18-GF01D1-5

Installer's Guide

Air Handlers
Upflow / Horizontal Left or Right
2 – 5 Ton

4FWCA, 4FWCF

ALL phases of this installation must comply with NATIONAL, STATE AND LOCAL CODES

***Important**: This Document is customer property and is to remain with this unit. Please return to service information pack upon completion of work.*

The 4FWCA/4FWCF series 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.

Section 1. Features

1.1 Standard Features

STANDARD FEATURES
- MULTI-POSITION UPFLOW AND HORIZONTAL
- POWDER COATED FINISH ON GALVANIZED STEEL EXTERIOR WITH FULLY INSULATED CABINET
- STURDY POLYCARBONATE DRAIN PANS
  - The 4FWCA / 4FWCF series has factory installed drain pans for either horizontal position.
- 208/230 VAC OPERATION
- TIME DELAY AND CONTROL TRANSFORMER
- MULTI-SPEED DIRECT DRIVE BLOWER
- FACTORY INSTALLED THERMAL EXPANSION VALVE
- ALL ALUMINUM COIL
- BOTTOM RETURN

1.2 Optional Features

OPTIONAL FEATURES
- 3,5,6,8,10,15, OR 20 KW ELECTRIC HEATER
- CIRCUIT BREAKERS ARE STANDARD ON 15 & 20 KW ELECTRIC HEAT

Manufactured in the U.S.A.

Section 2. Safety Information

⚠ WARNING

SAFETY HAZARD! **This information is intended for use by individuals possessing adequate backgrounds of electrical and mechanical experience. Any attempt to repair a central air conditioning product may result in personal injury and/or property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.**

⚠ WARNING

HAZARDOUS VOLTAGE!

Disconnect all electrical power, including remote disconnects before installing or servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized. Failure to disconnect power before servicing could result in death or serious injury.

⚠ WARNING

LIVE ELECTRICAL COMPONENTS! **During installation, testing, servicing, and troubleshooting of this product, it may be necessary to work with live electrical components. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.**

⚠ WARNING

EXPLOSION HAZARD!

Do not store corrosive or combustible materials, gasoline, or other flammable vapors or liquids near the unit. Failure to follow this warning could result in property damage, serious personal injury, or death.

⚠ WARNING

ELECTRICAL HAZARD!

Grounding Required! Follow proper local and state electrical code on requirements for grounding. Failure to follow this warning could result in property damage, serious personal injury, or death.

⚠ CAUTION

HAZARDOUS VAPORS! **Do not install an air handler with a non-ducted return in the same closet, alcove, or utility room as a fossil fuel device. Hazardous vapors can be distributed throughout the conditioned space and equipment damage can result.**

***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.*

***Important:** Units are not evaluated for mobile home applications.*

***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.*

⚠ CAUTION

Coil is pressurized. Release pressure at service port before opening tubes.

- **Coil is pressurized with approximately 25 psi nitrogen.**
- **Carefully release the pressure by depressing the valve core of the service port before un-sweating the tubing cap.**
- **If no pressure is released, check for leaks.**
- **Once pressure is released, un-sweat the vapor line cap.**
- **Use a tubing cutter to open the liquid line.**

⚠ CAUTION

CORROSION HAZARD! **To prevent shortening its service life, the air handler should not be used during the finishing phases of construction. 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.**

⚠ CAUTION

SAFETY HAZARD! **Sharp Edge Hazard. Be careful of sharp edges on equipment or any cuts made on sheet metal while installing or servicing. Personal injury may result.**

⚠ WARNING

THIS PRODUCT CONTAINS FIBERGLASS WOOL INSULATION! FIBERGLASS DUST AND CERAMIC FIBERS ARE BELIEVED BY THE STATE OF CALIFORNIA TO CAUSE CANCER THROUGH INHALATION. GLASSWOOL FIBERS MAY ALSO CAUSE RESPIRATORY, SKIN, OR EYE IRRITATION.

PRECAUTIONARY MEASURES

- **Avoid breathing fiberglass dust**
- **Use a NIOSH approved dust/mist respirator**
- **Avoid contact with the skin or eyes. Wear long-sleeved, 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.

