



THE WALL-MOUNT™ SIX TON AIR CONDITIONER

4 Models

Cooling Capacities: 64,000 to 68,000 BTUH

EER: 9.00

The Bard Wall-Mount Six Ton Air Conditioner is a self contained energy efficient system which is designed to offer maximum indoor comfort at a minimal cost without using valuable indoor floor space or outside ground space. This unit is the ideal product for versatile applications such as: new construction, modular offices, school modernization, telecommunication structures, portable structures, or correctional facilities. Factory or field installed accessories are available to meet specific job requirements.

Engineered Features

Aluminum Finned Copper Coils:

Grooved copper tubing and enhanced louvered aluminum fin for maximum heat transfer and energy efficiency.

Twin Blowers:

Move air quietly. Models WA701-A, WA701-B and WA721-B feature multispeed blower motors providing airflow adjustment for high and low static operation. Motor overload protection is standard on all models.

Air Conditioner Compressor:

Copeland scroll compressor designed for increased efficiency, quieter operation and improved reliability for longer life. Equipped with crankcase heater.

Galvanized 20 Gauge Zinc Coated Steel Cabinet:

Cleaned, rinsed, sealed and dried before the polyurethane primer is applied. The cabinet is handsomely finished with a baked-on, beige textured enamel which allows it to withstand 1000 hours of salt spray exposure.

Electrical Components:

Are easily accessible for routine inspection and maintenance through a right side, service panel opening. Features a lockable, hinged access cover to the circuit breaker or pull disconnect switch.

Electric Heat Strips:

Feature an automatic limit and thermal cut-off safety control. Heater packages are factory or field installed for all models. Features easy slide-in field assembly with various BTUH outputs.

High Pressure Switch is Auto-Reset:

Built-in lock-out circuit resets from the room thermostat. Provides commercial quality protection to the compressor.

Low Pressure Switch is

Auto-Reset:

Built-in lock-out circuit and low pressure timed bypass circuit. Resets from room thermostat.

Adjustable Compressor Time Delay Relay:

From 6 seconds to 10 minutes. Operates on delay on make and is factory set at 5 minutes.

Low Ambient Control:

Permits operation down to 0°F outdoor ambient.

Dry Contacts for Remote Alarm on High or Low Pressure Lock-out:

Built-in Circuit Breakers:

Standard on all KW versions of models WA701-A, WA701-B and WA721-B. Pull disconnects are standard on all KW types of model WA701-C (460 volt-3ph).

One Inch, Disposable Air Filters:

Are standard equipment. Optional one inch washable filters available and filter racks permit addition of 2" pleated filter. Factory or field installed.

Condenser Fan and Motor Shroud Assembly:

Slide out for easy access.

Barometric Fresh Air Damper:

Standard on all units. Allows up to 25% outside fresh air.

Rain Hood:

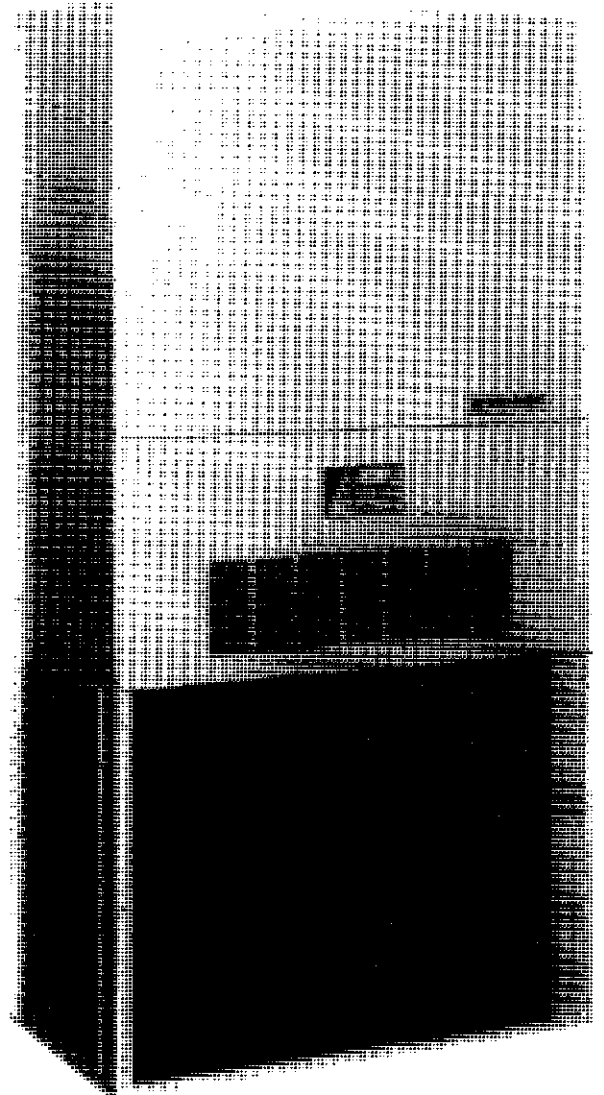
Standard built-in feature on all models.

