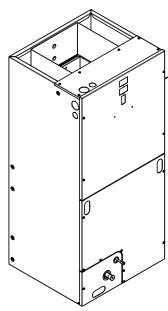
# Installer's Guide

# **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.

#### A SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.



### SAFETY SECTION **AIR HANDLERS**

Important: This document contains a wiring diagram,

a parts list, and service information. This is customer property and is to remain with this unit. Please return to service information pack upon completion of work.

Important: These instructions do not cover all variations in systems nor provide for every possible contingency to be met in connection with the installation. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to your installing dealer or local distributor.

### **A** WARNING

#### **HAZARDOUS VOLTAGE!**

Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power cannot be inadvertently energized.

#### **A** CAUTION

#### **GROUNDING REQUIRED!**

Reconnect all grounding devices. All parts of this product that are capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

#### **A** WARNING

#### LIVE ELECTRICAL COMPONENTS!

Follow all electrical safety precautions when exposed to live electrical components. It may be necessary to work with live electrical components during installation, testing, servicing, and troubleshooting of this product.

#### **A** WARNING

#### PRESSURIZED REFRIGERANT!

System contains oil and refrigerant under high pressure. Recover refrigerant to relieve pressure before opening the system. Do no use nonapproved refrigerants or refrigerant substitutes or refrigerant additives.

#### **A** CAUTION

#### SHARP EDGE HAZARD!

Be careful of sharp edges on equipment or any cuts made on sheet metal while installing or servicing.

### **A** CAUTION

#### HAZARDOUS VAPORS!

Equipment corrosion damage. To prevent shortening its service life, the air handler should not be used during the finishing phases of construction or remodeling. The low return air temperatures can lead to the formation of condensate. Condensate in the presence of chlorides and fluorides from paint, varnish, stains, adhesives, cleaning compounds, and cement creates a corrosive condition which may cause rapid deterioration of the cabinet and internal components.

#### **A** CAUTION

#### **COIL IS PRESSURIZED!**

- Coil is pressurized with approximately 8-12 psi dry air and factory checked for leaks.
- Carefully release the pressure by removing the rubber plug on the liquid line.
- If no pressure is released, check for leaks.

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#### **A WARNING**

#### SAFETY HAZARD!

#### PRECAUTIONARY MEASURES

- Avoid breathing fiberglass dust
- Use a NIOSH approved dust/mist respirator
- Avoid contact with the skin or eyes. Wear longsleeved, loose fitting clothing, gloves, and eye protection
- Wash clothes separately from other clothing, rinse washer thoroughly
- Operations such as sawing, blowing, tear-out, and spraying may generate fiber concentrations requiring additional respiratory protection. Use the appropriate NIOSH approved respirator in these situations

#### **FIRST AID MEASURES**

- EYE CONTACT: FLUSH EYES WITH WATER TO REMOVE DUST. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.
- SKIN CONTACT: WASH AFFECTED AREA GENTLY WITH SOAP AND WARM WATER AFTER HANDLING.

This warning complies with state of California law, Proposition 65.

### **A** WARNING

#### **SAFETY HAZARD!**

This appliance is not to be used by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

#### **▲** WARNING

#### **SAFETY HAZARD!**

Children should be supervised to ensure that they do not play with the appliance.

Important: Installation of this unit shall be made in accordance with the National Electric Code, NFPA No. 90A and 90B, and any other local codes or utilities requirements.

Important: Air handlers do not require repositioning of the coil or drain pan for upflow or horizontal left applications. See the downflow and horizontal right installation sections for application instructions. Note: Air handlers have been evaluated in accordance with the Code of Federal Regulations, Chapter XX, Part 3280 or the equivalent. "SUITABLE FOR MOBILE HOME USE."

Note: Condensation may occur on the surface of the air handler when installed in an unconditioned space. When units are installed in unconditioned spaces, verify that all electrical and refrigerant line penetrations on the air handler are sealed completely.

Note: The manufacturer recommends installing ONLY A.H.R.I approved, matched indoor and outdoor systems. Some of the benefits of installing approved matched indoor and outdoor split systems are maximum efficiency, optimum performance, and the best overall system reliability.

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### **Features**

#### Table 1. Standard Features

- MULTI-POSITION UPFLOW, DOWNFLOW, HORIZONTAL LEFT AND HORIZONTAL RIGHT
- PAINTED FINISH ON GALVANIZED STEEL EXTERIOR WITH FULLY INSULATED CABINET THAT MEETS R4.2 VALUE
- STURDY POLYCARBONATE DRAIN PANS
  - The TEM air handler has factory installed drain pans and is shipped for upflow and horizontal left applications
- 208/230 VAC OPERATION
- MULTI-SPEED DIRECT DRIVE BLOWER.
- FACTORY INSTALLED R-410A THERMAL EXPANSION VALVE
- ALL ALUMINUM COIL
- BOTTOM RETURN
- MEETS THE MINIMUM LEAKAGE REQUIREMENTS FOR THE FLORIDA AND CALIFORNIA BUILDING CODES

#### Table 2. Optional Accessories

- 4,5,8,10,15,19, 20 and 21 KW SINGLE PHASE ELECTRIC HEATERS
  - Circuit breakers available on all single phase 4, 5, 8, 10, 15, 19, 20 and 21 KW heaters
  - Pull disconnects or lugs available on all single phase 4, 5, 8, and 10 KW heaters
- 10 and 15 KW THREE PHASE ELECTRIC HEATERS
  - Heaters available with lug terminal
- SINGLE POINT POWER ENTRY KIT (for 15,19, 20 and 21 KW Heaters)
- SUPPLY DUCT FLANGE KIT
- DOWNFLOW WATER MANAGEMENT KIT BAYTEMDFKT1A (required for 5 Ton models)
- DOWNFLOW SUB-BASE KITS TAYBASE185, TAYBASE235
- R-22 CONVERSION KITS BAYATXV1836B, BAYATXV4248B, BAYATXV6161B
- SLIM FIT FILTER BOX KIT BAYSF1185AAA, BAYSF1235AAA

#### Installation Instructions

#### 1. Unpacking

Carefully unpack the unit and inspect the contents for damage. If any damage is found at the time of delivery, proper notification and claims should be made with the carrier.

Check the rating plate to assure model number and voltage, plus any kits match with what you ordered. The manufacturer should be notified within 5 days of any discrepancy or parts shortage.