***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:** THE 4FWCA/4FWCF SERIES UNITS DO NOT REQUIRE REPOSITIONING OF DRAIN PAN. UNIT IS SHIPPED WITH HORIZONTAL LEFT, HORIZONTAL RIGHT AND UPFLOW PANS INSTALLED.*

It is not necessary to remove the coil during installation. The 4FWCA/4FWCF Series Units may be installed in the vertical upflow position or either the left or right hand horizontal position.

Section 3. Installation Instructions

3.1 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.

3.2 Location

The blower coil unit should be centrally located and may be installed in a closet, alcove, utility room, basement, crawl space or attic with zero clearance from any side, front, rear or duct work.

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 24" is needed for service unless the closet door aligns with the front of the furnace.

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.

3.3 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.

3.4 Condensate Drain

The unit is supplied with 3/4 inch primary and auxiliary condensate drains. Both drains 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 1/8" per foot of line to ensure proper drainage. Insulate the primary drain line to prevent sweating where dew points temperatures may be met. (Insulation is optional depending on climate and application needs.)

3.5 Refrigerant Piping

Refrigerant piping external to the unit shall be sized in accordance with the instructions of the manufacturer of the outdoor equipment. When units are recess-mounted in a wall, make certain that piping connections are pressure tested prior to the wall being closed.

3.6 Metering Device

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

3.7 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 constant torque motor speed taps. Be sure to check the air flow and the temperature drop across the evaporator coil to ensure sufficient air flow.

3.8 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 blower coil 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 operated at 208 VAC 60HZ, follow the instruction on the indoor unit wiring diagram to change the low voltage transformer to 208 VAC operation.

Be sure the 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.

3.9 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 should be sized for a maximum of 300 feet/minute air velocity.

3.10 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. The thermostat should be mounted 4 to 5 feet above the floor.

3.11 Sequence of Operation

Cooling (cooling only). When the thermostat calls for cooling, the blower relay is energized. The N.O. contacts will close, after a 30-second time delay, the indoor blower will operate. The circuit from R to Y is completed: causing the contactor on the outdoor equipment to close and start the compressor and the outdoor fan motor.

Cooling (heat pump). When the thermostat calls for cooling, the circuits from R to G and R to O are completed. Circuit R to O energizes the reversing valve to the cooling position, Circuit R to G energizes blower relay. The N.O. contacts will close. After a time delay, the indoor blower will operate. The circuit from R to Y is completed: causing the contactor on the outdoor equipment to close and start the compressor and the outdoor fan motor.

Heating (electric heat only). When the thermostat calls for heat, the circuit from R to W is completed, the heat sequencer is energized. A time delay will occur: The heating element(s) and the indoor blower motor will activate.

Heat pump. When the thermostat calls for heat, the circuits from R to Y and R to G are completed. Circuit R to Y energizes the outdoor unit contactor starting the compressor and outdoor fan. Circuit R to G energizes the blower relay starting the blower motor.

If the indoor room temperature continues to fall, circuit R to W is closed by the thermostat energizing the electric heat sequencer.

Blower Time Delay. This unit is equipped with a 30-second timed on and a 30-second timed off relay. This relay delays the start and delays the stopping of the indoor fan motor to maximize the efficiency of the unit.

Defrost. Supplemental heat during defrost can be provided by connecting Brown on the blower coil to the defrost relay on the outdoor heat pump. This will complete the circuit from R to Brown (in the blower coil) through a set of contacts in the defrost relay in the outdoor unit when the unit starts the defrost cycle. This circuit, when connected, will help prevent cold air from being discharged from the indoor unit during the defrost.

3.12 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 following list:

[ ] 1. Be sure unit suspension (if used) is secure and there are no tools or loose debris in, around or on top of the unit.

[ ] 2. Properly insulate suction lines and fittings.

[ ] 3. Properly secure and isolate all refrigerant lines.

[ ] 4. Verify that all electrical connections are tight.

[ ] 5. Check all duct outlets; they must be open and unrestricted.

[ ] 6. Check drain lines and be sure all joints are tight.

