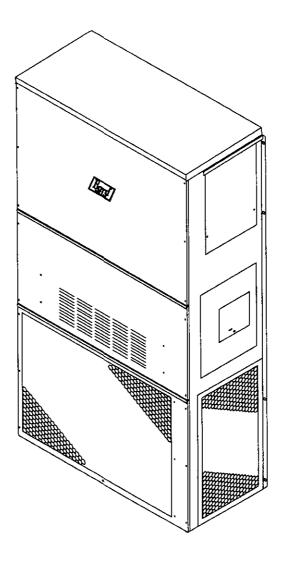
Installation **Instructions**

Wall Mounted Packaged Air Conditioner

Models: WA701, WA721





Bard Manufacturing Company Bryan, Ohio 43506

Since 1914...Moving ahead, just as planned.

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Getting Other Information and Publications

These publications can help you install the air conditioner or heat pump. You can usually find these at your local library or purchase them directly from the publisher. Be sure to consult current edition of each standard.

Standard for the Installation ANSL/NFPA 90A of Air Conditioning and

Ventilating Systems

Standard for Warm Air ANSI/NFPA 90B

Heating and Air Conditioning Systems

Residential Winter and Summer Air Conditioning

Low Pressure, Low Velocity Duct ACCA Manual D or

Manual Q

System Design for Winter and Summer Air Conditioning

For more information, contact these publishers:

ACCA — Air Conditioning Contractors of America

1513 16th Street N.W. Washington, DC 20036 Telephone: (202) 483-9370

Fax: (202) 234-4721

ANSI — American National Standards Institute

11 West Street, 13th Floor New York, NY 10036 Telephone: (212) 642-4900

Fax: (212) 302-1286

ASHRAE — American Society of Heating Refrigerating, and Air Conditioning Engineers, Incorporated

1791 Tullie Circle, N.E. Atlanta, GA 30329-2305 Telephone: (404) 636-8400

Fax: (404) 321-5478

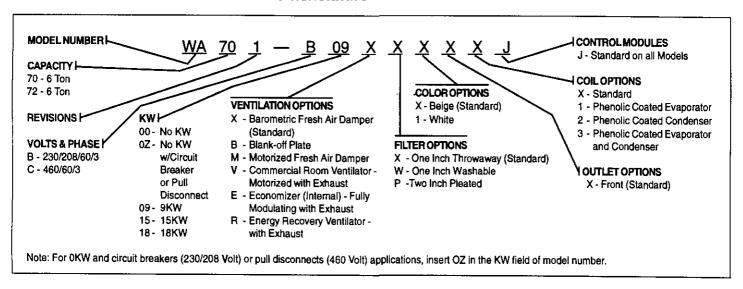
NFPA - National Fire Protection Association

Batterymarch Park P.O. Box 9101 Quincy, MA 02269-9901

Telephone: (800) 344-3555 Fax: (617) 984-7057

Wall Mount General Information

Air Conditioner Wall Mount Model Nomenclature



MODELS	RATED VOLTS AND PHASE	NO. FIELD POWER CKTS.	MINIMUM CIRCUIT AMPACITY ③	MAXIMUM EXTERNAL FUSE OR CIRCUIT BREAKER ①	FIELD POWER WIRE SIZE ②	GROUND WIRE SIZE ②
WA701-B00, B0Z		1	36	50	8	10
B09	230/208-3	1	36	50	8	10
B 15		1	52	60	6	10
B18		1	60	60	6	10
WA701-C00, C0Z		1	17	25	12	12
C09	460-3	1	17	25	12	12
C15		1	26	30	10	10
WA721-B00, BOZ	~~~~	1	36	50	8	10
B 09	230/208-3	1	36	50	8	10
B15	230/208-3	1	52	60	6	10
B18		1	6 0	60	6	10

① Maximum size of the time delay fuse or HACR type circuit breaker for protection of field wiring conductors.

② Based on 75°C copper wire. All wiring must conform to the National Electrical Code (NEC) and all local codes.

③ These "Minimum Circuit Ampacity" values are to be used for sizing the field power conductors. Refer to the National Electric Code (latest revision), article 310 for power conductor sizing. Caution: When more than one field power conductor circuit is run through one conduit, the conductors must be derated. Pay special attention to note 8 of Table 310 regarding Ampacity Adjustment Factors when more than 3 conductors are in a raceway.