#### 2. Location

The air handler should be centrally located and may be installed in a closet, alcove, utility room, basement, crawl space or attic. Minimum clearances must be met.

IMPORTANT: The downflow sub-base may be required with electric heat applications.

See minimum clearance table.

IMPORTANT: A downflow condensate management kit BAYTEMDFKT1A is required and must be ordered separately for downflow applications of all 5-ton air handlers.

The unit must be installed in a level position to ensure proper condensation drainage. Make sure the unit is level in both directions within 1/8" on either side.

When the unit is installed in a closet or utility room, the room should be large enough, and have an opening to allow replacement of the unit. All servicing is done from the front and a clearance of 21" is needed for service unless the closet door aligns with the front of the air handler.

If you are installing the unit in an unconditioned space such as an attic or crawl space, you must ensure that the area provides sufficient air circulation to prevent moisture collection on the cabinet during high dew point conditions. A drain pan must be installed under the entire unit when it is installed in or above a finished ceiling or in an unconditioned space.

#### 3. Duct Work

The duct work should be installed in accordance with the NFPA No. 90A "Installation of Air Conditioning and Ventilating systems" and No. 90B "Residential Type Warm Air Heating and Air Conditioning Installation."

The duct work should be insulated in accordance with the applicable requirements for the particular installation as required by HUD, FHA, VA the applicable building code, local utility or other governing body.

#### 4. Condensate Drain

The unit is supplied with primary and auxiliary condensate drains that have 3/4" NPT connections. The primary drain must be trapped outside the unit and piped in accordance with applicable building codes. Do not reduce the drain line size less than the connection size on the drain pan. Condensate should be piped to an open drain or to the outside. All drains must pitch downward away from the unit a minimum of 1/4" per foot of line to ensure proper drainage.

**IMPORTANT:** If cleanout Tee is used, stand pipe must be sealed/capped.

Insulate the primary drain line to prevent sweating where dew point temperatures may be met. (Insulation is optional depending on climate and application needs.)

#### 5. Refrigerant Piping

Refrigerant piping external to the unit shall be sized in accordance with the instructions of the manufacturer of the outdoor equipment.

#### 6. Metering Device

All units are shipped and installed with an internally-checked, bleed TXV designed for air conditioning or heat pump operation. Pressures equalize after shut down. Some outdoor models may require a start assist kit. See outdoor unit for more information.

#### 7. Blower

This unit is supplied with a multi-speed motor with a direct drive blower wheel which can obtain various air flows. The unit is shipped with factory set cooling and heating speed taps. Airflow performance tables are available for additional speed taps. Disconnect all power to the unit before making any adjustments to the motor speed taps. Be sure to check the air flow and the temperature drop across the evaporator coil to ensure sufficient air flow.

#### 8. Wiring

Consult all schematic and pictorial wiring diagrams of this unit and the outdoor equipment to determine compatibility of wiring connections and to determine specific requirements.

All field wiring to the air handler should be installed in accordance with the latest edition of the National Electric Code NFPA No. 70 and any local codes. Check rating plates on unit for rated volts, minimum circuit ampacity and maximum over current protection. Supply circuit power wiring must be 75 degree C (167 degree F) minimum copper conductors only. Copper supply wires shall be sized to the National Electric Code or local code requirements, whichever is more stringent.

The unit is shipped wired for 230/240 Volt AC 60 HZ 1 Phase Operation. If the unit is to be operated at 208 VAC 60HZ, follow the instructions on the indoor unit wiring diagram to change the low voltage transformer to 208 VAC operation (Ensure unit is properly grounded).

Class 2 low voltage control wiring should not be run in conduit with power wiring and must be separated from power wiring unless class 1 wire with proper voltage rating is used.

Low voltage control wiring should be 18 Awg, color coded (105 degree C minimum). For lengths longer than 100ft., 16 Awg wire should be used. Make certain that separation of control wiring and power wiring has been maintained.

#### 9, Air Filter

To protect the coil, blower and other internal parts from excessive dirt and dust an air filter must be

installed before air enters the evaporator coil. A remote filter must be installed. Consult the filter manufacturer for proper sizing and maximum velocity requirements.

#### 10. Thermostat

Select a thermostat that is commonly used with HP or AC single stage heating/cooling with electric heat. The thermostat will energize the fan on a demand for heat or cool.

Install the thermostat on an inside wall, away from drafts, lights or other heat sources in a location that has sufficient air circulation from other rooms being controlled by the thermostat.

# 11. Sequence of Operation Cooling (Cooling only)

PSC versions - When the thermostat calls for cooling, the circuit from R to G is completed. The blower relay is energized.

Constant torque version – When the thermostat calls for cooling, the circuit from R to G is completed. The blower motor is energized directly by the 24VAC signal from the thermostat.

The circuit from R to Y is also complete energizing the compressor contactor of the outdoor unit. The contactor will close and start the compressor and condenser fan motor,

#### Cooling (heat pump)

PSC versions - When the thermostat calls for cooling, the circuit from R to G is completed. The blower relay is energized.

Constant torque version – When the thermostat calls for cooling, the circuit from R to G is completed. The blower motor is energized directly by the 24VAC signal from the thermostat.

The circuit from R to Y is also complete energizing the compressor contactor of the outdoor unit. The contactor will close and start the compressor and condenser fan motor.

Circuit R to O energizes the reversing valve to the cooling position.

#### Heating (heat pump)

PSC versions - When the thermostat calls for heating, the circuit from R to G is completed. The blower relay is energized.

Constant torque version – When the thermostat calls for heating, the circuit from R to G is completed and the blower motor is energized directly by the 24VAC signal from the thermostat.

The circuit from R to Y is also complete energizing the compressor contactor of the outdoor unit. The contactor will close and start the compressor and condenser fan motor.

In the heating mode, the reversing valve of the outdoor unit is not energized.

If the indoor temperature continues to fall, the R to W circuit is completed energizing the electric heat contactor(s).

#### Heating (electric heat only)

**Note:** The thermostat must be setup to bring the blower on when the electric heat is energized.

PSC versions - When the thermostat calls for heating, the circuit from R to G is completed. The blower relay is energized. The circuit from R to W is completed energizing the heating contactor(s).

Constant torque version - When the thermostat calls for heating, the circuit from R to G is completed and the blower motor is energized directly by the 24VAC signal from the thermostat. The circuit from R to W is completed energizing the heating contactor(s).