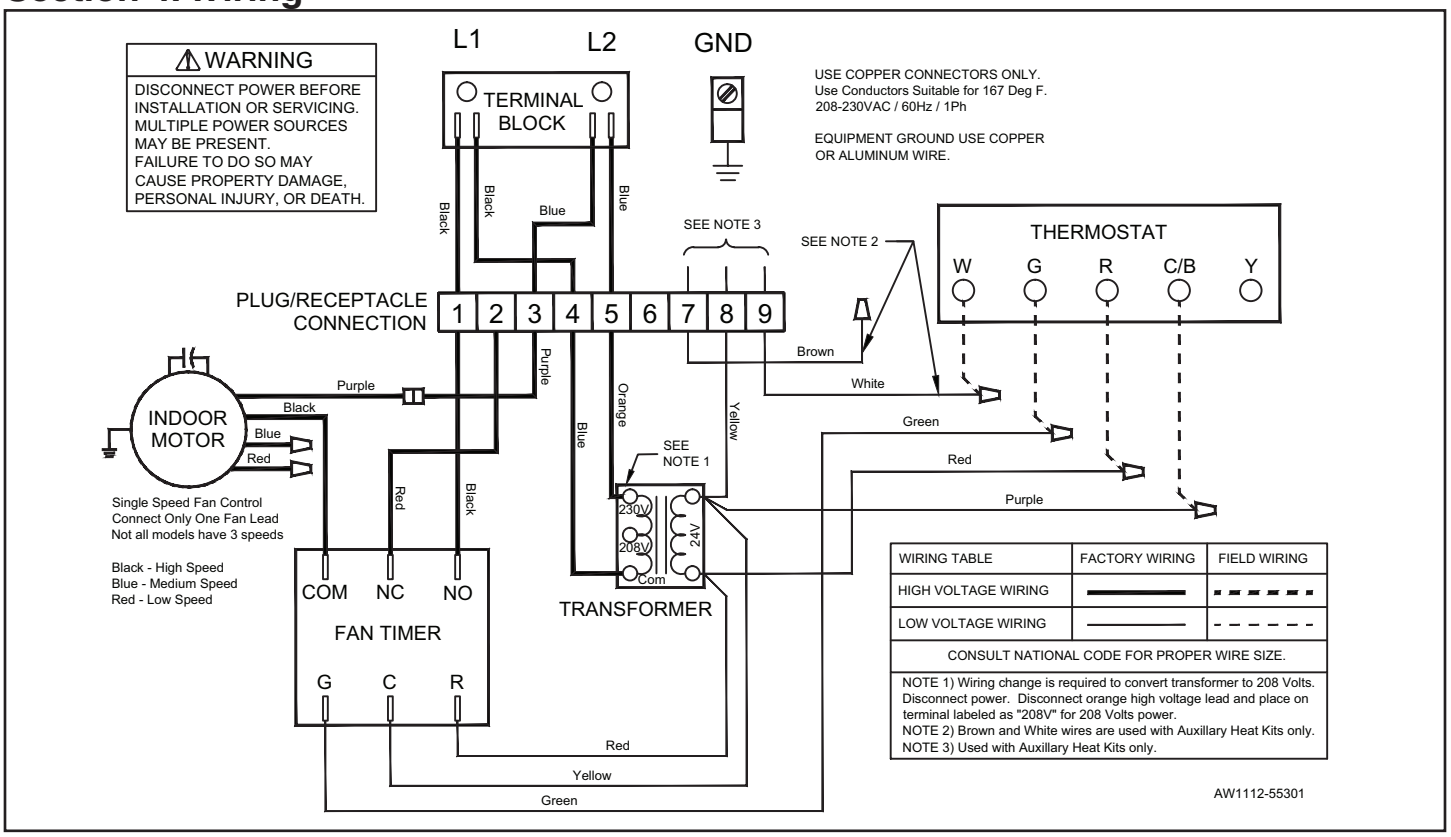
[ ] 7. Be sure the return air filter is installed.

[ ] 8. Operate complete system in each mode to verify proper performance. Verify operation of supplementary electric heater.