Table 2	- Dime	nsions	of Basic	: Unit f	or Archi	tectura	l and In	stallatio	n Reg	uirement	s (No	minal)							
UNIT	WIDTH (W)	DEPTH (D)	HEIGHT (H)	SUI A	PPLY	RETU	JRN B	E	F	G	I	J	ĸ	L	М	N	0	Р	Q
WA701 WA721	42	22-1/4	94-7/8	9-7/8	29-7/8	15-7/8	29-7/8	43-7/8	19	41-5/8	30	42-11/16	37	44-3/4	42-1/2	3-1/4	43	33-7/8	10

All dimensions are in inches

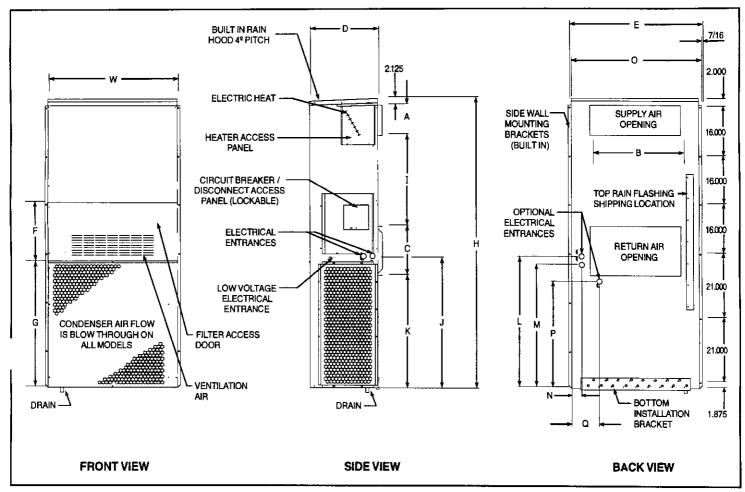


Figure 1 — Unit Dimensions

Fable 3 — Electric Heat Table									
MODELS		WA70 WA72			WA7	01-C			
	240	240V-3		V-3	460V-3				
KW	AMPS	BTUH	AMPS	BTUH	AMPS	BTUH			
9.0	21.7	30,600	18.7	23,030	10.8	30,700			
15.0	36.2	51,200	31.2	38,400	17.3	47,000			
18.0	43.3	61,430	37.5	46,100	_				

Shipping Damage

Upon receipt of equipment, the carton should be checked for external signs of shipping damage. If damage is found, the receiving party must contact the last carrier immediately, preferably in writing, requesting inspection by the carrier's agent.

General

The equipment covered in this manual is to be installed by trained, experienced service and installation technicians.

The refrigerant system is completely assembled and charged. All internal wiring is complete.

The unit is designed for use with or without duct work. Flanges are provided for attaching the supply and return ducts.

These instructions explain the recommended method to install the air cooled self-contained unit and the electrical wiring connections to the unit.

These instructions and any instructions packaged with any separate equipment required to make up the entire air conditioning system should be carefully read before beginning the installation. Note particularly "Starting Procedure" and any tags and/or labels attached to the equipment.

While these instructions are intended as a general recommended guide, they do not supersede any national and/or local codes in any way. Authorities having jurisdiction should be consulted before the installation is made. See Page 1 for information on codes and standards.

Size of unit for a proposed installation should be based on heat loss calculation made according to methods of Air Conditioning Contractors of America (ACCA). The air duct should be installed in accordance with the Standards of the National Fire Protection Association for the Installation of Air Conditioning and Ventilating Systems of Other Than Residence Type, NFPA No. 90A, and Residence Type Warm Air Heating and Air Conditioning Systems, NFPA No. 90B. Where local regulations are at a variance with instructions, installer should adhere to local codes.

Duct Work

Any heat pump is more critical of proper operating charge and an adequate duct system than a straight air conditioning unit. All duct work, supply and return, must be properly sized for the design air flow requirement of the equipment. Air Conditioning Contractors of America (ACCA) is an excellent guide to proper sizing. All duct work or portions thereof not in the conditioned space should be properly insulated in order to both conserve energy and prevent condensation or moisture damage.

Refer to Table 10 for maximum static pressure available for duct design.

Design the duct work according to methods given by the Air Conditioning Contractors of America (ACCA). When duct runs through unheated spaces, it should be insulated with a minimum of 1-inch of insulation. Use insulation with a vapor barrier on the outside of the insulation. Flexible joints should be used to connect the duct work to the equipment in order to keep the noise transmission to a minimum.