#### Defrost

Supplemental heat during defrost can be provided by connecting the X2 (black) wire from the outdoor unit to W1 or W2 at the indoor unit. This will prevent cold air from being discharged from the indoor unit during defrost.

#### 12. Operational and Checkout Procedures

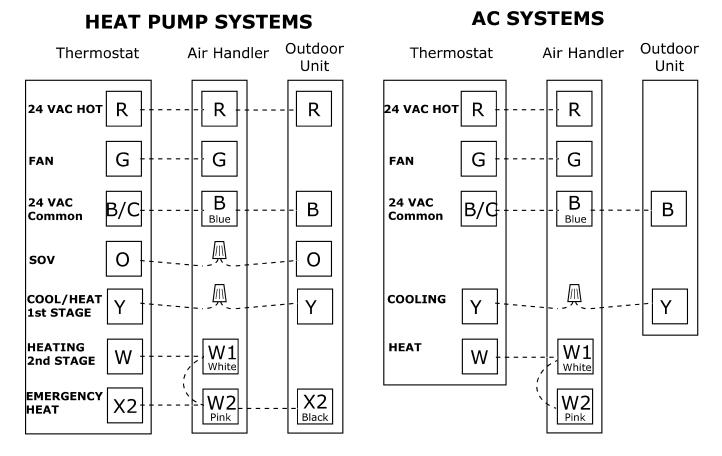
To obtain proper performance, all units must be operated and charge adjustments made in accordance with procedures found in the Service Facts document of the outdoor unit. After installation has been completed, it is recommended that the entire system be checked against the checkout list located at the back of this document. See "Checkout Procedures," p. 26

#### 13. Maintenance

The system air filter(s) should be inspected, cleaned or replaced at least monthly. Make certain that the access panels are replaced and secured properly before placing the unit back in operation. This product is designed for dependable service; however, periodic maintenance should be scheduled and conducted by trained professional service personnel. This service should be conducted at least annually, and should include testing and inspection of electrical and refrigerant components. The heat transfer surface should be cleaned. The blower motor is permanently lubricated for normal operating conditions.

# **Field Wiring**

Figure 1. 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.

### **Electrical Data**

Figure 2. TEM4A0B18–C36

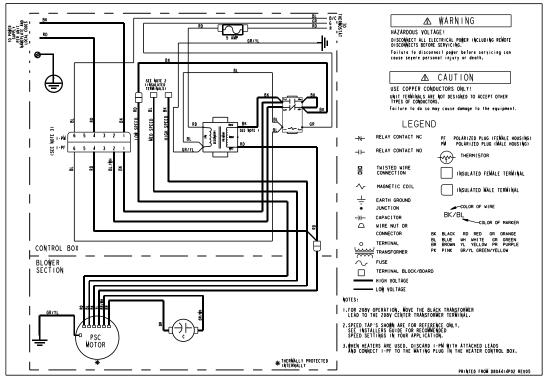
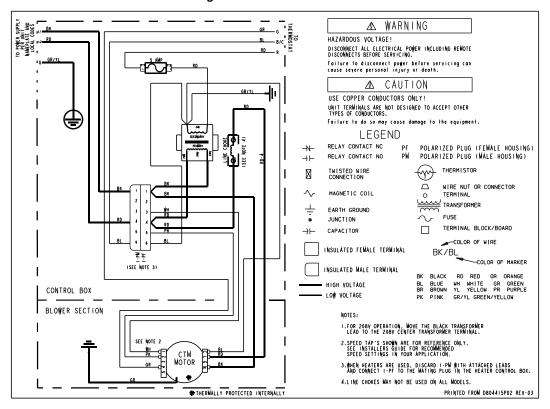


Figure 3. TEM4A0C42-C60



### **Performance and Electrical Data**

**Table 3. Air Flow Performance** 

		TEM4A0B18S	21SA, TEM4A0B2	4S21SA (a)		
EXTERNAL STATIC			AIR	FLOW		
(in w.g)	S	peed Taps — 230 VO	LTS	Sį	peed Taps — 208 VO	LTS
	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	

Values are with wet coil, no filter, and no heaters
 CFM Correction for dry coil = Add 3%
 † = Factory setting

Table 4. Electrical Data

			TI	EM4A0B18	S21SA, TE	M4A0B24S	21SA				
				240 V	olt				208	Volt	
Heater Model No.	No. of Circuits/	Сар	acity	Heater	Minimum Circuit	Maximum Overload	Сар	acity	Heater	Minimum Circuit	Maximum
	Phases	kW	втин	Amps per Circuit	Ampacity	Protection	kW	втин	Amps per Circuit	Ampacity	Overload Protection
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

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

Table 5. Air Flow Performance

		TEI	M4A0B30S31SA			
EXTERNAL STATIC			AIR	FLOW		
(in w.g)	Sı	oeed Taps — 230 VO	LTS	Sį	oeed Taps — 208 VO	LTS
	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

Values are with wet coil, no filter, and no heaters
 CFM Correction for dry coil = Add 3%

Table 6. Electrical Data

				Т	EM4A0B30	S31SA					
	No. of			240 \	/olt				208	Volt	
Heater Model No.	No. of Circuits/	Сар	acity	Heater	Minimum	Maximum	Cap	acity	Heater	Minimum	Maximum
	Phases	kW	втин	Amps per Circuit	Circuit Ampacity	Overload Protection	kW	втин	Amps per Circuit	Circuit Ampacity	Overload Protection
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	2/1	4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
BAYHTR1519BRK- Circuit 1 <sup>(a)</sup>	2/1	9.6	32800	40.0	53	60	7.2	24600	34.6	46	50
BAYHTR1519BRK- Circuit 2	2/1	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				<u> </u>						<u> </u>	

<sup>(</sup>a) MCA and MOP for circuit 1 contains the motor amps

<sup>3.</sup>  $\dagger$  = Factory setting

<sup>4.</sup> In downflow applications, airflow must not exceed 1200 cfm due to condensate blowoff.

