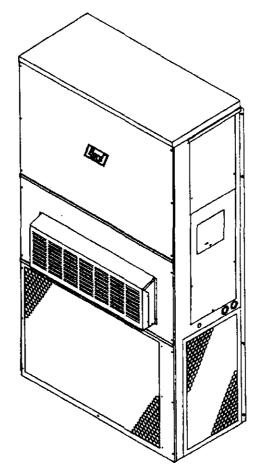
Installation Instructions

Wall Mounted Packaged Air Conditioner

Model: WA371



MIS-656



Bard Manufacturing Company Bryan, Ohio 43506

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

Manual No.: 2100-333

File: Volume Ⅲ, Tab 16

Date: 04-27-98

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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.

National Electrical Code ANSI/NFPA 70

Standard for the Installation ANSI/NFPA 90A of Air Conditioning and Ventilating Systems

Standard for Warm Air ANSI/NFPA 90B Heating and Air Conditioning Systems

Load Calculation for ACCA Manual J Residential Winter and Summer Air Conditioning

Duct Design for Residential ACCA Manual D Winter and Summer Air Conditioning and Equipment Selection

For more information, contact these publishers:

ACCA — Air Conditioning Contractors of America

1712 New Hampshire Avenue NW Washington, DC 20009 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 Ouincy, MA 02269-9901 Telephone: (800) 344-3555 Fax: (617) 984-7057

Manufactured under the following U.S. patent numbers: 5.301,744; 5,002,116; 4,924,934; 4,875,520; 4,825,936; 4,432,409

Other patents pending.

