



THE WALL-MOUNT™ 50 Hz HI-BOY AIR CONDITIONERS

SEVEN MODELS • Cooling Capacities: 21,800 to 52,000 BTUH
EER: 7.6 to 9.2



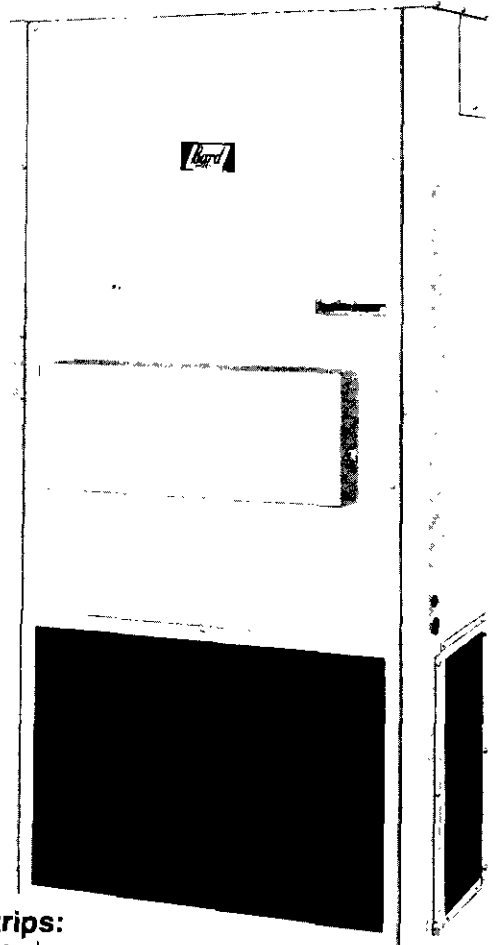
Practical, outside wallmount installation provides versatile applications for:



- HOME IMPROVEMENT PROJECTS
- NEW CONSTRUCTION
- MODULAR FACILITIES
- SCHOOLS
- APARTMENTS
- OFFICES



Model 36WA*
*On Models 42WA, 49WA, and 60WA, compressor is located on bottom base pan and serviced from left-hand side of cabinet.



Standard Deluxe Features

Aluminum Finned Copper Coil:
Surfaces provide maximum transfer.

Twin Blowers:
Move air quietly. Most models feature multispeed blower motors providing air-flow adjustment for high and low static operation. Motor overload protection is standard on all models.

Totally Enclosed Compressor*:
Operates quieter than others. Equipped with crankcase heater and is protected with internal overload, pressure relief valve and anti-slug device.

Galvannealed Steel Cabinet:
Is handsomely finished with baked-on polyester enamel.

Electrical Components:
Are easily accessible for routine inspection and maintenance through service panel opening.

Air Filters:
Are standard equipment. Replacement filters are easy to install.

Painted Slope Top:
Optional.

Barometric Damper Assembly:
Standard equipment with **The WALL-MOUNT™**

Economizer:
Optional. Reduces operating costs and prolongs life of compressor. See Form S3115.

Electric Heat Strips:
With automatic limit and thermal cut-off are available as a built-in option. Accessible from side outlet without removing unit from wall.



Capacity and Efficiency Ratings

MODEL	PHASE	COOLING CAPACITY BTUH ^①	EER
24WA6-D	1	21,800	8.8
30WA6-D	1	27,000	8.1
36WA6-D	1	31,000	8.8
36WA6-E,F	3	31,000	9.2
42WA-E,F	3	40,000	8.8
49WA-E,F	3	43,000	9.0
60WA-E,F	3	52,000	7.6

All capacity, efficiency and cost of operation information 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.