A 1/4-inch clearance to combustible material for the first three feet of duct attached to the outlet air frame is required. See Wall Mounting Instructions and Figures 3 and 4 for further details.

Ducts through the walls must be insulated and all joints taped or sealed to prevent air or moisture entering the wall cavity.



CAUTION

Some installations may not require any return air duct. A metallic return air grille is required with installations not requiring a return air duct. The spacing between louvers on the grille shall not be larger than 5/8 inches.

Any grille that meets the 5/8 inch louver criteria, may be used. It is recommended that Bard Return Air Grille Kit RG-2 thru RG-5 or RFG-2 thru RFG-5 be installed when no return duct is used. Contact distributor or factory for ordering information. If using a return air filter grille, filters must be of sufficient size to allow a maximum velocity of 400 fpm.

NOTE: If no return air duct is used, applicable installation codes may limit this cabinet to installation only in a single story structure.

Filters

A 1-inch throwaway filter is supplied with each unit. The filter slides into position making it easy to service. This filter can be serviced from the outside by removing the service door. A 1-inch washable filter and 2-inch pleated filter are also available as optional accessories. The internal filter brackets are adjustable to accommodate the 2-inch filter by bending down the tabs to allow spacing for the 2-inch filters.

Fresh Air Intake

All units are built with fresh air inlet slots punched in the service panel.

If the unit is equipped with the fresh air damper assembly, the assembly is shipped already attached to the unit. The damper blade is locked in the closed position to allow the damper to operate, the maximum and minium blade position stops must be installed. See Figure 2.

All capacity, efficiency and cost of operation information as required for Department of Energy "Energyguide" Fact Sheets is based upon the fresh air blank-off plate in place and is recommended for maximum energy efficiency.

The blank-off plate is available upon request from the factory and is installed in place of the fresh air damper shipped with each unit.

Condensate Drain

A plastic drain hose extends from the drain pan at the top of the unit down to the unit base. There are openings in the unit base for the drain hose to pass through. In the event the drain hose is connected to a drain system of some type, it must be an open or vented type system to assure proper drainage.

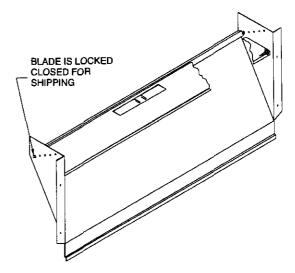


Figure 2 - Blower Damper Assembly

Installation Instructions

Wall Mounting Information

- 1. Two holes, for the supply and return air openings, must be cut through the wall as shown in Figure 3.
- 2. On wood-frame walls, the wall construction must be strong and rigid enough to carry the weight of the unit without transmitting any unit vibration. See Figures 4 and 5.



WARNING

Fire hazard can result if 1/4-inch clearance to combustible materials for supply air duct is not maintained. See Figure 3.

Concrete block walls must be thoroughly inspected to insure that they are capable of carrying the weight of the installing unit. See Figure 4.

Mounting the Unit

- These units are secured by wall mounting brackets which secure
 the unit to the outside wall surface at both sides. A bottom
 mounting bracket is provided for ease of installation.
- 2. The unit itself is suitable for "0" inch clearance, but the supply air duct flange and the first 3 feet of supply air duct require a minimum of 1/4-inch clearance to combustible material. If a combustible wall, use a minimum of 30-1/2" x 10-1/2" dimensions for sizing. However, it is generally recommended that a 1-inch clearance is used for ease of installation and maintaining the required clearance to combustible material. The supply air opening would then be 32" x 12". See Figures 3, 4 and 7 for details.



WARNING

Failure to provide the 1/4-inch clearance between the supply duct and a combustible surface for the first 3 feet of duct can result in fire.

- 3. Locate and mark lag bolt locations and bottom mounting bracket location. See Figure 3.
- 4. Mount bottom mounting bracket.
- Hook top rain flashing under back bend of top. Top rain flashing is shipped secured to the right side of the back.
- 6. Position unit in opening and secure with 5/16 lag bolts; use 7/8-inch diameter flat washers on the lag bolts.
- Secure rain flashing to wall and caulk across entire length of top. See Figure 3.

- 8. For additional mounting rigidity, the return air and supply air frames or collars can be drilled and screwed or welded to the structural wall itself (depending upon wall construction). Be sure to observe required clearance if combustible wall.
- 9. On side by side installations, maintain a minimum of 20-inches clearance on right side to allow access to heat strips and control panel and to allow proper airflow to the outdoor coil. Additional clearance may be required to meet local or national codes.