Table 7. Air Flow Performance

		TE	M4A0C36S41SA			
EXTERNAL STATIC			AIR	FLOW		
(in w.g)	S	peed Taps — 230 VO	LTS	S	peed Taps — 208 VO	LTS
	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 8. Electrical Data

AAYHTRISOAPPC					Т	EM4A0C36	S41SA					
Heater Model No.   Circuits   Phases   Rw   BTUH   Heater Circuit   Minimum   Maximum   Capacity   Phases   Rw   BTUH   Circuit   Ampacity   Protection   Rw   BTUH   Circuit   Ampacity   Circuit   Ci		No. of			240 \	/olt				208	Volt	
No Heater	Heater Model No.		Cap	acity				Сар	acity			
AYHTR1504BRK AYHTR1504BRK AYHTR1504BRK AYHTR1504BRK AYHTR1504BRK AYHTR1504BRK AYHTR1504BRK AYHTR1505BRK AYHTR1505BRK AYHTR1505BRC AYHTR1505BRC AYHTR1505BRC AYHTR1505BRC AYHTR1505BRC AYHTR1505BRC AYHTR1505BRC AYHTR1505BRC AYHTR1508BRK AYHTR150BBRC AYHTR150BRC AYHTR150BLUG AYHTR150BRC AYHTR1510BRC AYHTR1510BRC AYHTR1510BRC AYHTR1515BRK—Ircuit 1 (a) 4.8 16400 20.0 53 60 7.2 24600 34.6 47 50 AYHTR1515BRK—Ircuit 1 (a) 4.8 16400 20.0 25 25 3.6 12300 17.3 22 25 AYHTR1515BRK—Ircuit 1 (a) 4.8 16400 20.0 25 25 3.6 12300 17.3 22 25 AYHTR1520BRK—Ircuit 1 (a) 9.6 32800 40.0 53 60 7.2 24600 34.6 47 50 AYHTR1515BRK—Ircuit 1 (a) 9.6 32800 40.0 53 60 7.2 24600 34.6 47 50 AYHTR1515BRK—Ircuit 1 (a) 9.6 32800 40.0 53 60 7.2 24600 34.6 47 50 AYHTR1520BRK—Ircuit 1 (a) 9.6 32800 40.0 50 50 7.2 24600 34.6 47 50 AYHTR1520BRK—Ircuit 1 (a) 9.6 32800 40.0 50 50 7.2 24600 34.6 47 50 AYHTR1515BRK—Ircuit 1 (a) 9.6 32800 40.0 50 50 7.2 24600 34.6 47 50 AYHTR1515BRK—Ircuit 1 (a) 9.6 32800 40.0 50 50 7.2 24600 34.6 47 50 AYHTR1515BRK—Ircuit 1 (a) 9.6 32800 40.0 50 50 7.2 24600 34.6 43 45 AYHTR1515BRK—Ircuit 1 (a) 9.6 32800 23.1 32 35 7.2 24600 20.0 28 30 AYHTR1515BRK—Ircuit 1 (a) 14.4 49100 34.6 46 50 10.8 36900 30.0 40 40 AYHTR1515BRK—Ircuit 1 (a) 14.4 49100 60.0 83 90 10.8 36900 51.9 73 80 AYHTR1515BRK—Ircuit 1 (a) 14.4 49100 60.0 83 90 10.8 36900 51.9 73 80 AYHTR1515BRK—Ircuit 1 (a) 14.4 49100 60.0 83 90 10.8 36900 51.9 73 80 AYHTR1520BRK—Ircuit 1 (a) 14.4 49100 60.0 83 90 10.8 36900 51.9 73 80 AYHTR1520BRK—Ircuit 1 (a) 14.4 49100 60.0 83 90 10.8 36900 51.9 73 80 AYHTR1520BRK—Ircuit 1 (a) 14.4 49100 60.0 83 90 10.8 36900 51.9 94 100 AYHTR1520BRK—Ircuit 1 (a) 14.4 49100 60.0 80 10 10 10 10 14.4 49100 69.2 94 100 AYHTR1520BRK—Ircuit 1 (a) 44.4 49100 60.0 80 10 10 10 10 14.4 49100 69.2 94 100 AYHTR1520BRK—Ircuit 1 (a) 44.4 49100 60.0 80 10 10 10 10 14.4 49100 69.2 94 100 AYHTR1520BRK—Ircuit 1 (a) 44.4 49100 60.0 80 10 10 10 10 14.4 49100 69.2 94 100 AYHTR1540AYERT201A			kW	втин				kW	втин			
AAYHTRISOAPPC	No Heater				2.6 *	3	15			2.6 *	3	15
AAYHTR150SPDC   1/1	BAYHTR1504BRK BAYHTR1504PDC BAYHTR1504LUG	1/1	3.84	13100	16.0	23	25	2.88	9800	13.8	21	25
AYHTR1508PDC   1/1   7.68   26200   32.0   43   45   5.76   19700   27.7   38   40	BAYHTR1505BRK BAYHTR1505PDC BAYHTR1505LUG	1/1	4.8	16400	20.0	28	30	3.6	12300	17.3	25	25
AYHTR1510PDC AYHTR1510BRK-DAYHTR1515BRK-DIRCUIT 1 (a)	BAYHTR1508BRK BAYHTR1508PDC BAYHTR1508LUG	1/1	7.68	26200	32.0	43	45	5.76	19700	27.7	38	40
SAYHTR1515BRK-  Circuit 1 (a)   2/1   4.8   16400   20.0   25   25   3.6   12300   17.3   22   25   25   25   25   25   25   2	BAYHTR1510BRK BAYHTR1510PDC BAYHTR1510LUG	1/1	9.6	32800	40.0	53	60	7.2	24600	34.6	47	50
AAYHTR1515BRK- Circuit 2  AAYHTR1520BRK- Circuit 1 (a)  BAYHTR1520BRK- Circuit 1 (a)  BAYHTR1520BRK- Circuit 2  9.6 32800 40.0 53 60 7.2 24600 34.6 47 50  9.6 32800 40.0 50 50 7.2 24600 34.6 43 45  Circuit 2  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 lower source kit saySPEKT201A  BAYHTR1520BRK With single circuit lower source kit saySPEKT201A  BAYHTR1520BRK With single circuit lower source kit saySPEKT201A  BAYHTR1520BRK With single circuit lower source kit saySPEKT201A  BAYSPEKT201A	BAYHTR1515BRK- Circuit 1 (a)	2/1	9.6	32800	40.0	53	60	7.2	24600	34.6	47	50
SAYHTR1520BRK-Circuit 2   9.6   32800   40.0   53   60   7.2   24600   34.6   47   50	BAYHTR1515BRK- Circuit 2	2/1	4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
AAYHTR1520BRK- Circuit 2  9.6 32800 40.0 50 50 7.2 24600 34.6 43 45  AAYHTR3510LUG 1/3 9.6 32800 23.1 32 35 7.2 24600 20.0 28 30  AAYHTR3515LUG 1/3 14.4 49100 34.6 46 50 10.8 36900 30.0 40 40  AAYHTR1515BRK with single circuit lower source kit bayspektr201A  BAYHTR1520BRK with single circuit lower source kit bayspektr201A  BAYHTR1520BRK with single circuit lower source kit bayspektr201A  BAYHTR1520BRK with single circuit lower source kit bayspektr201A	BAYHTR1520BRK- Circuit 1 <sup>(a)</sup>	2/1	9.6	32800	40.0	53	60	7.2	24600	34.6	47	50
AAYHTR3515LUG 1/3 14.4 49100 34.6 46 50 10.8 36900 30.0 40 40 40 A0 AAYHTR1515BRK with single circuit lower source kit sayspekt7201A ASAYHTR1520BRK with single circuit lower source kit sayspekt7201A ASAYSPEKT201A	BAYHTR1520BRK- Circuit 2	2/1	9.6	32800	40.0	50	50	7.2	24600	34.6	43	45
AAYHTR1515BRK vith single circuit lower source kit AAYSPEKT201A  SAYHTR1520BRK vith single circuit lower source kit says per s	BAYHTR3510LUG	1/3	9.6	32800	23.1	32	35	7.2	24600	20.0	28	30
1/1   14.4   49100   60.0   83   90   10.8   36900   51.9   73   80   80.0	BAYHTR3515LUG	1/3	14.4	49100	34.6	46	50	10.8	36900	30.0	40	40
with single circuit 1/1 19.2 65500 80.0 108 110 14.4 49100 69.2 94 100 ASYSPEKT201A	BAYHTR1515BRK with single circuit power source kit BAYSPEKT201A	1/1	14.4	49100	60.0	83	90	10.8	36900	51.9	73	80
= Motor Amps	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											