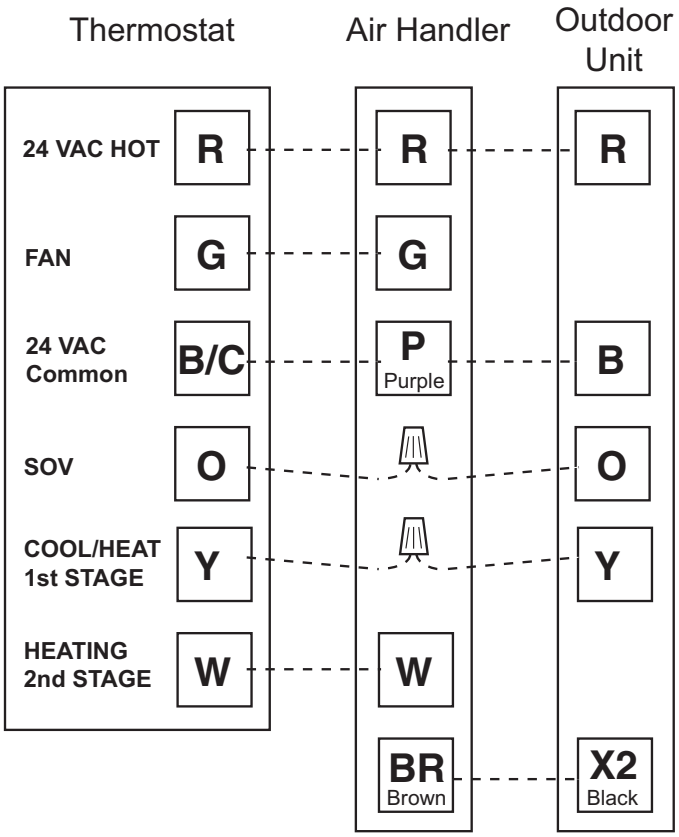
3.13 Maintenance

The system air filter(s) should be inspected, cleaned or replaced at least monthly. If the filter is mounted internal to unit, make sure that electrical power is disconnected before removing the access panels. 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.

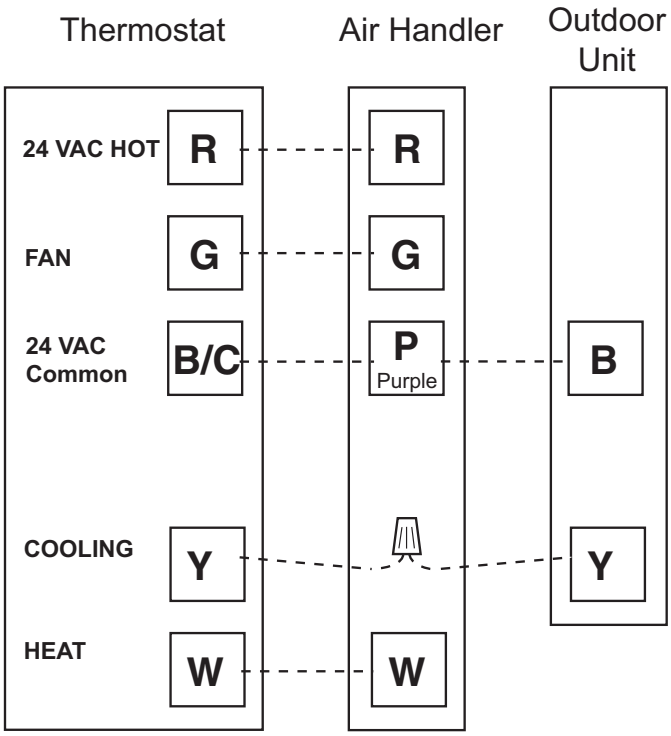
Section 4. Wiring



HEAT PUMP SYSTEMS



AC SYSTEMS



Performance and Electrical Data – 4FWC(A/F)024,025

AIR FLOW PERFORMANCE						
4FWC(A,F)024/025						
EXTERNAL STATIC (in w.g)	AIRFLOW					
	Speed Taps - 230 VOLTS			Speed Taps - 208 VOLTS		
	High	Med	Low	High	Med	Low
0.1	960	840	650	860	760	590
0.2	935	820	640	840	740	580
0.3	895	790	610	810	710	550
0.4	840	740	570	760	670	510
0.5	780	690	530	700	620	480

NOTES:

1. Values are with dry coil, filter in place, and no heaters
2. CFM Correction for wet coil = 4%

4FWC(A,F)024/025 MINIMUM HEATER AIRFLOW CFM		
Heater	Mimimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR**1403SL0	Low	Low
BAYHTR**1405SL0	Low	Low
BAYHTR**1406SL0	Low	Low
BAYHTR**1408SL0	Low	Low
BAYHTR**1410SL0	Med	Low

ELECTRICAL DATA											
4FWC(A,F)024 / 4FWC(A,F)025											
Heater Model No	No. of Circuits	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	15				2	15
BAYHTR**1403SL0	1	3	10200	12.5	18	20	2.25	7700	10.8	15	15
BAYHTR**1405SL0	1	4.8	16400	20	27	30	3.6	12300	17.3	24	25
BAYHTR**1406SL0	1	6	20500	25	33	35	4.5	15400	21.6	29	30
BAYHTR**1408SL0	1	8	27300	33.3	44	45	6	20500	28.8	38	40
BAYHTR**1410SL0	1	9.6	32800	40	52	60	7.2	24600	34.6	45	45
Note: Heaters with two circuits are displayed as Circuit 1/Circuit 2 (Minimum Circuit Ampacity for Circuit 1 includes Blower Motor Amp)											
** = DS, BK, or Blank (DS = Pull Disconnect, BK = Circuit Breaker Disconnect, Blank = terminal block)											

Performance and Electrical Data – 4FWC(A/F)030,031

AIR FLOW PERFORMANCE						
4FWC(A,F)030/031						
EXTERNAL STATIC (in w.g)	AIRFLOW					
	Speed Taps - 230 VOLTS			Speed Taps - 208 VOLTS		
	High	Med	Low	High	Med	Low
0.1	1450	1290	1160	1310	1160	1040
0.2	1410	1270	1140	1270	1140	1030
0.3	1370	1250	1120	1230	1130	1010
0.4	1290	1180	1060	1160	1060	950
0.5	1200	1100	1000	1080	990	900

NOTES:

1. Values are with dry coil, filter in place, and no heaters
2. CFM Correction for wet coil = 4%

4FWC(A,F)030/031 MINIMUM HEATER AIRFLOW CFM		
Heater	Mimimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR**1403SL0	Low	Low
BAYHTR**1405SL0	Low	Low
BAYHTR**1406SL0	Low	Low
BAYHTR**1408SL0	Low	Low
BAYHTR**1410SL0	Low	Low
BAYHTRBK1415SL0	Low	Low

ELECTRICAL DATA											
4FWC(A,F)030 / 4FWC(A,F)031											
Heater Model No	No. of Circuits	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	15				2	15
BAYHTR**1403SL0	1	3	10200	12.5	18	20	2.25	7700	10.8	15	15
BAYHTR**1405SL0	1	4.8	16400	20	27	30	3.6	12300	17.3	24	25
BAYHTR**1406SL0	1	6	20500	25	33	35	4.5	15400	21.6	29	30
BAYHTR**1408SL0	1	8	27300	33.3	44	45	6	20500	28.8	38	40
BAYHTR**1410SL0	1	9.6	32800	40	52	60	7.2	24600	34.6	45	45
BAYHTRBK1415SL0	2	14.4	49100	40/20	52/25	60/25	10.8	36800	34.6/17.3	45/22	45/25
Note: Heaters with two circuits are displayed as Circuit 1/Circuit 2 (Minimum Circuit Ampacity for Circuit 1 includes Blower Motor Amp)											
** = DS, BK, or Blank (DS = Pull Disconnect, BK = Circuit Breaker Disconnect, Blank = terminal block)											

Performance and Electrical Data – 4FWC(A/F)036

AIR FLOW PERFORMANCE						
4FWC(A,F)036						
EXTERNAL STATIC (in w.g)	AIRFLOW					
	Speed Taps - 230 VOLTS			Speed Taps - 208 VOLTS		
	High	Med	Low	High	Med	Low
0.1	1450	1290	1160	1310	1160	1040
0.2	1410	1270	1140	1270	1140	1030
0.3	1370	1250	1120	1230	1130	1010
0.4	1290	1180	1060	1160	1060	950
0.5	1200	1100	1000	1080	990	900