Typical Installations

See Figure 6 for common ways to install the wall-mount unit.

Wiring — Main Power

Refer to the unit rating plate for wire sizing information and maximum fuse or "HACR Type" circuit breaker size. Each outdoor unit is marked with a "Minimum Circuit Ampacity". This means that the field wiring used must be sized to carry that amount of current. Depending on the installed KW of electric heat, there may be two field power circuits required. If this is the case, the unit serial plate will so indicate. All models are suitable only for connection with copper wire. Each unit and/or wiring diagram will be marked "Use Copper Conductors Only". These instructions MUST BE adhered to. Refer to the National Electrical Code (NEC) for complete current carrying capacity data on the various insulation grades of wiring material. All wiring must conform to NEC and all local codes.

The electrical data lists fuse and wire sizes (75°C copper) for all models, including the most commonly used heater sizes. Also shown are the number of field power circuits required for the various models with heaters.

The unit rating plate lists a "Maximum Time Delay Relay Fuse" or "HACR Type" circuit breaker that is to be used with the equipment. The correct size must be used for proper circuit protection and also to assure that there will be no nuisance tripping due to the momentary high starting current of the compressor motor.

The disconnect access door on this unit may be locked to prevent unauthorized access to the disconnect. To convert for the locking capability, bend the tab located in the bottom left hand corner of the disconnect opening under the disconnect access panel straight out. This tab will now line up with the slot in the door. When shut, a padlock may be placed through the hole in the tab preventing entry.

See Startup section for information on three phase scroll compressor startups.

Wiring — Low Voltage Wiring

230/208V, 1 phase and 3 phase equipment dual primary voltage transformers. All equipment leaves the factory wired on 240V tap. For 208V operation, reconnect from 240V to 208V tap. The acceptable operating voltage range for the 240 and 208V taps are:

Table 4 — Operating Voltage Range						
	TAP	RANGE				
	240V	253 - 216				
	208V	220 - 187				

NOTE: The voltage should be measured at the field power connection point in the unit and while the unit is operating at full load (maximum amperage operating condition).

Five (5) wires should be run from thermostat subbase to the 24V terminal board in the unit. A five conductor, 18 gauge copper, color-coded thermostat cable is recommended. The connection points are shown in Figure 8.

Table 5 — Thermostat Wire Size							
TRANSFORMER VA	FLA	WIRE GAUGE	MAXIMUM DISTANCE IN FEET				
55	2.3	20 gauge	45				
		18 gauge	60				
		16 gauge	100				
		14 gauge	160				
		12 gauge	250				

THERMOSTAT	SUBBASE	PREDOMINATE FEATURES				
8403-002	8404-003	1 stage heat, 1 stage cool				
T87F3111	Q539A1220	System: heat-off-cool Fan: auto	-on			
8403-009	_	1 stage heat, 1 stage cool				
IF56-318						
8403-019	8404-012	1 stage cool, 2 stage heat				
8403-035	_	Programmable				
1F95-80						