 $<sup>^{(</sup>a)}$  MCA and MOP for circuit 1 contains the motor amps

Table 9. Air Flow Performance

	TEM4A0C42S	41SA	
EXTERNAL STATIC		AIRFLOW	
(in w.g)		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

- 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** 

				Т	EM4A0C42	541SA					
	No. of			240 \	/olt				208	Volt	
Heater Model No.	Circuits/	Cap	acity	Heater	Minimum	Maximum	Cap	acity	Heater	Minimum	Maximum
	Phases	kW	втин	Amps per Circuit	Circuit Ampacity	Overload Protection	kW	втин	Amps per Circuit	Circuit Ampacity	Overload Protection
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	2/1	4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
BAYHTR1520BRK- Circuit 1 <sup>(a)</sup>	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											

<sup>(</sup>a) MCA and MOP for circuit 1 contains the motor amps.

**Table 11. Air Flow Performance** 

	TEM4A0C48	S41SA	
EXTERNAL STATIC		AIRFLOW	
(in w.g)		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

- 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
- 5. In downflow applications, airflow must not exceed 1600 cfm due to condensate blowoff.

Table 12. Electrical Data

SAYHTRISOAPDC   1/1   3.84   13100   16   28   30   2.88   9800   13.8   25   25   25   25   25   25   25   2					Т	EM4A0C48	S41SA					
Heater Model No.   Circuits / Phases   Early   Heater Circuit   Minimum Maximum Capacity   Heater Circuit   Minimum Capacity   Minimu		No of			240 \	/olt				208	Volt	
No   Heater	Heater Model No.		Сара	acity				Сар	acity			
SAYHTR1504BRK SAYHTR1504PDC		Phases	kW	втин				kW	втин			
SAYHTRISOAPDC   1/1   3.84   13100   16   28   30   2.88   9800   13.8   25   25   25   25   25   25   25   2	No Heater				6.3 *	8	15			6.3 *	8	15
SAYHTR1505PDC	BAYHTR1504BRK BAYHTR1504PDC BAYHTR1504LUG	1/1	3.84	13100	16	28	30	2.88	9800	13.8	25	25
1/1   7.68   26200   32.0   48   50   5.76   19700   27.7   42   45	BAYHTR1505BRK BAYHTR1505PDC BAYHTR1505LUG	1/1	4.8	16400	20.0	33	35	3.6	12300	17.3	30	30
BAYHTR1510FDC BAYHTR1510FDC BAYHTR1510FDC BAYHTR1510FDC BAYHTR1510FDC BAYHTR1510FDC BAYHTR1515BRK-CIrcuit 1 (a) BAYHTR1515BRK-CIrcuit 2 BAYHTR1515BRK-CIrcuit 2 BAYHTR1521BRK-CIrcuit 2 BAYHTR1515BRK-CIrcuit BAYSPEKT201A BAYHTR1515BRK-CIRCUIT BAYSPEKT201A BAYHTR1515BRK-CIRCUIT BAYSPEKT201A BAYHTR1521BRK-CIRCUIT BAYSPEKT201A BAYHTR1521BRK-CIRCUIT BAYSPEKT201A BAYHTR1521BRK-CIRCUIT BAYSPEKT201A BAYSP	BAYHTR1508BRK BAYHTR1508PDC BAYHTR1508LUG	1/1	7.68	26200	32.0	48	50	5.76	19700	27.7	42	45
SAYHTR1515BRK-  Circuit 2   9.6   32800   40.0   58   60   7.2   24600   34.6   51   60	BAYHTR1510BRK BAYHTR1510PDC BAYHTR1510LUG	1/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60
AAYHTR1515BRK- Circuit 2  BAYHTR1521BRK- Circuit 1 (a)  BAYHTR1521BRK- Circuit 2  BAYHTR1521BRK- Circuit 2  BAYHTR3510LUG  BAYHTR3510LUG  BAYHTR3515LUG  BAYHTR351CUG  BAYHTR35	BAYHTR1515BRK- Circuit 1 (a)	2/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60
SAYHTR1521BRK-Circuit 2   9.6   32800   40.0   58   60   7.2   24600   34.6   51   60	BAYHTR1515BRK- Circuit 2	2/1	4.8	16400	20.0	25	25	3.6	12300	17.3	22	25
3AYHTR1521BRK-Circuit 2       9.6       32800       40.0       50       50       7.2       24600       34.6       43       45         3AYHTR3510LUG       1/3       9.6       32800       23.1       36       40       7.2       24600       20.0       32       35         3AYHTR3515LUG       1/3       14.4       49100       34.6       50       50       10.8       36900       30.0       44       45         3AYHTR1515BRK with single circuit bower source kit BAYSPEKT201A       1/1       14.4       49100       60.0       83       90       10.8       36900       51.9       73       80         3AYHTR1521BRK with single circuit bower source kit BAYSPEKT201A       1/1       19.2       65500       80.0       108       110       14.4       49100       69.2       94       100	BAYHTR1521BRK- Circuit 1 <sup>(a)</sup>	2/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60
BAYHTR3515LUG 1/3 14.4 49100 34.6 50 50 10.8 36900 30.0 44 45  BAYHTR1515BRK with single circuit bower source kit BAYSPEKT201A 1/1 19.2 65500 80.0 108 110 14.4 49100 69.2 94 100 69.2 84	BAYHTR1521BRK- Circuit 2	2/1	9.6	32800	40.0	50	50	7.2	24600	34.6	43	45
BAYHTR1515BRK with single circuit power source kit BAYSPEKT201A  BAYHTR1521BRK with single circuit power source kit BAYSPEKT201A  BAYHTR1521BRK with single circuit power source kit BAYSPEKT201A  BAYSPEKT201A  BAYSPEKT201A	BAYHTR3510LUG	1/3	9.6	32800	23.1	36	40	7.2	24600	20.0	32	35
with single circuit cower source kit as ASAYSPEKT201A  1/1	BAYHTR3515LUG	1/3	14.4	49100	34.6	50	50	10.8	36900	30.0	44	45
with single circuit 2/1 19.2 65500 80.0 108 110 14.4 49100 69.2 94 100 BAYSPEKT201A	BAYHTR1515BRK with single circuit power source kit BAYSPEKT201A	1/1	14.4	49100	60.0	83	90	10.8	36900	51.9	73	80
* = Motor Amps	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											