Top Rain Flashing:

Standard feature on all models

Full Length Mounting Brackets:

Built into cabinet for improved appearance and easy installation. NOTE: Bottom mounting bracket included to assist in installation.



Ventilation System Packages

All packages are designed to meet your specific ventilation requirements utilizing one of six ventilation options for the product. The ventilation package is mounted within the unit eliminating the need for an exterior mounted hood or damper assembly on the unit. All assemblies can be factory installed, installed in the field at time of installation or as a retrofit system after installation.

- **Standard - Barometric Fresh Air Damper**
- **Optional - Motorized Fresh Air Damper**
- **Optional - Blank off Plate**
- **Optional - Commercial Room Ventilator (CRV)**
- **Optional - Economizer**
- **Optional - Energy Recovery Ventilator**



Capacity and Efficiency Ratings

MODELS	VOLTS	OPERATING	PHASE	COOLING	CFM/ESP	SEER	EER
		VOLTAGE RANGE		CAP. BTUH	(RATED - WET COIL)		
WA701-A	230/208	197 - 253	1	64,000	1,800 / .2	10.0	
WA701-B	230/208	197 - 253	3	67,000	1,800 / .2		9.00
WA701-C	460	414 - 506	3	67,000	1,800 / .2		9.00
WA721-B	230/208	197 - 253	3	68,000	1,800 / .2		9.00

Tested and Certified in accordance with ARI Standard 210/240-89.

All capacity, efficiency and cost of operation is based on high speed operation with fresh air cover plate. Cover plate must be ordered separately and is recommended for use to obtain maximum energy efficiency where fresh air opening is not required.

Specifications

MODELS	ELECTRICAL	COMPRESSOR			OUTDOOR FAN MOTOR			INDOOR BLOWER MOTOR		FILTER SIZE	SHIPPING
	RATING - 60HZ	RLA	BCSC	LRA	HP/RPM/SPD	FLA	DIA/CFM	HP/RPM/SPD	FLA	(INCHES) STD.	WEIGHT
WA701-A	230/208-1	28.2 / 33.6	32	129 / 129	1/3 / 850 / 2-Spd	2.5	24" / 2,600	1/2 / 1,070 / 2-Spd	3.3	20 x 30 x 1	520
WA701-B	230/208-3	20.5 / 21.5	22	150 / 156	1/3 / 850 / 2-Spd	2.5	24" / 2,600	1/2 / 1,070 / 2-Spd	3.3	20 x 30 x 1	520
WA701-C	460-3	10.2	10.2	70	1/3 / 850 / 1-Spd	2.5	24" / 2,600	1/2 / 1,070 / 2-Spd	3.3	20 x 30 x 1	520
WA721-B	230/208-3	20.5 / 21.5	22	150 / 156	1/2 / 1,075 / 1-Spd	3.0	24" / 3,500	1/2 / 1,070 / 2-Spd	3.3	20 x 30 x 1	520

IMPORTANT — While this electrical data is presented as a guide, it is important to electrically connect properly sized fuses and conductor wires in accordance with the National Electrical Code and all existing local codes.