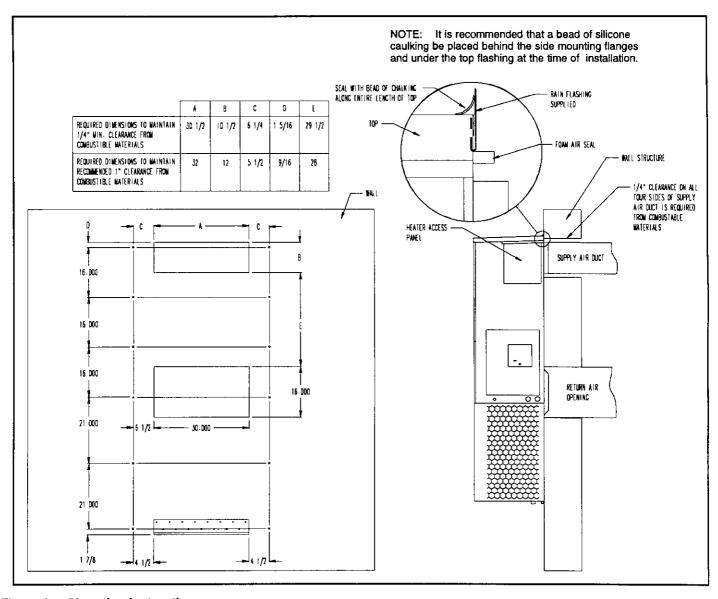


Figure 3 — Mounting Instructions

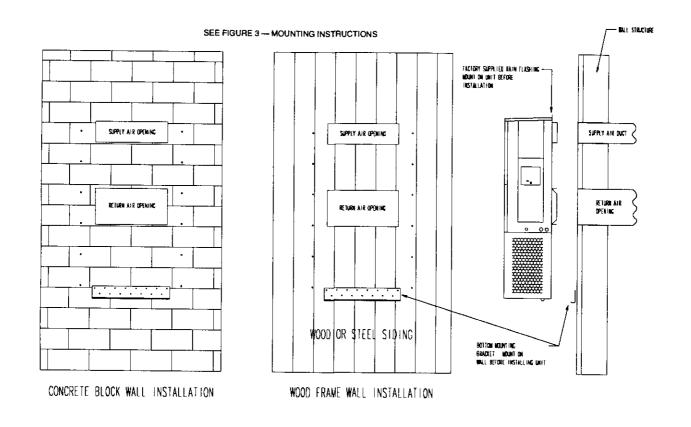


Figure 4 — Wall-Mounting Instructions

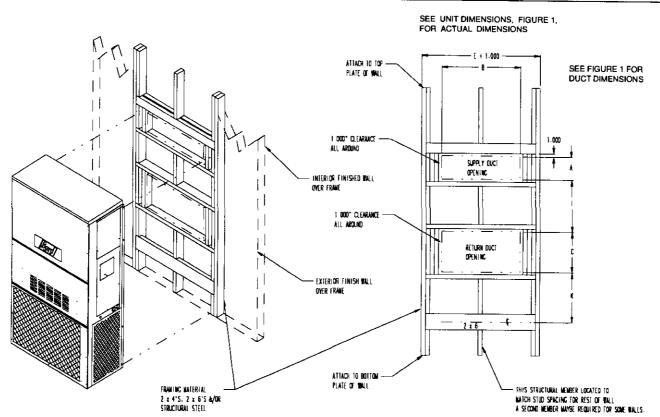


Figure 5 — Wall-Mounting Instructions

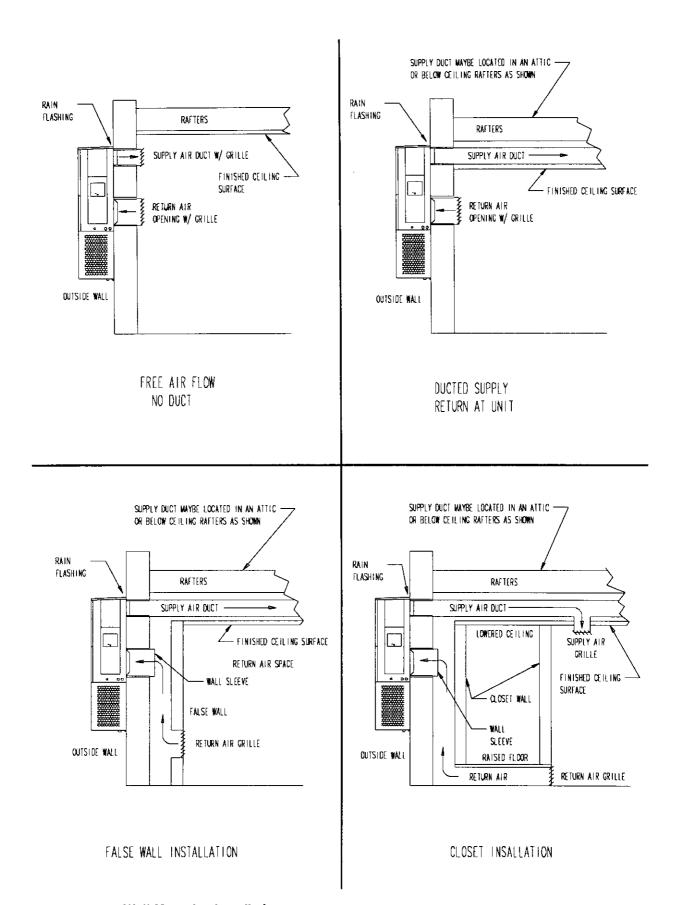
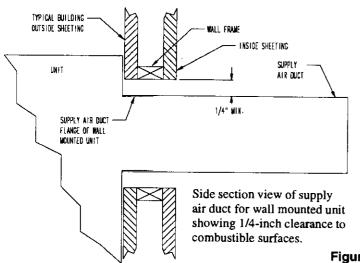