WALL MOUNT GENERAL INFORMATION

Air Conditioner Wall Mount Model Nomenclature

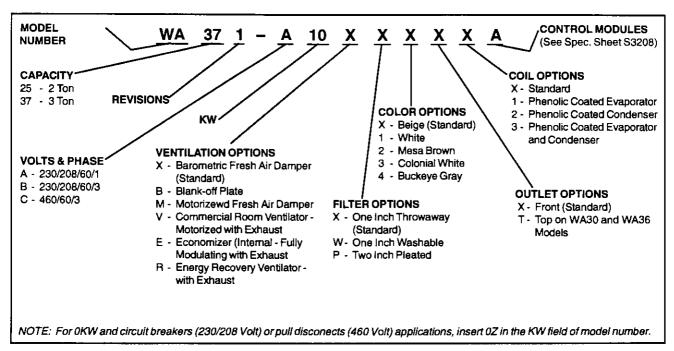


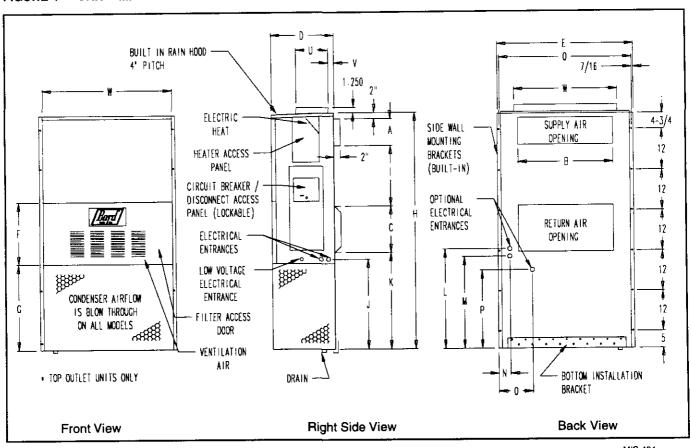
TABLE 1 - ELECTRICAL SPECIFICATIONS

		Rated Volts &		No. Field Power	Minimum Circult	Maximum External Fuse or Ckt.	Fleid Power Wire	Ground Wire	Cir	mum cult acity	Exte	e or	Field I Wire		Gro Wire	ound Size
Model		Phase	Circults	Ampacity	Breaker	Size	Size	CKT A	СКТ В	CKT A	CKT B	CKT A	CKT B	CKT A	CKT B	
WA371-A00,	AOZ		1	28	35	8	10	•••								
	A05		1	32	35	8	10									
	80A	230/208-1	1	47	50	8	10									
	A10		1	58	60	6	10									
	A15		1 or 2	84	90	4	8	58	26	60	30	6	10	10	10	
WA371-B00.	B0Z		1	20	25	10	10									
	B06	230/208-3	1	24	25	10	10									
	B09	230/208-3	1	33	35	В	10				•					
	B15		1	51	50	8	10	+								
WA371-C00,	COZ		1	11	15	14	14									
	C06		1	12	15	14	14									
	C09	460-3	1	17	20	12	12									
	C12		1	21	25	10	10									
	C15		1	26	30	10	10									

TABLE 2 - DIMENSIONS OF BASIC UNIT (Nominal)

	Width		Height	Su	pply	Ret	urn	E	ŧ	G	1	-	K	٦.	М	N	0	Р	٥	υ.	۷*	W.
Unit	(W)	(D)	(H)	A	8	С	В												Н		\vdash	
WA371	37-7/8	16-7/8	70-1/2	7-7/8	27-7/8	13-7/8	27-7/8	39-7/8	18-1/4	25-3/4	18	26-3/4	28-3/4	29-1/4	27	2-9/16	39	22-3/4	9	7-7/8	1	31-7/B

FIGURE 1 — UNIT DIMENSIONS



MIS-484

TABLE 3 - ELECTRIC HEAT TABLE

Models	WA371-A					WA3		WA371-C		
	240	240V-1		BV-1	240	V-3 208V-3			460)V-3
KW	AMPS	втин	AMPS	втин	AMPS	BTUH	AMPS	BTUH	AMPS	BTUH
5.0	20.8	17,065	18.1	12,800						
8.0	33.3	27,300	28.8	20,475						
10.0	41.6	34,130	36.2	25, 60 0						
15.0	62.5	51,200	54.1	38,400						
6.0					14.4	20,500	12.5	15,360	7.2	20,475
9.0					21.7	30,600	18.7	23,030	10.8	30,700
15.0	-	<u> </u>			36.2	51,200	31.2	38,400	18.0	51,200
12.0	†—— <u> </u>								14.4	40,950

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

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 3 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.



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 through RG-5 or RFG-2 through 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.

FILTERS

A 1 inch throw away filter is suppled 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 a 2 inch pleated filter are also available as optional accessories. The internal filter brackets are adjustable to accommodate the 2 inch filter by bending trhe metal tabs holding the 1 inch filter down. There are two tabs on each side of the filter.

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 minimum blade position stops must be installed. See Figure 2.

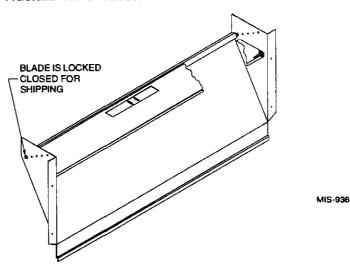
All capacity, efficiency and cost of operation information as required for Department of Energy "Energyguide" Fact Sheets is based upon the fresh air blank-off plate in place and is recommended for maximum energy efficiency.

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 - FRESH AIR 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.



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

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

MOUNTING THE UNIT

- 1. 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, but is not required.
- 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 28-1/2" x 8-1/2" 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

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

- 3. Locate and mark lag bolt locations and bottome mounting bracket location. See Figure 3.
- Mount bottom mounting bracket, if used. supply air opening would then be 30" x 10". See Figures 3 and 4 for details.
- 5. 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.
- 7. 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 clearnace may be required to meet local or national codes.

TOP OUTLET ONLY

- 1. Remove airframe angles from the back of the unit.
- 2. Coat angles with two 1/8" beads of silicone as shown. Silicone is shipped in the control panel. See Figure 5.
- 3. Secure angles to the top of the unit with 14 screws provided. Use of prepunched holes provided. Do not relocate. See Figure 5.
- 4. After installation ductwork, seal around airframe and ductwork to provide a rain tight seal.
- 5. It is strongly recommended, but not required, that this unit be installed under a soffit area large enough to shield the top of the unit. See Figure 6.