<sup>(</sup>a) MCA and MOP for circuit 1 contains the motor amps.

**Table 13. Air Flow Performance** 

	TEM4A00	C60S51SA						
EXTERNAL STATIC		AIRFLOW						
(in w.g)	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 14. Electrical Data

TEM4A0C60S51SA												
	No. of		240 Volt					208 Volt				
Heater Model No.	Circuits/ Phases		acity	Heater Amps per	Minimum Circuit	Maximum Overload	<u> </u>	acity	Heater Amps per	Minimum Circuit	Maximum Overload	
		kW	BTUH	Circuit	Ampacity	Protection	kW	BTUH	Circuit	Ampacity	Protection	
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 <sup>(a)</sup>	2/1	9.6	32800	40.0	58	60	7.2	24600	34.6	51	60	
BAYHTR1515BRK- Circuit 2	2, 1	4.8	16400	20.0	25	25	3.6	12300	17.3	22	25	
BAYHTR1520BRK- Circuit 1 <sup>(a)</sup>	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	* = Motor Amps											

 $<sup>^{(</sup>a)}\,\,$  MCA and MOP for circuit 1 contains the motor amps.

# **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				

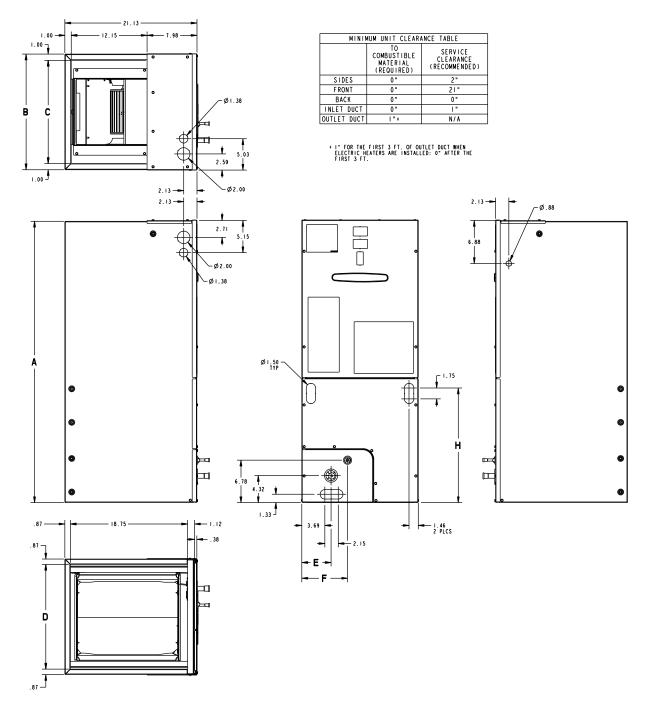
TEM4A0C36S41SA						
Heater	Minimum Heat Speed Tap					
	With Heat Pump	Without Heat Pump				
BAYHTR1504BRK, BAYHTR1504PDC, BAYHTR1504LUG, BAYHTR1505BRK, BAYHTR1505PDC, BAYHTR1505LUG	Low	Low				
BAYHTR1508BRK, BAYHTR1508PDC, BAYHTR1508LUG, BAYHTR1510BRK, BAYHTR1510PDC, BAYHTR1510LUG, BAYHTR3510LUG	Low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

# **Outline Drawing**



PRODUCT DIMENSIONS									
Air Handler Model	Α	В	С	D	E	F	н	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									

# **Heater Pressure Drop Table TEM Air Handler Models**

	Number of Racks						
Airflow CFM	1	2	3	4			
		Air Pressure Dro	p — Inches W.G.				
1800	0.02	0.04	0.06	0.14			
1700	0.02	0.04	0.06	0.14			
1600	0.02	0.04	0.06	0.13			
1500	0.02	0.04	0.06	0.12			
1400	0.02	0.04	0.06	0.12			
1300	0.02	0.04	0.05	0.11			
1200	0.01	0.04	0.05	0.10			
1100	0.01	0.03	0.05	0.09			
1000	0.01	0.03	0.04	0.09			
900	0.01	0.03	0.04	0.08			
800	0.01	0.03					
700	0.01	0.02					
600	0.01	0.02					