Figure 6 — Common Wall-Mounting Installations





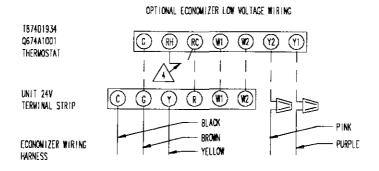
WARNING

- A minimum of 1/4-inch clearance must be maintained between the supply air duct and combustible materials.
 This is required for the first 3-feet of ducting.
- It is important to insure that the 1/4-inch minimum spacing is maintained at all points.
- Failure to do this could result in overheating the combustible material and may result in fire.

Figure 7 — Electric Heat Clearance

LOW VOLTAGE WIRING

1F95-80 ELECTRONIC (W)(2)THERMOSTAT PROGRAMMABLE 1 STACE COOL **T87F OR 1F56** 1 STACE HEAT THERMOSTAT THERMOSTAT T874C1760 1 STACE COOL (Y2) 0674A1001 2 STACE HEAT THERMOSTAT THERMOSTAT UNIT 24Y (W2) (E1) (2)(1)TERMINAL BLOCK BLACK ORANGE REMOVE JUMPER FOR 2 STAGE ELECTRIC HEAT ON UNITS WITH 15 OR MORE KW OPTIONAL ALARM RELAY PROVIDED ON UNITS WITH CONTROL MODULE "M" OR "J" INSTALLED: CONTACT RATING 24VAC @ 125VA



OPTIONAL MOTORIZED FRESH AIR DANPER SUGGESTED HOOK UP

FIELD INSTALLED PER INSTALLATION

Figure 8 — Low Voltage Wiring

Start Up

Important Installer Note

For improved start-up performance, wash the indoor coil with a dishwasher detergent.

Crankcase Heaters

WA701 and WA721 units are provided with compressor crankcase heat

The WA701 and WA721 models have a band type heater located around the bottom of the compressor. This heater is controlled by the crankcase heater relay. The heater is only energized when the compressor is not running.

Some form of crankcase heat is essential to prevent liquid refrigerant from migrating to the compressor, causing oil pump out on compressor start-up and possible valve failure due to compressing a liquid.

The decal in Figure 9 is affixed to all WA701 and WA721 units detailing start-up procedure. This is very important. Please read carefully.

Figure 9 — Start Up Label

IMPORTANT

These procedures must be followed at initial start-up and at any time power has been removed for 12 hours or longer.

To prevent compressor damage which may result from the presence of liquid refrigerant in the compressor crankcase.

- Make certain the room thermostat is in the "off" position (the compressor is not to operate).
- Apply power by closing the system disconnect switch. This energizes the compressor heater which evaporates the liquid refrigerant in the crankcase.
- 3. Allow 4 hours or 60 minutes per pound of refrigerant in the system as noted on the unit rating plate, whichever is greater.
- After properly elapsed time, the thermostat may be set to operate the compressor.
- 5. Except as required for safety while servicing—<u>Do not open system</u> disconnect switch.

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High/Low Pressure Switch

The WA701 and WA721 models are supplied with a remote reset high pressure switch and low pressure switch. If tripped, this pressure switch may be reset by turning the thermostat off then back on again.

Three Phase Scroll Compressor Start Up Information

Scroll compressors, like several other types of compressors, will only compress in on rotational direction. Direction of rotation is

not an issue with single phase compressors since they will always start and run in the proper direction.

However, three phase compressors will rotate in either direction depending upon phasing of the power. Since there is a 50-50 chance of connecting power in such a way as to cause rotation in the reverse direction, verification of proper rotation must be made. Verification of proper rotation direction is made by observing that suction pressure drops and discharge pressure rises when the compressor is energized. Reverse rotation also results in an elevated sound level over that with correct rotation, as well as, substantially reduced current draw compared to tabulated values.

There is no negative impact on durability caused by operating three phase Compliant Scroll compressors in the reversed direction. However, after several minutes of operation, the compressor's internal protector will trip.

All three phase ZR3 compressors are wired identical internally. As a result, once the correct phasing is determined for a specific system or installation, connecting properly phased power leads to the same Fusite terminal should maintain proper rotation direction.