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.

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 a tthe field power connection point in the unit and while the unit is operatuing 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 10.

TABLE 5 -THERMOSTAT WIRE SIZE

Transformer VA	FLA	Wire Gauge	Maximum Distance In Feet
55	2.3	20 gauge 18 gauge 16 gauge 14 gauge 12 gauge	45 60 100 160 250

TABLE 6 - WALL THERMOSTAT and SUBBASE COMBINATIONS

Thermostat	Subbase	Predominate Features
8403-002 T87F3111	8404-003 Q539A1220	1 stage heat, 1 stage cool System: heat-off-cool Fan: auto-on
8403-041 T8034C		1 stage heat, 1 stage cool System: heat-off-cool Fan: auto-on
8403-019 T874C1760	8404-012 Q674A1001	1 stage cool, 2 stage heat System: heat-auto-cool Fan: auto-on
8403-021 T874D1934	8404-012 Q674A1001	2 stage cool, 2 stage heat System: heat-auto-cool Fan: auto-on
8403-035 1F95-80		2 stage cool, 2 stage heat Electronic 7 day programming

FIGURE 3 - MOUNTING INSTRUCTIONS

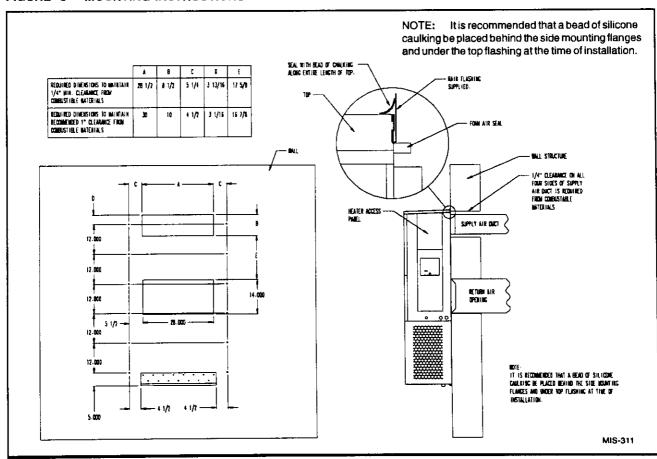


FIGURE 4
WALL-MOUNTING INSTRUCTIONS

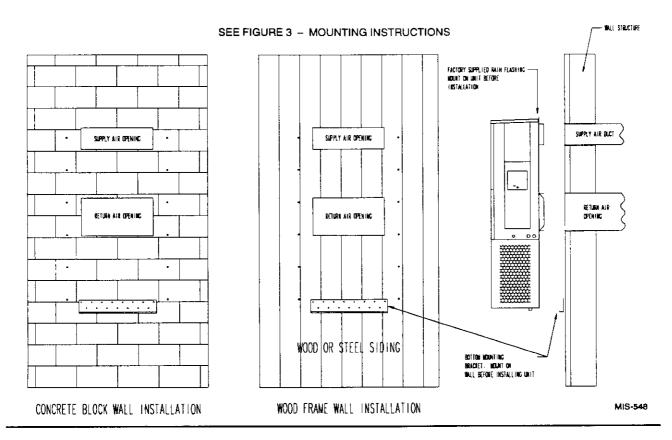


FIGURE 5
WALL-MOUNTING INSTRUCTIONS

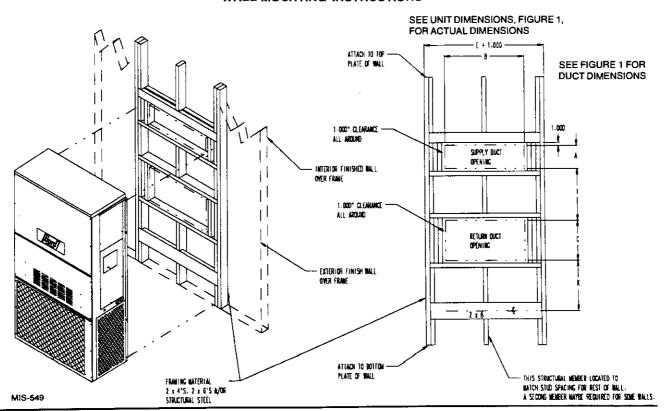
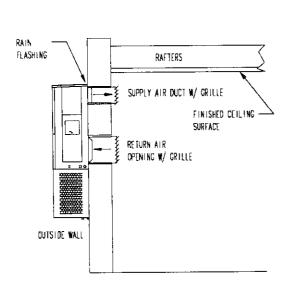
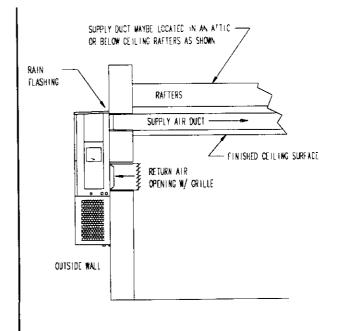