### **Coil Conversion Instructions**

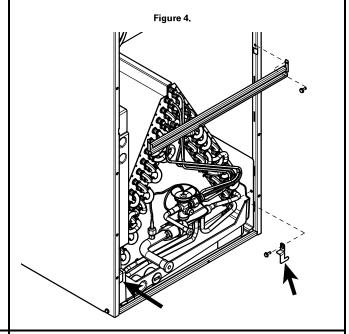
#### Table 15. Downflow

**Important:** Restrictions apply to Downflow applications.

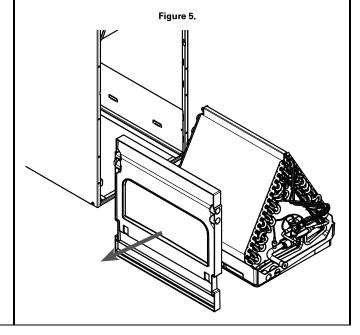
- 1. For 2.5 ton downflow applications, airflow must not exceed 1200 cfm due to condensate blowoff.
- 2. For 3, 3.5 and 4 ton downflow applications, airflow must not exceed 1600 cfm due to condensate blowoff.
- 3. For 5 ton downflow applications, BAYTEMDFKT1A must be used at all times and airflow must not exceed 1800 cfm.

Follow the conversion steps when installing the air handler in downflow configuration.

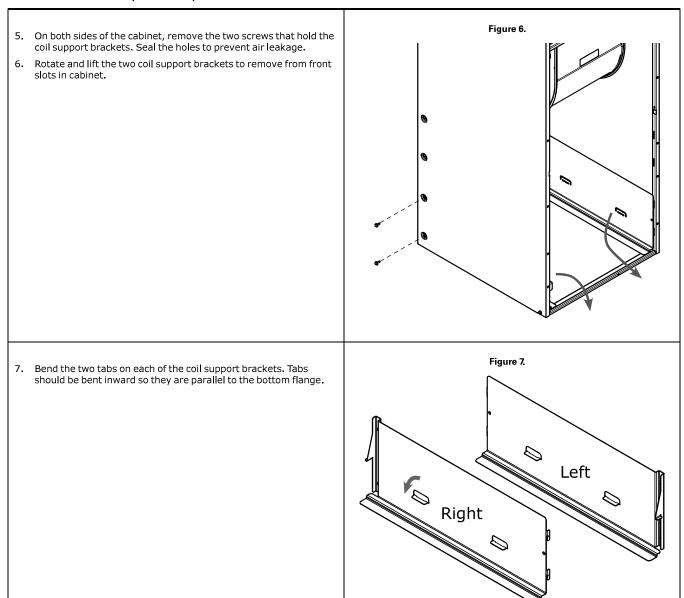
- 1. Remove the front panels from the air handler. The coil and line set panel do not need to be separated.
- Remove the two coil retaining brackets located at the front of the drain pan. Each is held in place by one screw. Discard brackets.
- Remove the two screws holding the center horizontal brace and rotate out of place. Retain parts.



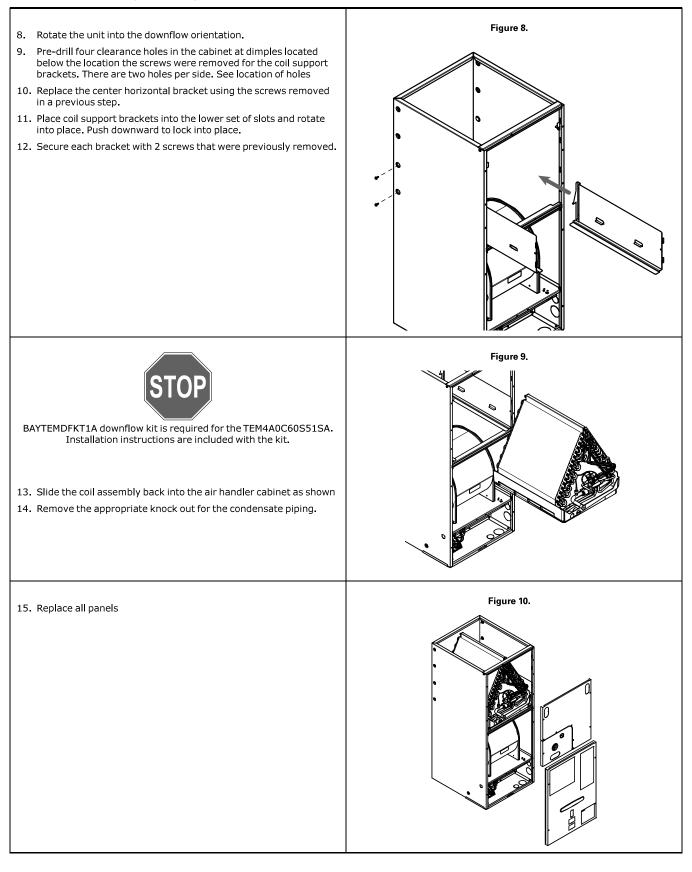
4. Slide the coil assembly out. Remove and discard the horizontal drain pan.



#### Table 15. Downflow (continued)



#### Table 15. Downflow (continued)

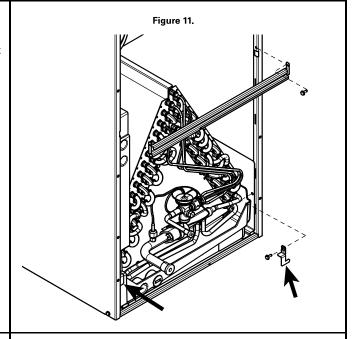


#### **Coil Conversion**

#### Table 16. Horizontal Right

Follow the conversion steps when installing the air handler in horizontal right configuration.

- 1. Remove the front panels from the air handler. The coil and line set panel do not need to be separated.
- Remove the two coil retaining brackets located at the front of the drain pan. Each is held in place by one screw. Save brackets and screws. Figure 11, p. 22
- 3. Remove the two screws holding the center horizontal brace and rotate out of place. Retain parts. Figure 11, p. 22



- 4. Make note of the horizontal drain pan orientation (up/down).
- 5. Slide the coil assembly out.
- Change location of the water diverter bracket by removing the screws on the water diverter bracket that is located on the left side of the coil. Attach the water diverter to the right hand side of the coil using the same screws.

Important: The coil slabs are different and the mount hole locations will vary. See the illustrations on the following pages that correspond to the unit tonnage to see the correct mounting position of the water diverter bracket.