Electrical Specifications

MODEL	RATED VOLTS & PHASE	NO. FIELD POWER CIRCUITS	SINGLE CIRCUIT				DUAL CIRCUIT						
			③ MINIMUM CIRCUIT AMPACITY	① MAXIMUM EXTERNAL FUSE OR CKT. BREAKER	② FIELD POWER WIRE SIZE	② GROUND WIRE SIZE	③ MINIMUM CIRCUIT AMPACITY	① MAXIMUM EXTERNAL FUSE OR CKT. BREAKER	② FIELD POWER WIRE SIZE	② GROUND WIRE SIZE			
							Ckt. A	Ckt. B	Ckt. A	Ckt. B	Ckt. A	Ckt. B	
WA701-A00, A0Z	230/208-1	1	48	60	8	10	-	-	-	-	-	-	
A05		1	48	60	8	10	-	-	-	-	-	-	
A10		1	59	60	6	10	-	-	-	-	-	-	
A15		1 OR 2	85	90	4	8	59	26	60	30	6	10	10
A20		1 OR 2	110	110	2	8	59	52	60	60	6	6	10
WA701 or WA721:	230/208-3												
B00, B0Z		1	36	50	8	10	-	-	-	-	-	-	
B09		1	36	50	8	10	-	-	-	-	-	-	
B15		1	52	60	6	10	-	-	-	-	-	-	
B18	1	60	60	6	10	-	-	-	-	-	-	-	
WA701-C00, C0Z	460-3	1	17	25	12	12	-	-	-	-	-	-	
C09		1	17	25	12	12	-	-	-	-	-	-	
C15		1	26	30	10	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.

Electric Heat Table

MODELS	WA701-A		WA701-B		WA701-C
	240V-1	208V-1	240V-3	208V-3	
	BTUH	BTUH	BTUH	BTUH	
KW					
5.0	18,840	14,300	-	-	-
9.0	-	-	30,600	23,030	30,700
10.0	35,900	27,100	-	-	-
15.0	52,975	39,900	51,200	38,400	47,000
18.0	-	-	61,430	46,100	-
20.0	70,035	52,700	-	-	-

Indoor Blower Performance - CFM at 230 Volts

E.S.P. In H ₂ O	WA701		LOW SPEED DRY / WET COIL
	WA721		
	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	-	

Heater Packages — Field Installed

- Designed for adding Electric Heat to 0KW Units
- Circuit Breaker Standard on 230/208V Models
- Pull Disconnect Standard on 460V Models
- UL Listed
- CULL Listed

AIR CONDITIONER MODELS	-A00 MODELS 230/208-1		-B00 MODELS 230/208-3		-C00 MODELS 460-3	
	HEATER MODEL #	KW	HEATER MODEL #	KW	HEATER MODEL #	KW
	WA701	EHWA05-A05	5	EHWA05-B09	9	EHWA05A-C09
	EHWA05-A10	10	EHWA05-B15	15	EHWA05A-C15	15
	EHWA05-A15	15	EHWA05-B18	18		
	EHWA05-A20	20				
WA721	N/A		EHWA05-B09	9		
			EHWA05-B15	15		
			EHWA05-B18	18		
					N/A	

Clearances Required for Service Access and Adequate Condenser Air Flow

MODELS	LEFT SIDE	RIGHT SIDE
WA701, WA721	20"	20"

Minimum Clearances Required to Combustible Materials

MODELS ①	SUPPLY AIR DUCT FIRST THREE FEET	CABINET
WA701, WA721	1/4"	0"

① Refer to installation manual 2100-266 for more detailed information.

