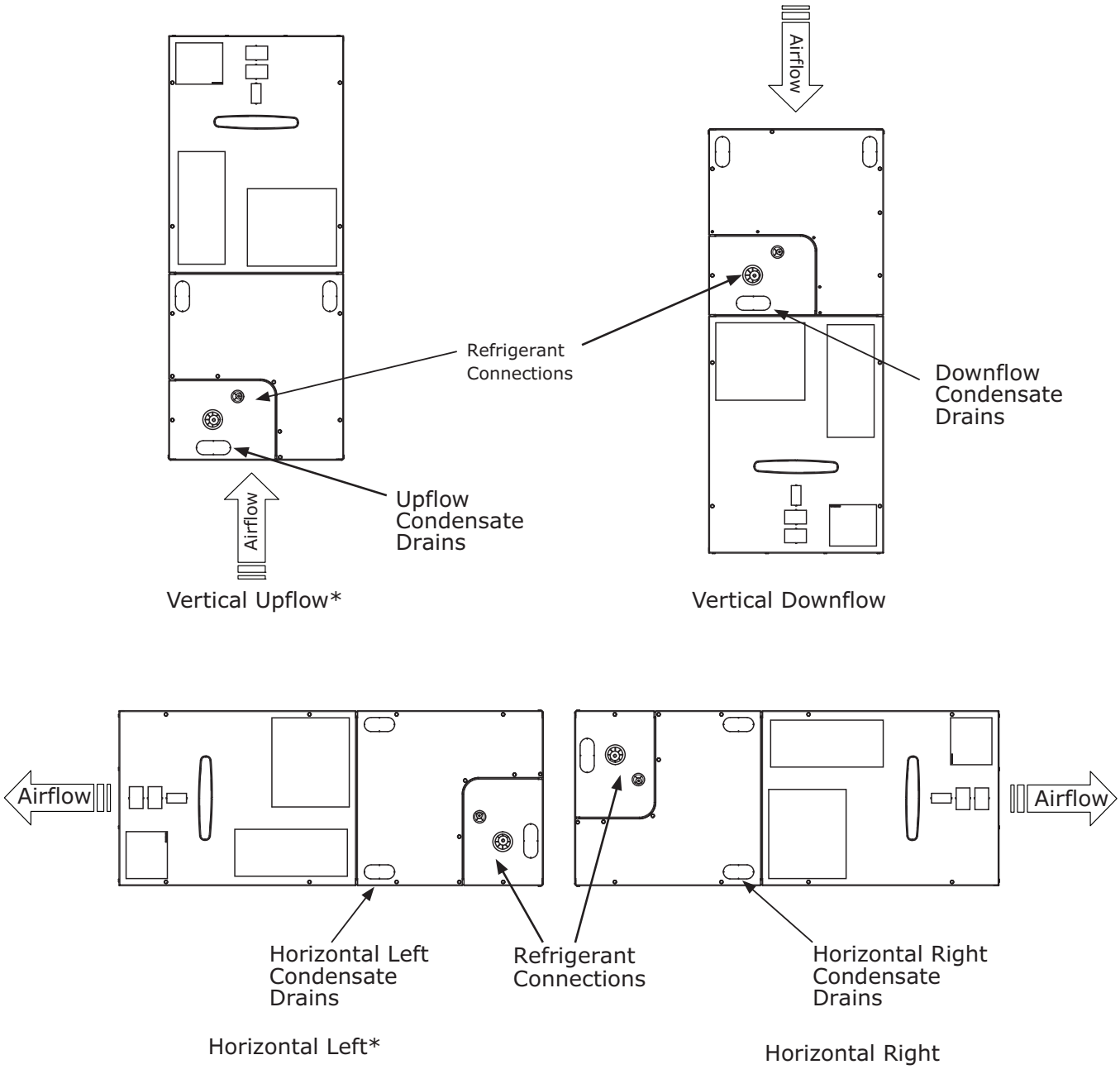


NOTES:

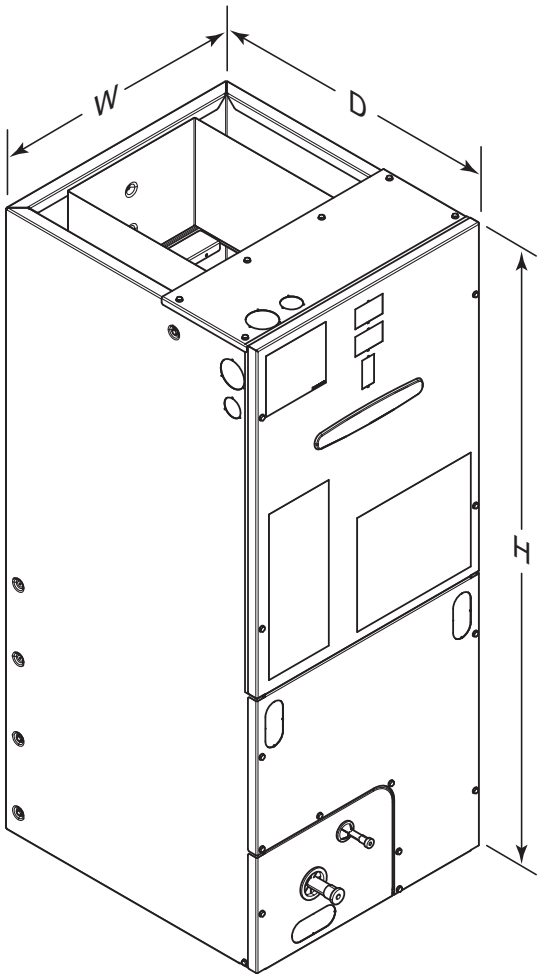
1. Cut the BK jumper on the AFC when using the BK fuctionality from the thermostat.
2. YI and YO connections must be made as shown for external switch functionality. (See table 5) Can be used for condensate overflow switch as well as other functions. Configure this functionality from the AFC seven segment 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.**