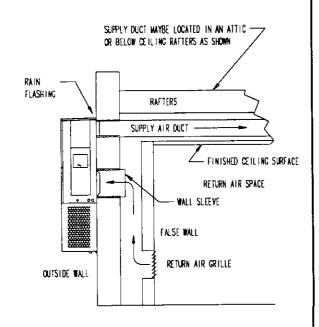
FIGURE 6
COMMON WALL-MOUNTING INSTALLATIONS



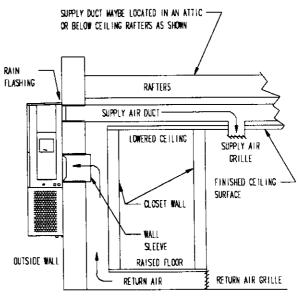
FREE AIR FLOW NO DUCT



DUCTED SUPPLY RETURN AT UNIT



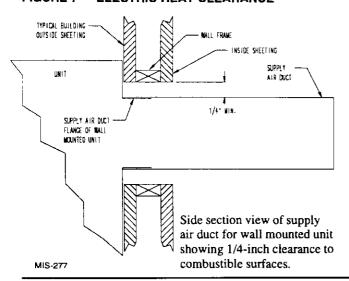
FALSE WALL INSTALLATION



CLOSET INSALLATION

MIS-550

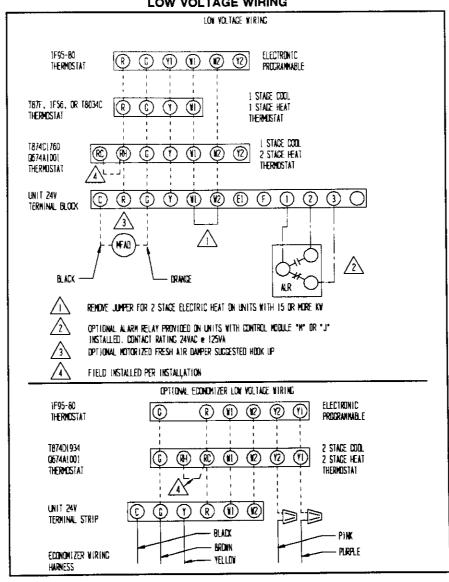
FIGURE 7 -- ELECTRIC HEAT CLEARANCE



⚠ 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 8
LOW VOLTAGE WIRING



IMPORTANT INSTALLER NOTE

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

HIGH PRESSURE SWITCH

The WA371 models are supplied with a remote reset high 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 one 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. All three phase units incorporate a phase monitor to ensure proper field wiring. See the *Phase Monitor* section later in this manual.

Verification of *proper rotation* must be made any time a compressor is change or rewired. If improper rotation is corrected at this time there will be no negative impact on the durability of the compressor. However, reverse operation for over one hour may have a negative impact on the bearing due to oil pump out.

NOTE: If compressor is allowed to run in reverse rotation for several minutes, 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.