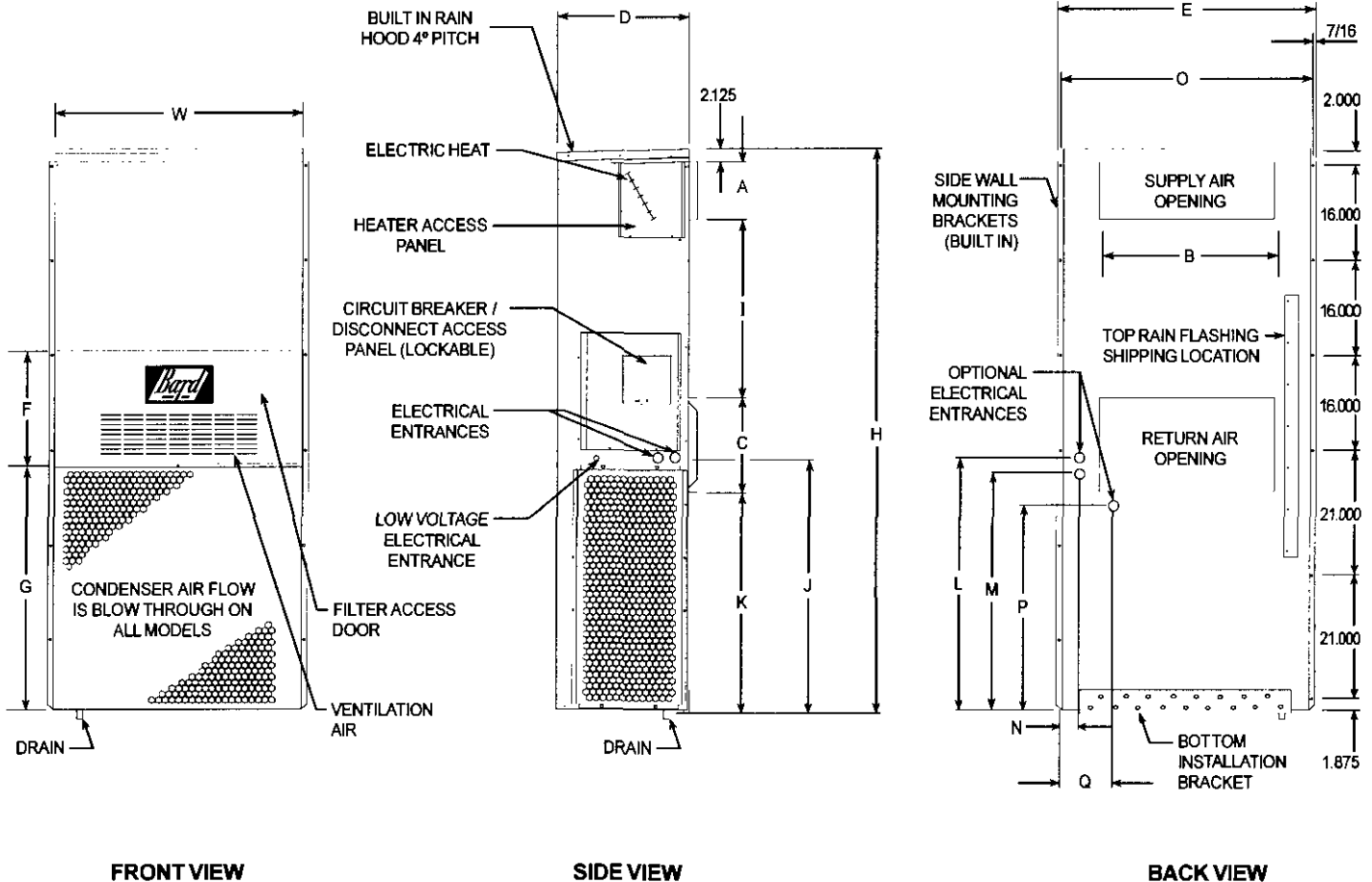
Wall Thermostat and Subbase Options

BARD PART NO.	THERMOSTAT MODEL NO.	BARD PART NO.	SUBBASE MODEL NO.	FEATURES
8403-002	T87F3111	8404-003	Q539A1220	1 Stage Cool, 1 Stage Heat, Mercury System: Heat-Off-Cool Fan: Auto-On
8403-008	ID51-605	N/A	N/A	1 Stage Cool, Snap Action System: Off-Cool Fan: Auto-On
8403-009	IF56-318	N/A	N/A	1 Stage Cool, 1 Stage Heat, Mercury System: Heat-Off-Cool Fan: Auto-On
8403-019	T874C1760	8404-012	Q674A1001	1 Stage Cool, 2 Stage Heat, Mercury System: Heat-Auto-Cool Fan: Auto-On
8403-021	T874D1934	8404-012	Q674A1001	2 Stage Cool, 2 Stage Heat, Mercury System: Heat-Auto-Cool Fan: Auto-On
8403-035	IF95-80	N/A	N/A	2 Stage Cool, 2 Stage Heat, Electronic 7 Day Programming