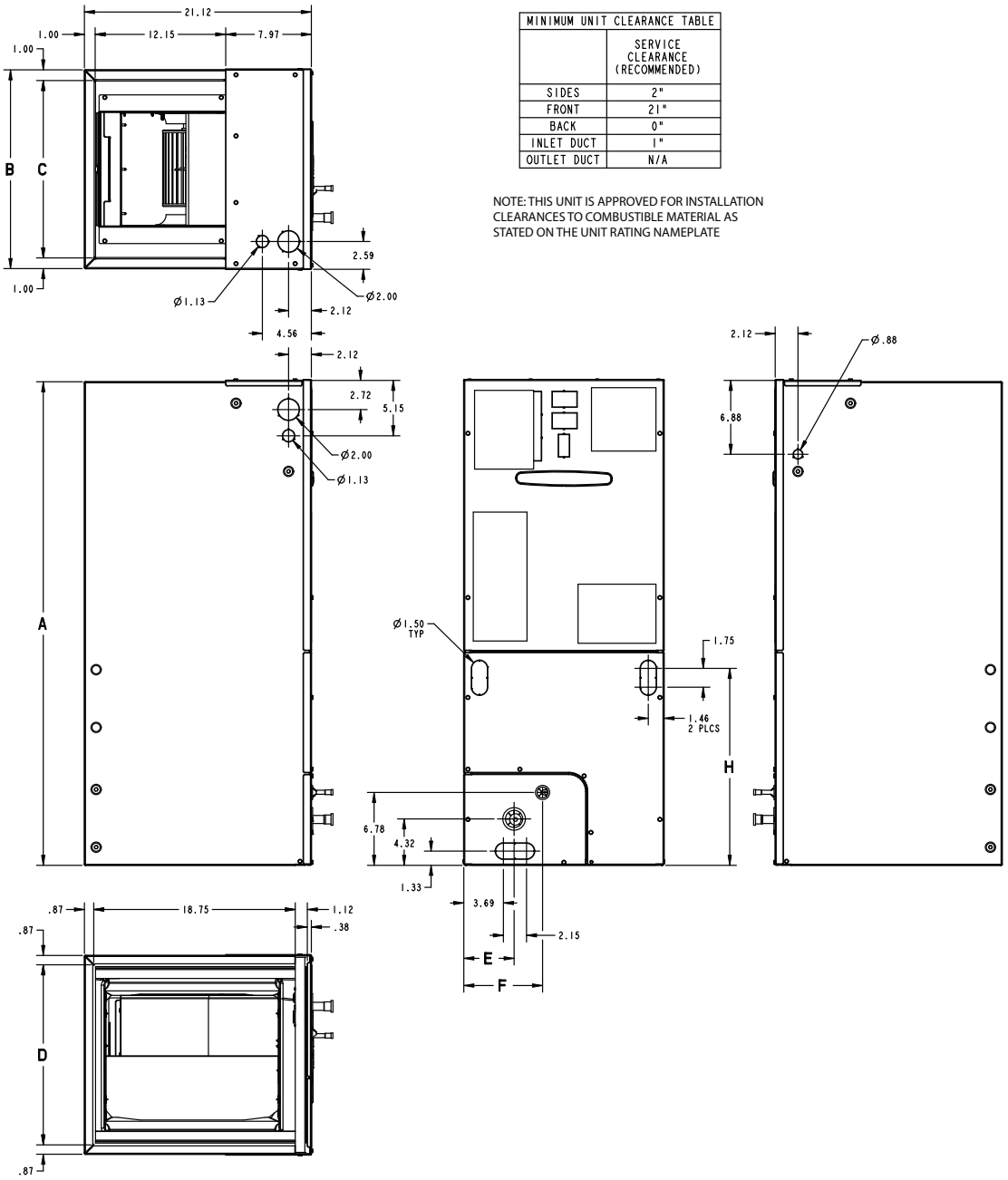


TEM8 Air Handler Dimensional Data



Model No.	H	W	D
TEM8A0B24V21DB	46.77	18.50	21.13
TEM8A0B30V31DB	46.77	18.50	21.13
TEM8A0C36V31DB	51.27	23.50	21.13
TEM8A0C42V41DB	51.27	23.50	21.13
TEM8A0C48V41DB	55.87	23.50	21.13
TEM8A0D48V41DB	53.87	26.50	21.13
TEM8A0C60V51DB	55.87	23.50	21.13
TEM8A0D60V51DB	53.87	26.50	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, 60	55.87	23.50	21.50	21.75	4.68	9.66	27.19	TXV	7/8
TEM8A0D48, 60	53.87	26.50	24.50	24.75	7.01	9.66	27.19	TXV	7/8
All dimensions are in inches									

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Supersedes 22-1936-1D-EN (March 2018)