^① Rated at 95°F outdoor temperature, 80°D.B., 67°W.B

Specifications

MODEL	24WA6-D	30WA6-D	36WA6-D	36WA6-E	36WA6-F	42WA-E	42WA-F	49WA-E	49WA-F	60WA-E	60WA-F
Cooling Capacity Btuh	21,800	27,000	31,000	31,000	31,000	40,000	40,000	43,000	43,000	52,000	52,000
Electrical Rating - 50Hz	240/220-1	240/220-1	240/220-1	240/200-3	415/380-3	220/200-3	415/380-3	220/200-3	415/380-3	220/200-3	415/380-3
Operating Voltage Range	198-264	198-264	198-264	180-254	342-464	180-240	342-464	180-240	342-464	180-240	342-464
Compressor - Circuit A											
Volts	240/220	240/220	240/220	240/200	415/380	220/200	415/380	220/200	415/380	220/200	415/380
Rated Load Amps	10.2	14	19.4	13	7	13	8	14	8	15.5	7.8
Branch Circuit Selection Current	11	15	20.5	14	7	13	8	14	8	14	7.8
Lock Rotor Amps	52.7	69	87	66	35	74	41	82	41	103	54
Fan Motor & Condenser											
Fan Motor - HP/RPM	1/5 / 950	1/3 / 950	1/3 / 950	1/3 / 950	1/3 / 950	1/3 / 900	1/3 / 900	1/3 / 900	1/3 / 900	1/3 / 900	1/3 / 900
Fan Motor - Amps	1.6	2.1	2.1	2.1	2.1	1.7	1.7	1.7	1.7	1.7	1.7
Fan - DIA/CFM	18/1370	18/1700	20/1825	20/1825	20/1825	24/3000	24/3000	24/2800	24/2800	24/2800	24/2800
Motor and Evaporator											
Blower Motor - HP/RPM	1/6 / 950	1/3 / 950	1/3 / 950	1/3 / 950	1/3 / 950	1/2 / 950	1/2 / 950	1/2 / 950	1/2 / 950	1/2 / 950	1/2 / 950
Blower Motor - Amps	1.2	2.2	2.2	2.2	2.2	4.0	4.0	4.0	4.0	4.0	4.0
CFM Cooling & E.S.P. w/Filter (Rated)	680@1.5	955@.20	1000@.20	1000@.20	1000@.20	1310@.40	1310@.40	1440@.30	1440@.30	1440@.30	1440@.30
Filter Sizes (inches)	14x25x1	15x30-5/8x1				20x30x1					
Shipping Weight - Lbs.	310	375	380	380	380	500	500	510	510	510	510

Electric Heat Table

MODEL	KW 240/220-1	KW 220/200-3	KW 415/380-3
24WA6	8/6.7 10/8.4	NA	NA
30WA6-D and 36WA6-D	10/8.4	NA	NA
36WA6-E and 36WA6-F	NA	7.5/6.2	9/7.5
42WA-E	NA	12.6/10.4	NA
42WA-F	NA	NA	13.5/11.3
49WA-E	NA	12.6/10.4	NA
49WA-F	NA	NA	13.5/11.3
60WA-E	NA	12.6/10.4	NA
60WA-F	NA	NA	13.5/11.3

*Includes Indoor Blower Motor

Indoor Blower Performance

*CFM - DRY COIL

E.S.P. IN H ₂ O	20WA4 24WA6 **	30WA6 36WA6		42WA 49WA		60WA	
		LOW	HIGH	LOW	HIGH	LOW	HIGH
.0	790	800	1195	1320	1770	1300	1800
.10	740	770	1125	1265	1695	1245	1730
.20	680	749	1050	1225	1625	1200	1675
.30	620	—	958	—	1590	—	1640
.40	565	—	875	—	1495	—	1550
.50	480	—	780	—	1350	—	1400

*Filter included. See specifications for unit CFM rating.
**Single speed.

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.

Specifications subject to change without notice.

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer.