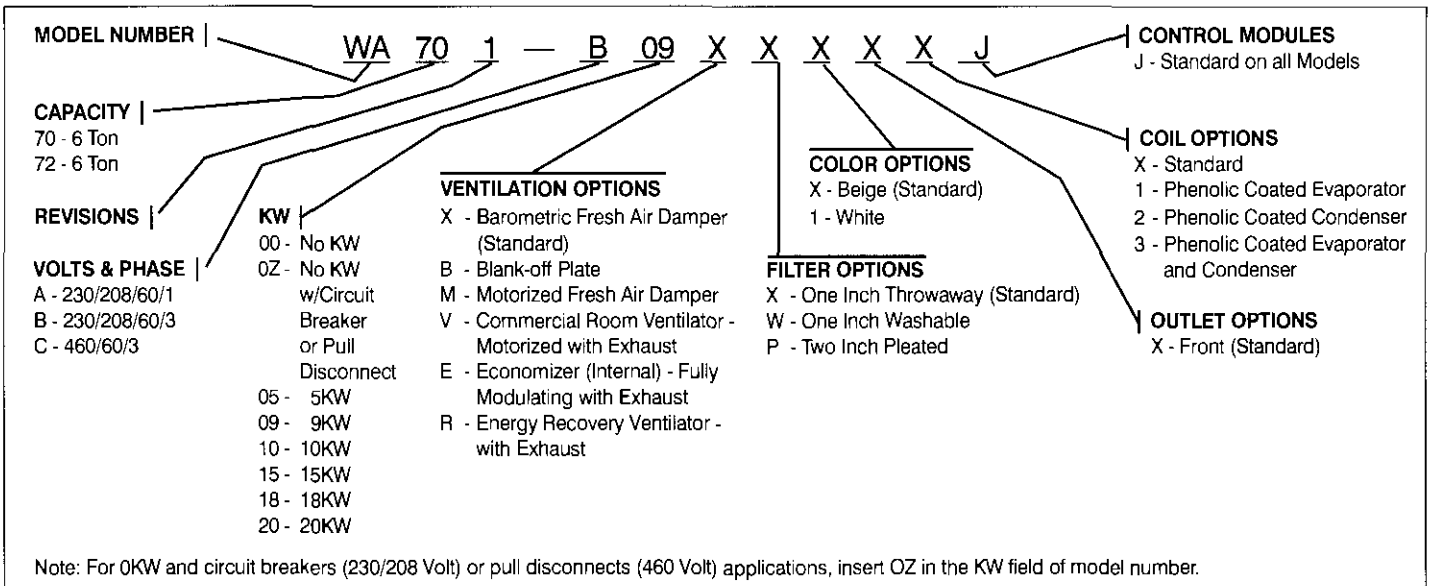
Dimensions of Basic Unit for Architectural and Installation Requirements (Nominal)

UNIT	WIDTH (W)	DEPTH (D)	HEIGHT (H)	SUPPLY		RETURN		E	F	G	I	J	K	L	M	N	O	P	Q
				A	B	C	B												
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



Air Conditioning Wall-Mount Model Nomenclature



WA701 & WA721 Ventilation Options

MODELS	DESCRIPTION	
	FIELD INSTALLED PART NO.	FACTORY INSTALLED CODE NO.
WA701	BFAD-5	X
WA721	BOP-5	B
WA701	MFAD-5	M
WA721	CRV-5	V
WA701	EIFM-5	E
WA721	WERV-A5B ②	R ②
WA701	WERV-C5B ②	R ②

- ① Low ambient control is required with economizer for low temperature compressor operation. Requires 8403-021 (T874D1934) thermostat and 8404-012 (Q674A1001) subbase combination.
② The Energy Recovery Ventilator is available on the WA701 model series only.