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 rotations, as well as, substantially reduced current draw compared to tabulated values.

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

SERVICE HINTS

- 1. 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.
- 2. Check all power fuses or circuit breakers to be sure they are the correct rating.
- 3. 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.

COMPRESSOR CONTROL MODULE

The compressor control is an anti-short cycle/lockout timer with high and low pressure switch monitoring and alarm relay output.

Adjustable Delay On Make And Break Timer

On a call for compressor operation the *delay on make* period begins which will be 10% of the *delay on break* setting. When the delay on make is complete and the high pressure switch (and low pressure switch if employed) is closed, the compressor contactor is energized. Upon shutdown the delay or break timer starts and prevents restart until the delay on break and delay on make periods have expired.

High Pressure Switch and Lockout Sequence

If the high pressure switch opens, the compressor contactor will de-energize immediately. The lockout timer will go into a *soft lockout* and stay in soft lockout until the high pressure switch closes <u>and</u> the delay on make time has expired. If the high pressure switch opens again in this same operating cycle the unit will go into *manual lockout* condition and the alarm relay circuit will energize. Recycling the wall thermostat resets the manual lockout.

Low Pressure Switch, Bypass, and Lockout Sequence

If the low pressure switch opens for more than 120 seconds, the compressor contactor will de-energize and go into a soft lockout. Regardless the state of the low pressure switch, the contactor will reenergize after the delay on make time delay has expired. If the low pressure switch remains open, or opens again for longer than 120 seconds the unit will go into manual lockout condition and the alarm relay circuit will energize. Recycling the wall thermostat resets the manual lockout.

Alarm Relay Output

Alarm terminal is output connection for applications where alarm relay is employed. This terminal is powered whenever compressor is locked out due to HPC or LPC sequences as described.

NOTE: Both high and low pressure switch controls are inherently automatic reset devices. The high pressure switch and low pressure switch cut out and cut in settings are fixed by specific air conditioner or heat pump unit model. The lockout

ADJUSTMENTS

Adjustable Delay on Make and Delay on Break Timer

The potentiometer is used to select Delay on Break time from 30 seconds to 5 minutes. Delay on Make (DOM) timing is equal to 10% of Delay on Break (DOB) setting:

0.5 minute (30 seconds) DOB = 3 second DOM 1.0 minute (60 seconds) DOB = 6 second DOM 2.0 minute (120 seconds) DOB = 12 second DOM 3.0 minute (160 seconds) DOB = 18 second DOM 4.0 minute (240 seconds) DOB = 24 second DOM 5.0 minute (300 seconds) DOB = 30 second DOM

Typical Settings for Dual Unit Installation:

Unit No. 1: DOB set at 2 minutes, and DOM is 12 seconds Unit No. 2: DOB set at 4 minutes, and DOM is 24 seconds

PHASE MONITOR

All units with three phase compressors are equipped with a 3 phase line monitor to prevent compressor damage due to phase reversal.

The phase monitor in this unit is equipped with two LEDs. If the Y signal is present at the phase monitor and phases are correct the green LED will light.

If phases are reversed, the red fault LED will be lit and compressor operation is inhibited.

If a fault condition occurs, reverse two of the supply leads to the unit. Do not reverse any of the unit factory wires as damage may occur.

PRESSURE SERVICE PORTS

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

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 9 — FAN BLADE SETTING

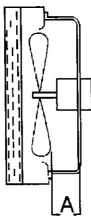


TABLE 7 - FAN BLADE DIMENSION

Model	Dimension A
WA371	1.25

REMOVAL OF FAN SHROUD

- 1. Disconnect all power to unit.
- 2. 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.
- 5. 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 Table 8.

TABLE 8 - SUCTION LINE TEMPERATURES

Models	Rated	95 F	82 F
	Airflow	OD Temp.	OD Temp.
WA371	1,100	57 - 59	62 - 64

The suction line temperatures in Table 8 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.