NOTES:

1. Values are with dry coil, filter in place, and no heaters
2. CFM Correction for wet coil = 4%

4FWC(A,F)036 MINIMUM HEATER AIRFLOW CFM		
Heater	Mimimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTR**1403SL0	Low	Low
BAYHTR**1405SL0	Low	Low
BAYHTR**1406SL0	Low	Low
BAYHTR**1408SL0	Low	Low
BAYHTR**1410SL0	Low	Low
BAYHTRBK1415SL0	Med	Low
BAYHTRBK1420SL0	Med	Low

ELECTRICAL DATA											
4FWC(A,F)036											
Heater Model No	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater					4	15				4	15
BAYHTR**1403SL0	1	3	10200	12.5	19	20	2.25	7700	10.8	17	20
BAYHTR**1405SL0	1	4.8	16400	20	29	30	3.6	12300	17.3	25	25
BAYHTR**1406SL0	1	6	20500	25	35	35	4.5	15400	21.6	31	35
BAYHTR**1408SL0	1	8	27300	33.3	45	45	6	20500	28.8	40	40
BAYHTR**1410SL0	1	9.6	32800	40	54	60	7.2	24600	34.6	47	50
BAYHTRBK1415SL0	2	14.4	49100	40/20	54/25	60/25	10.8	36800	34.6/17.3	47/22	50/25
BAYHTRBK1420SL0	2	19.2	65500	40/40	54/50	60/50	14.4	49100	34.6/34.6	47/43	50/45
Note: Heaters with two circuits are displayed as Circuit 1/Circuit 2 (Minimum Circuit Ampacity for Circuit 1 includes Blower Motor Amp)											
** = DS, BK, or Blank (DS = Pull Disconnect, BK = Circuit Breaker Disconnect, Blank = terminal block)											

Performance and Electrical Data – 4FWC(A/F)048, 049

AIR FLOW PERFORMANCE						
4FWC(A,F)048/049						
EXTERNAL STATIC (in w.g)	AIRFLOW					
	Speed Taps - 230 VOLTS			Speed Taps - 208 VOLTS		
	High	Med	Low	High	Med	Low
0.1	1700	1320	1140	1530	1190	1030
0.2	1640	1280	1100	1480	1150	990
0.3	1560	1230	1060	1400	1110	950
0.4	1500	1190	1030	1350	1070	930
0.5	1400	1120	970	1260	1010	870

NOTES:

1. Values are with dry coil, filter in place, and no heaters
2. CFM Correction for wet coil = 4%

4FWC(A,F)048/049 MINIMUM HEATER AIRFLOW CFM		
Heater	Mimimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTRDS1405BL0	Low	Low
BAYHTRDS1408BL0	Low	Low
BAYHTR**1410BL0	Low	Low
BAYHTRBK1415BL0	Med	Low
BAYHTRBK1420BL0	High	Med

ELECTRICAL DATA											
4FWC(A,F)048 / 4FWC(A,F)049											
Heater Model No	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater					4	15				4	15
BAYHTRDS1405BL0	1	4.8	16400	20	29	30	3.6	12300	17.3	26	30
BAYHTRDS1408BL0	1	8	27300	33.3	46	50	6	20500	28.8	40	40
BAYHTR**1410BL0	1	9.6	32800	40	54	60	7.2	24600	34.6	47	50
BAYHTRBK1415BL0	2	14.4	49100	40/20	54/25	60/25	10.8	36800	34.6/17.3	47/22	50/25
BAYHTRBK1420BL0	2	19.2	65500	40/40	54/50	60/50	14.4	49100	34.6/34.6	47/43	50/45
Note: Heaters with two circuits are displayed as Circuit 1/Circuit 2 (Minimum Circuit Ampacity for Circuit 1 includes Blower Motor Amp)											
** = DS, BK, or Blank (DS = Pull Disconnect, BK = Circuit Breaker Disconnect, Blank = terminal block)											