Air Conditioning Control Modules

FACTORY INSTALLED STANDARD CODE NO.	DESCRIPTION					
	HIGH PRESSURE CONTROL ②	LOW PRESSURE CONTROL ③	COMPRESSOR ANTI-CYCLE RELAY ④	LOW AMBIENT CONTROL ⑤	ALARM RELAY ⑥	DDC SENSORS ⑦
WA701-WA721 ①	•	•	•	•	•	•
V	•	•	•	•	•	•

- ① FOR WA701-A,B,C AND WA721-B MODELS, THE HIGH PRESSURE CONTROL, LOW PRESSURE CONTROL, LOCK-OUT RELAY, LOW PRESSURE BYPASS CIRCUIT, COMPRESSOR ANTI-CYCLE RELAY, LOW AMBIENT CONTROL AND ALARM RELAY ARE STANDARD FEATURES.
② The high pressure control is auto reset. It includes a lock-out feature and is resettable from the wall thermostat.
③ The low pressure control is auto reset. It includes a lock-out feature and is resettable from the wall thermostat. All low pressure controls use a timed bypass circuit to prevent nuisance tripping during low pressure start-up.
④ The compressor anti-cycle relay on control module J is adjustable (6 seconds to 10 minutes). It operates on delay on make and is factory set at 5 minutes.
⑤ The low ambient control permits cooling operation down to 0°F.
⑥ The alarm relay has a set of normally open and normally closed dry contacts to provide the ability to signal a condition of shutdown on either the high or low pressure switch.
⑦ Incorporate 4 additional sensors: discharge air temperature, indoor blower air flow, compressor current, dirty filter. These sensing devices function to input analog data such as temperature as well as digital data such as air flow, compressor status or filter status. Factory installed "V" control module should be ordered in conjunction with Bard direct digital control (DDC) model TCS20. For additional information, please refer to DDC specification sheet S3280.

NOTE: A start kit is not needed on WA701-B,C and WA721-B models.



Bard Manufacturing Company
Bryan, Ohio 43506
*Since 1914...Moving Ahead,
just as planned.*

Specifications subject to change without notice.
Before purchasing this appliance, read important energy cost and efficiency information available from your retailer.

Form No.
S3274
April, 1998

Supersedes April 1997

Cooling Application Data — Outdoor Temperature °F ①

MODEL	② D.B./W.B.	COOLING CAPACITY	OUTDOOR TEMPERATURE (°F)										
			75°	80°	85°	90°	95°	100°	105°	110°	115°	120°	125°
WA701-A	75/	Total Cooling	66,200	63,600	61,000	58,400	55,700	53,200	50,700	48,100	45,500	—	—
	62	Sensible Cooling	50,600	47,900	45,400	43,500	42,000	40,800	40,100	39,600	39,500	—	—
	80/	Total Cooling	70,700	69,300	67,700	66,000	64,000	62,000	59,800	57,400	54,800	—	—
	67	Sensible Cooling	49,100	46,900	45,000	43,500	42,400	41,500	41,100	40,900	41,100	—	—
WA701-B,C	85/	Total Cooling	84,200	81,000	77,700	74,500	71,100	67,800	64,500	61,100	57,600	—	—
	72	Sensible Cooling	50,300	47,600	45,200	43,200	41,600	40,200	39,200	38,400	37,900	—	—
	75/	Total Cooling	69,700	66,800	63,900	61,100	58,300	55,550	52,800	50,150	47,500	—	—
	62	Sensible Cooling	49,500	48,000	46,600	45,300	44,000	42,800	41,600	40,550	39,500	—	—
WA721	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	70,700	67,800	64,900	62,100	59,300	56,500	53,800	51,200	48,500	46,800	45,600
	62	Sensible Cooling	50,500	49,000	47,600	46,300	45,000	43,800	42,600	41,600	40,500	39,800	38,600
	80/	Total Cooling	75,600	73,900	72,100	70,100	68,000	65,800	63,400	60,900	58,300	57,400	54,500
	67	Sensible Cooling	49,100	48,100	47,200	46,300	45,500	44,600	43,800	43,000	42,200	41,800	40,850
WA721	85/	Total Cooling	89,700	86,100	82,600	79,000	75,400	71,800	68,300	64,700	61,100	59,500	56,900
	72	Sensible Cooling	50,200	48,800	47,400	46,000	44,600	43,200	41,700	40,300	38,900	37,800	35,800

① Below 65°F, unit requires a factory or field installed low ambient control.
 ② Return air temp. °F.