TABLE 9 - INDOOR BLOWER PERFORMANCE - CFM AT 230 VOLTS

	WA371						
E.S.P.	High	Speed	Low Speed				
In H ₂ O	Dry Coil	Wet Coil	Dry Coil	Wet Coil			
.0	1,395	1,315	950	935			
.1	1,340	1,270	930	915			
.2	1,285	1,190	910	885			
.3	1,205	1,100	855	830			
.4	1,110	1,000	800	755			
.5	1,005	870					

TABLE 10 - CFM and ESP

	Model	① Rated CFM	① Rated ESP	Recommended Airflow Range			
ľ	WA371	1,100	.30	930 - 1,350			

① Rated CFM and ESP on high speed tap

TABLE 11 - MAXIMUM ESP OF OPERATION ELECTRIC HEAT ONLY

Model	Front	Outlet	Top Outlet			
Speed	Low	High	Low	High Speed		
KW	Speed	Speed	Speed			
A00	.50	.50	.50	.50		
A05	.50	.50	.45	.50		
80A	.50	.50				
A10	.45	.50	.35	.50		
A15	.35	.40	***			
B00	.50	.50	.50	.50		
B06	.40	.50				
B09	.50	.50	.40	.45		
B15	.30	.45				
C00	.50	.50	.50	.50		
C06	.50	.50				
Ç09	.40	.50	.40	.45		
C15	.35	.45				

TABLE 12 - COOLING PRESSURE - OUTDOOR TEMPERATURE °F

Model	Return Air Temperature	Pressure	75	80	85	90	95	100	105	110	115
WL371	75 deg DB 62 deg WB	Low Side High Side	69 200	70 214	72 229	74 245	75 261	77 279	78 296	79 316	79 335
	80 deg DB 67 deg WB	Low Side High Side	74 205	75 219	77 235	79 251	80 268	82 286	83 304	84 324	85 344
	85 deg DB 72 deg WB	Low Side High Side	77 212	78 227	80 243	82 260	83 277	85 296	86 315	87 335	88 358

Low side pressure ± 2 psig

High side pressure ± 5 psig

Tables are based upon rated CFM (airflow) across the evaporator coil and should be found under section titled "refrigerant charge" elsewhere in manual. If there is any doubt as to correct charge being in the system, the charge should be removed, system evacuated and recharged to serrial plate instructions.

E 13 - OPTIONAL ACCESSORIES		6	<u>ဂ</u>
DESCRIPTION	WA37	WA37	WA371-C
Blank Off Plate	Х	Х	х
Barometric Fresh Air Damper	Х	Х	Х
Motorized Fresh Air Damper	Х	Х	Х
Commercial Ventilator with Exhaust	Х	Х	Х
Economizer with Exhaust	Х	Х	
Energy Recovery Ventilator	Х	Х	
Energy Recovery Ventilator			Х
Low Ambient Control	Х	Х	
Low Pressure Control	Х	Х	Х
LAC + LPC	Х	Х	
Start Kit			
Heater Package ^①	Х		
Heater Package ①	Х		
Heater Package ①	Х		
Heater Package ①	Х		
Heater Package ①		Х	
Heater Package ①		Х	
Heater Package ①		Х	
Heater Package ①			Х
Heater Package ①			Х
Heater Package ①			Х
Heater Package ①			Х
Circuit Breaker Kit	X		
Circuit Breaker Kit		Х	
Pull Disconnect Kit			Х
	Blank Off Plate Barometric Fresh Air Damper Motorized Fresh Air Damper Commercial Ventilator with Exhaust Economizer with Exhaust Energy Recovery Ventilator Energy Recovery Ventilator Low Ambient Control Low Pressure Control LAC + LPC Start Kit Heater Package Circuit Breaker Kit	Blank Off Plate Barometric Fresh Air Damper Motorized Fresh Air Damper Commercial Ventilator with Exhaust Economizer with Exhaust Energy Recovery Ventilator Low Ambient Control Low Pressure Control LAC + LPC Start Kit Heater Package Circuit Breaker Kit	Blank Off Plate

NOTE: Top utiet models are available only as factory built.