Performance and Electrical Data – 4FWC(A/F)060-061

AIR FLOW PERFORMANCE						
4FWC(A,F)060/061						
EXTERNAL STATIC (in w.g)	AIRFLOW					
	Speed Taps - 230 VOLTS			Speed Taps - 208 VOLTS		
	High	Med	Low	High	Med	Low
0.1	2180	1810	1400	1960	1630	1260
0.2	2090	1770	1410	1880	1590	1270
0.3	2000	1730	1400	1800	1560	1260
0.4	1920	1700	1400	1730	1530	1260
0.5	1850	1660	1390	1670	1490	1250

NOTES:

1. Values are with dry coil, filter in place, and no heaters
2. CFM Correction for wet coil = 4%

4FWC(A,F)060/061 MINIMUM HEATER AIRFLOW CFM		
Heater	Mimimum Heat Speed Tap	
	With Heat Pump	Without Heat Pump
BAYHTRDS1405BL0	Low	Low
BAYHTRDS1408BL0	Low	Low
BAYHTR**1410BL0	Low	Low
BAYHTRBK1415BL0	Low	Low
BAYHTRBK1420BL0	Med	Med

ELECTRICAL DATA											
4FWC(A,F)060 / 4FWC(A,F)061											
Heater Model No	No. of Circuits	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	15				5	15
BAYHTRDS1405BL0	1	4.8	16400	20	30	30	3.6	12300	17.3	27	30
BAYHTRDS1408BL0	1	8	27300	33.3	47	50	6	20500	28.8	41	45
BAYHTR**1410BL0	1	9.6	32800	40	55	60	7.2	24600	34.6	49	50
BAYHTRBK1415BL0	2	14.4	49100	40/20	55/25	60/25	10.8	36800	34.6/17.3	49/22	50/25
BAYHTRBK1420BL0	2	19.2	65500	40/40	55/50	60/50	14.4	49100	34.6/34.6	49/43	50/45
Note: Heaters with two circuits are displayed as Circuit 1/Circuit 2 (Minimum Circuit Ampacity for Circuit 1 includes Blower Motor Amp)											
** = DS, BK, or Blank (DS = Pull Disconnect, BK = Circuit Breaker Disconnect, Blank = terminal block)											

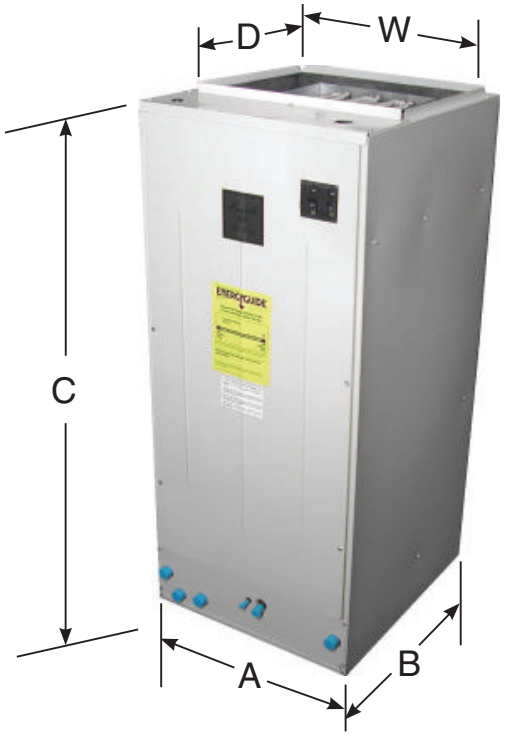
Section 6. Dimensional Data

4FWCA, 4FWCF
Air Handlers

⚠ CAUTION

Coil is pressurized. Release pressure at service port before opening tube.

- 3/8” Liquid Line
  3/8" coupler is supplied.
- 3/4” Suction Line (1.5-3 Tons)
- 7/8” Suction Line (3.5-5 Tons)
- 3/4" NPT Primary and Secondary
  Drain connections are standard.



PRODUCT DIMENSIONS						SHIP WEIGHT LBS.
Air Handler Model	Cabinet			Plenum		
	Width	Depth	Height	Width	Depth	
	A	B	C	W	D	
4FWCA/4FWCF024-036	19.75	21.5	45.0	18.25	15.0	73
4FWCA/4FWCF048-061	23.00	22.5	51.0	21.75	15.5	94
All dimensions are in inches.						

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