CAPACITY MULTIPLIER FACTORS			
% of Rated Air Flow	-10	Rated	+10
Total BTUH	0.975	1.0	1.02
Sensible BTUH	0.950	1.0	1.05

Engineering Specification Guide

GENERAL

A one-piece wall-mounted, factory-assembled, precharged, prewired, tested and ready-to-operate air conditioner unit. The unit is to be manufactured by Bard Manufacturing Company, Model No. _____. The unit shall have a limited warranty of 1-year on parts and 5-years on the compressor. The unit shall be approved and listed by Underwriters' Laboratories, Inc. and Canadian Underwriters' Laboratories (CUL) for installation on combustible surfaces for zero clearance between the unit and wall. For the first three feet the supply duct must be approved for 1/4-inch clearance to combustible material. Performance shall be certified in accordance with Air Conditioning and Refrigeration Institute Standard 210/240-89 for Unitary Air-Source Air Conditioners or latest standard.

PERFORMANCE

Total cooling capacity of the unit shall be _____ BTUH and the sensible cooling capacity shall be _____ BTUH when handling _____ CFM of indoor air at entering conditions of _____ °F DB and _____ °F WB and _____ °F DB outdoor ambient. Efficiency shall be _____ EER cooling.

HEATING CAPACITY

Electric supplemental heaters shall provide _____ BTUH at _____ volts. The heater shall be a nominal _____ KW, _____ phase _____ volts. Each heater is to be equipped with an automatic reset limit switch and a one time high temperature thermal cut-out for additional safety back up protection.

COMPRESSOR

Shall be a Copeland scroll compressor designed for increased efficiency, quieter operation and improved reliability for longer life. Scroll compressor shall have a 5-year warranty, suction and discharge ports and includes a crankcase heater. The refrigeration circuit shall include a high and low pressure switch.

COILS

Shall be of copper tube construction with mechanically bonded aluminum plate fins. The refrigerant control shall be factory installed thermostatic expansion valve.

BLOWERS AND FANS

Twin indoor coil blowers shall have a centrifugal forward curved blower direct driven by a _____ speed 1/2 HP motor. Indoor blowers shall discharge horizontally and deliver _____ CFM of air with an external static pressure of _____ "WC" or greater high speed.

Propeller type outdoor coil fan shall discharge air horizontally and be direct driven by a _____ speed _____ HP motor.

CONDENSER FAN

Condenser fan, motor and shroud shall be of "slide out" configuration for easy service and maintenance.

CONTROL CIRCUIT

The internal control circuit shall consist of a current limited type transformer 24 VAC. Fan motors shall have both thermal and current sensitive overload devices. A low ambient outdoor fan control shall be factory installed for operation of the air conditioner in the cooling mode down to 0°F. To prevent rapid compressor cycling and to delay start-up of compressor on a call for cooling, an automatic resetting adjustable time delay circuit (6 seconds to 10 minutes) shall also be provided. A low pressure by-pass shall be factory installed to prevent nuisance tripping during low-pressure start-up.

ELECTRICAL CONTROL BOX

Shall be factory wired and located in a readily accessible location being on the right side of unit. Line voltage circuit breaker or pull disconnect with lockable cover shall be supplied on each unit and shall be easily accessible without removing any unit panels.

CABINET

Shall be single, enclosed, weatherproof casing constructed of 20 gauge galvanized steel. Each exterior casing panel to be bonderized and finished with baked-on exterior polyester enamel paint prior to assembly. The baked-on, exterior polyester enamel finish shall be applied over a polyurethane primer coating and capable of resisting a minimum 1000 hour salt spray exposure per ASTM B117. Cooling section shall be fully insulated with 1 inch fiberglass to prevent sweating and to muffle sounds. Openings shall be provided for power connections. Access openings appropriate for outside structure to all fan motors and compressor for making repairs and for removing internal components without removing unit from its permanent installation is required.

MOUNTING BRACKETS

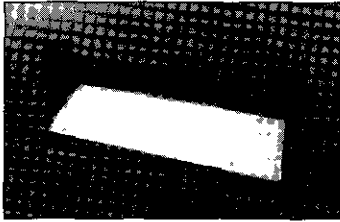
Full length side mounting brackets shall be an integral part of the cabinet. 16 gauge metal bracket shall also be provided for bottom.

RAIN PROTECTION

Top panel of unit should be sloped away from building to provide "rain hood" protection. Shall include top rain flashing to minimize water leaks.