The direction of rotation of the motor may be changed by reversing any two line connections to the unit.

Service Hints

- Caution homeowner to maintain clean air filters at all times.
 Also, not to needlessly close off supply and return air registers.
 This reduces air flow through the system, which shortens equipment service life as well as increasing operating costs.
- Switching to heating cycle at 75°F or higher outside temperature may cause a nuisance trip of the remote reset high pressure switch. Turn thermostat off, then on to reset the high pressure switch.
- Check all power fuses or circuit breakers to be sure they are the correct rating.
- Periodic cleaning of the outdoor coil to permit full and unrestricted airflow circulation is essential.

Sequence of Operation

Cooling—Circuit R-Y makes at thermostat pulling in compressor contactor, starting the compressor and outdoor motor. The G (indoor motor) circuit is automatically completed on any call for cooling operation or can be energized by manual fan switch on subbase for constant air circulation. On a call for heating, circuit R-W1 make at the thermostat pulling in heat contact for the strip heat and blower operation. On a call for second stage heat, R-W2 makes bringing on second heat contactor, if so equipped.

Pressure Service Ports

High and low pressure service ports are installed on all units so that the system operating pressures can be observed. Pressure curves can be found later in the manual covering all models. It is imperative to match the correct pressure curve to the unit by model number.

Troubleshooting

Fan Blade Setting Dimensions

Shown in the drawing below are the correct fan blade setting dimensions for proper air delivery across the outdoor coil.

Any service work requiring removal or adjustment in the fan and/ or motor area will require that the dimensions below be checked and blade adjusted in or out on the motor shaft accordingly.

Figure 10 - Fan Blade Setting

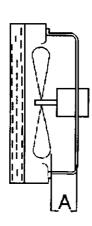


Table 7 — Fan Blade Dimensions						
MODEL.	DIMENSION A					
WA721	.75					
WA701	1.25					

Removal of Fan Shroud

- 1. Disconnect all power to unit.
- Remove the screws holding both grills one on each side of unit — and remove grills.
- Remove screws holding fan shroud to condenser and bottom —
 (9) screws.
- 4. Unwire condenser fan motor.
- Slide complete motor, fan blade, and shroud assembly out the left side of the unit.
- 6. Service motor/fan as needed.
- 7. Reverse steps to reinstall.

Refrigerant Charge

The correct system R-22 charge is shown on the unit rating plate. Optimum unit performance will occur with a refrigerant charge resulting in a suction line temperature (6-inches from compressor) as shown in the following table:

Table 8 — Suction Line Temperatures						
MODEL	RATED AIRFLOW	95°F OD TEMPERATURE	82°F OD TEMPERATURE			
WA701	1,800	58 - 60	56 - 58			
WA721	1,650	59 - 61	57 - 59			

The above suction line temperatures are based upon 80°F dry bulb/67°F wet bulb (50 percent R.H.) temperature and rated airflow across the evaporator during cooling cycle.

The suction line temperatures are based upon 80°F dry bulb 67°F wet bulb (50 percent relative humidity) temperature and rated airflow across the evaporator during cooling cycle.

	WA701 WA721					
E.S.P. In H2O	HIGH SPEED DRY / WET COIL	LOW SPEED DRY / WET COIL				
.0	2,200 / 2,000	1,600 / 1,450				
.1	2,100 / 1,900	1,525 / 1,375				
.2	2,000 / 1,800					
.3	1,875 / 1,700					
.4	1,775 / 1,600					
.5	1,650 / 1,475					

able 10 — C	FM and ESP	· . 	
RATED MODEL	RATED CFM①	RECOMMENDED ESP①	AIRFLOW RANGE
WA701	1,650	.20	1,750 - 1,375
WA721	1,800	.10	2,000 - 1,475

① Rated CFM and ESP on high speed tap.

MODEL	WA	701	WA721			
speed Kw	LOW	HIGH SPEED	LOW	HIGH SPEED		
-B00	.50	.50	.50	.50		
-B09	.50	.50	.50	.50		
-B15	.50	.50	.50	.50		
-B18	.50	.50	.50	.50		
-C09	.50	.50	.50	.50		
-C15	.50	.50	.50	.50		

Values shown are for units equipped with STD 1-inch throwaway filter or 1-inch washable filter. Derate ESP by .15 for 2-inch pleated filters.