**Important:** The water diverter brackets are not symmetrical and will vary by tonnage.

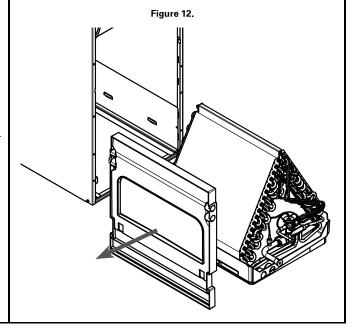


Table 16. Horizontal Right (continued)

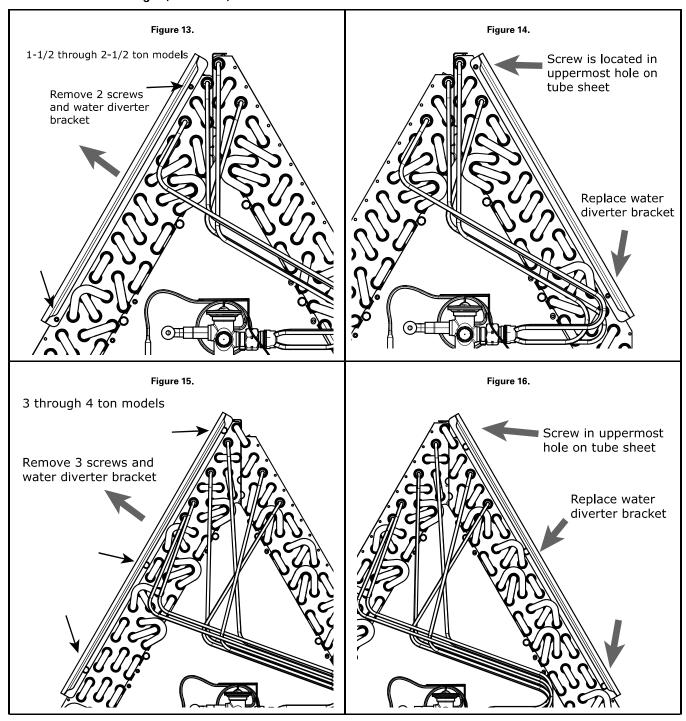


Table 16. Horizontal Right (continued)

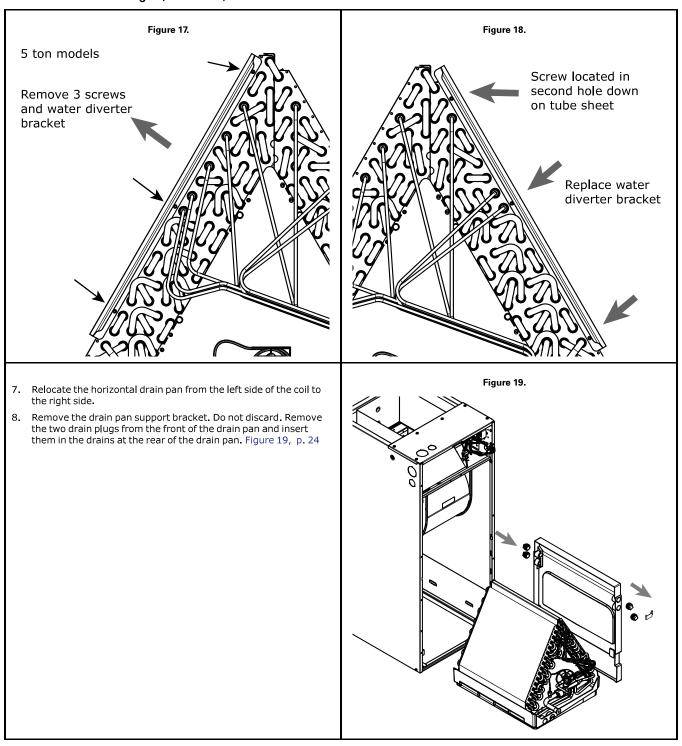
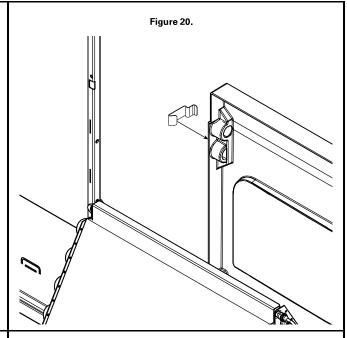
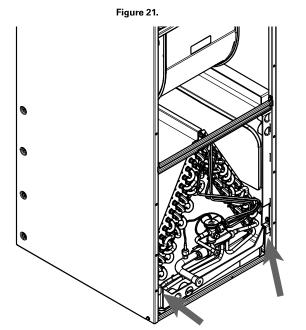


Table 16. Horizontal Right (continued)

9. Reinstall the drain pan support bracket. The bracket should be located between the two drain plugs as shown in Figure 20, p. 25



- 10. Slide the coil assembly back into the air handler cabinet.
- 11. Replace the center horizontal brace removed in a previous step. See Figure 4,  $\, p. \, 19 \,$
- 12. Replace the two coil retaining brackets removed in a previous step. See Figure 4,  $\, \rm p. \, 19 \,$
- 13. Replace the two coil retaining brackets removed in a previous step. See Figure 21,  $\,$  p. 25
- 14. Replace all panels.



## **Checkout Procedures**

The final phase of the installation is the system Checkout Procedures. The following list represents the most common items covered in a Checkout Procedure. Confirm all requirements in this document have been met.

All wiring connections are tight and properly secured.	Supply registers and return grilles are open, unobstructed, and air filter is installed.
Voltage and running current are within limits.	Indoor blower and outdoor fan are operating smoothly and
All refrigerant lines (internal and external to equipment) are isolated, secure, and not in direct contact with each other or	without obstruction.
structure.	Indoor blower motor set on correct speed setting to deliver required CFM.
All braze connections have been checked for leaks. A vacuum of 350 microns provides confirmation that the refrigeration system is leak free and dry.	Cover panels are in place and properly tightened.
Final unit inspection to confirm factory tubing has not shifted during shipment. Adjust tubing if necessary so tubes do not rub	For gas heating systems, manifold pressure has been checked and all gas line connections are tight and leak free.
against each other or any component when unit runs.	For gas heating systems, flue gas is properly vented.
Ductwork is sealed and insulated.	System functions safely and properly in all modes.
All drain lines are clear with joints properly sealed. Pour water into drain pan to confirm proper drainage.	Owner has been instructed on use of system and given manual.







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