Ventilation System Packages

Bard Wall-Mounts are designed to provide optional ventilation packages to meet all of your ventilation and indoor air quality requirements. Standard on all units is the barometric fresh air damper. All packages can be ordered built-in at the factory or can be easily field installed at the time of installation of the Wall-Mount, or can be retrofitted at a later date.



BAROMETRIC FRESH AIR DAMPER

BAROMETRIC FRESH AIR DAMPER - BFAD

STANDARD

The barometric fresh air damper is a standard feature on all models. It is installed on the inside of the service door and allows up to 25% outside fresh air through the air inlet openings and is mixed with the conditioned air. The damper opens during blower operation and closes when the blower is off. Adjustable blade stops allow different amounts of outside air to be introduced into the building or can be easily locked closed if required.

BLANK OFF PLATE - BOP

OPTIONAL

A blank off plate is installed on the inside of the service door. It covers the air inlet openings which eliminate outside air from entering into the unit. The blank off plate should be utilized in applications where outside air is not required to be mixed with the conditioned air.



MOTORIZED FRESH AIR DAMPER

MOTORIZED FRESH AIR DAMPER - MFAD

OPTIONAL

The motorized fresh air damper is internally mounted behind the service door and allows up to 25% outside fresh air through the air inlet openings and is mixed with the conditioned air. The two position damper can be fully open or closed. The damper blade is powered open by a 24VAC motor with spring return on power loss. The damper can be controlled by indoor blower operation or can be field connected to be managed based on building occupancy.

COMMERCIAL ROOM VENTILATOR - CRV

OPTIONAL

The built-in commercial room ventilator is internally mounted behind the service door and allows up to 75% outside air through the air inlet openings. It includes a built-in exhaust air damper.

The commercial room ventilator (CRV) is a simple and innovative approach to improve the indoor air quality by providing fresh air intake and exhaust capability through the CRV. The damper can be easily adjusted to control the amount of fresh air supplied into the building. The CRV can be controlled by indoor blower operation or field controlled based on room occupancy. The CRV is power open - spring return on power loss. Complies with ASHRAE Standard 62-89 "Ventilation for acceptable indoor air quality."



COMMERCIAL ROOM VENTILATOR

ECONOMIZER - EIFM

OPTIONAL

The built-in economizer system is internally mounted behind the service door and allows up to 100% outside air through the air inlet openings. It includes a built-in exhaust air damper. The economizer is designed to provide "free cooling" when the outside air temperature is cool enough to provide needed cooling without running the compressor. This in turn, provides lower operating costs, while extending the life of the compressor.



ECONOMIZER

Standard Features:

- One Piece Construction - Easy to install with no mechanical linkage adjustment required
- Exhaust Air Damper - Built-in with positive closed position. Provides exhaust air capability to prevent pressurization of tight buildings.
- Actuator Motor - 24 volt, power open, spring return with built-in torque limiting switch.
- Proportioning Type Control - for maximum "free cooling" economy and comfort with up to 100% outside air.
- Moisture Eliminator & Prefilter - permanent, washable aluminum construction.
- Enthalpy Control - adjustable to monitor outdoor temperature and humidity.
- Minimum Position Potentiometer - adjustable to control minimum damper blade position.
- Mixed Air Sensor - to monitor outside and return air to automatically modulate damper position.

WALL-MOUNT ENERGY RECOVERY VENTILATOR — WERV

OPTIONAL

The wall-mount energy recovery ventilator (WERV) is a highly innovative approach to meeting ventilation requirements as established by ASHRAE Standard 62-89. The WERV allows from 200 to 450 CFM of fresh air and exhaust through the unit while maintaining superior indoor comfort and humidity levels. In most cases this can be accomplished without increasing equipment sizing or operating costs. Heat transfer efficiency is up to 67% during summer and 75% during winter conditions.

The WERV consists of a unique "rotary energy recovery cassette" that provides sensible and latent capability providing effective heat transfer during summer and winter conditions. Various control schemes are addressed including limiting ventilation during building occupancy only.

The WERV is designed to be internally mounted behind the service door in the WA701 model wall-mount unit. It can be built-in at the factory or field installed as an option. (See Form F1403 for complete performance and application details.)



ENERGY RECOVERY VENTILATOR