MODEL	RETURN AIR TEMPERATURE	PRESSURE	75º	80º	82º	859	90°	959	100°	105º	1100	1159	120°	405
	75° DB	Low Side	62	63	63	64	65	66	67	68	69	70		1252
	62° WB	High Side	214	230	236	247	265	280	299	316	333	351	_	_
WA701	80° DB	Low Side	67	68	68	69	70	71	72	73	74	75		
***	67º WB	High Side	220	236	243	254	271	287	306	324	342	360	_	_
	85° DB	Low Side	72	73	73	74	75	76	77	78	79	80		
	72º WB	High Side	225	243	250	261	279	297	316	335	353	372	_	_
-	75° DB	Low Side	63	64	64	65	66	67	68	69	70	71	72	
	62º WB	High Side	205	222	228	237	254	268	286	302	318	336	348	360
WA721	80° DB	Low Side	68	69	69	70	71	72	73	74	75	76	77	78
*** */ <u>*</u>	_67° WB	High Side	211	227	233	244	261	275	294	310	327	345	357	369
	85° DB	Low Side	73	74	74	75	76	77	78	79	80	81	82	83
	72° WB	High Side	216	234	240	251	268	285	303	321	339	357	-	
	. 0 1									1		اند	370	383

Low side pressure ± 2 psig High side pressure ± 5 psig

Tables are based upon rated CFM (airflow) across the evaporator coil. If there is any doubt as to correct operating charge being in the system, the charge should be removed, system evacuated and recharged to serial plate instructions.

MODEL	② D.B./W.B.	COOLING CAPACITY	75°	80°	85º	90°	957	100°	1052	1100	1159	120°	4050
	75/	Total Cooling	69,700	66,800	63,900	61,100	58,300	55,550	52,800	50,150	47,500	120	1259
	62	Sensible Cooling	49,500	48,000	46,600	45,300	44.000	42.800	41,600	40.550	39,500	_	
WA701	80/	Total Cooling	74,550	72,850	71,050	69,100	67,000	64,800	62,400	59,900	57,250		
	67	Sensible Cooling	48,050	47,100	46,200	45,300	44,450	43.600	42,750	41,950	41,150	_	
	85/	Total Cooling	88,700	85,100	81,550	77,950	74,400	70,800	67.250	63,650	60,100		
	72	Sensible Cooling	49,150	47,750	46,350	44,950	43,550	42 134	40,700	39,300	37,850	_	
WA721	75/	Total Cooling	73,850	70,100	66,650	63,400	60,450	57,700	55,200	53,000	51,000	49,250	47.750
	62_	Sensible Cooling	52,250	51,200	50,150	49,000	47,800	46,550	45,250	43,850	42,450	41,000	47,750
	80/	Total Cooling	78,200	76,150	74,050	71,950	69,500	67,650	65,500	63,300	61,450	58,850	39,450 56,400
	67	Sensible Cooling	51,100	50,400	49,650	48,900	48,250	47,250	46,350	45,400	44,200	43,400	42,400
	85/	Total Cooling	93,600	89,200	85,000	81,050	77,300	73,750	70,450	67,350	64,500	61,850	59,400
	. 72	Sensible Cooling	51,950	50,950	49,850	48,650	47,300	45,800	44,200	42,500	40,650	38,650	36,500
DBelow 65 2 Return ai	seF, unit requires a	factory or field installed l	ow ambient o	ontrol.		CI	APACITY MI	ULTIPLIER				00,000	30,300
o i icitiii ai	• tomp, -r,					d Air Flow	-10)	Rated		+10		
					j Ti	otai BTUH	0.97	5	1.0		1.02		
					Sens.	ible BTUH	0.95	'n	1.0		1.05		

— Optional Accessories				
MODEL	DESCRIPTION	WA701-B	WA701-C	WA721-B
EHWA05-B09	Heater Packages	•		
EHWA05-B15	Heater Packages	-		
EHWA05-B18	Heater Packages	•		
EHWA05A-C09	Heater Packages			<u> </u>
EHWA05A-C15	Heater Packages			
BOP-5	Blank Off Plate		-	-
BFAD-5	Barometric Fresh Air Damper		-	
MFAD-5	Motorized Fresh Air Damper		<u> </u>	
CRV-5	Classroom Ventilator with Exhaust		<u> </u>	
EIFM-5	Economizer with Exhaust			
WERV-A5A	Energy Recovery Ventilator			
WERV-C5A	Energy Recovery Ventilator			-
WMPD-01C	Pull Disconnect Kit			