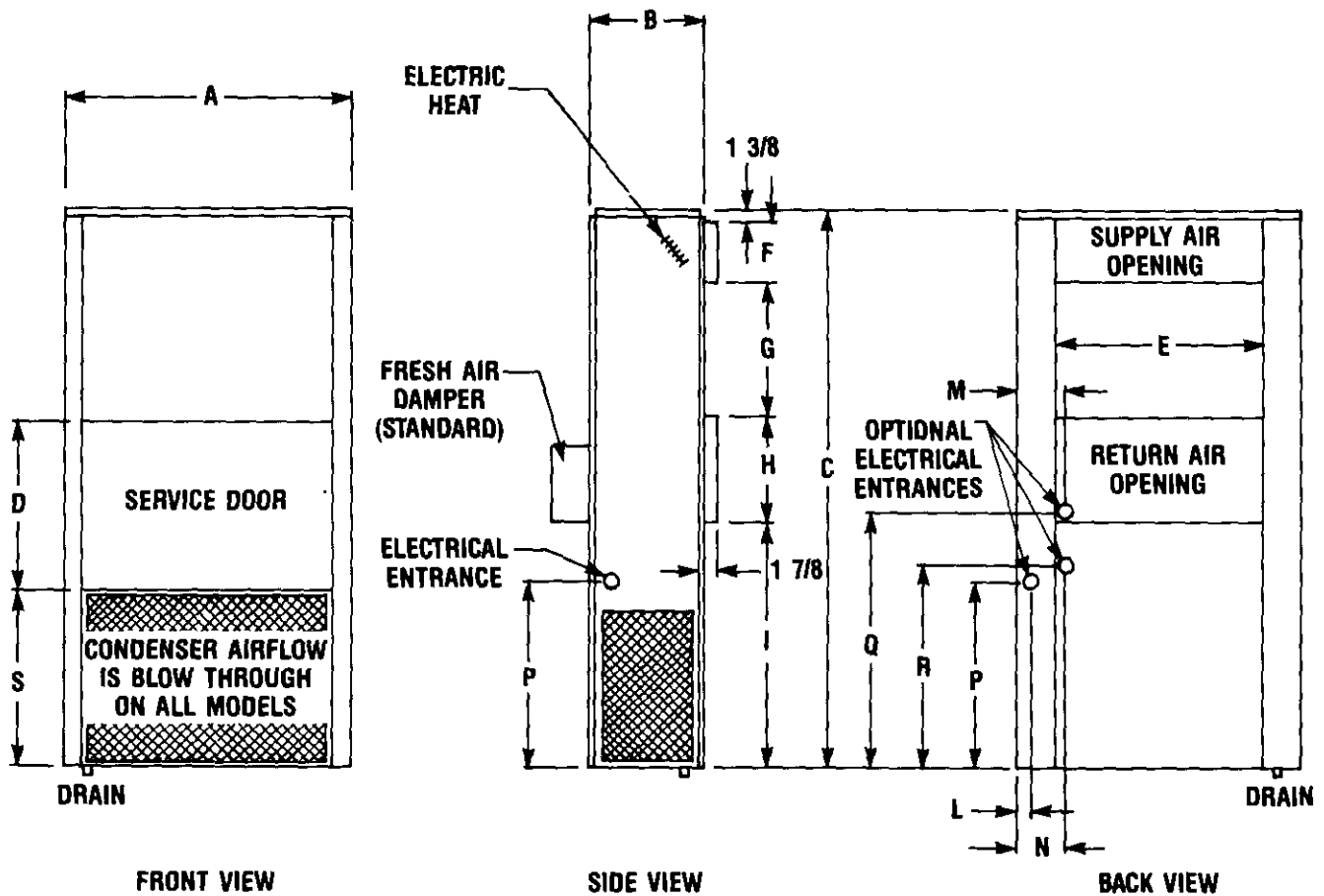
Dimensions of Basic Unit for Architectural and Installation Requirements (NOMINAL)

MODEL	A	B	C	D	E	F	G	H	I	L	M	N	P	Q	R	S	FRESH AIR INTAKE
																	Standard
20WA, 24WA	32 3/8	14 5/8	69 3/8	23 1/2	19 7/8	7 7/8	20 1/2	11 7/8	27 1/2	4	6 1/4	NA	22 3/8	28 5/8	NA	21 1/8	0-10%
30WA, 36WA	38	16 1/2	74	24 3/4	27 7/8	7 7/8	18	13 7/8	32 7/8	2 3/8	5 3/4	6 1/4	24 7/8	34 1/2	27	23 3/8	0-25%
42WA, 49WA, 60WA	42	23	84	21 1/2	29 7/8	9 7/8	30	15 7/8	26 7/8	NA	8	NA	32 5/8	32 5/8	NA	31 3/4	0-25%

Dimensions and filter sizes are in inches.

Clearances Required for Service Access and Adequate Condenser Air Flow

MODEL	LEFT SIDE	RIGHT SIDE
20WA, 24WA	13"	30"
30WA, 36WA	15"	30"
42WA, 49WA, 60WA	24"	30"



Electrical Specifications

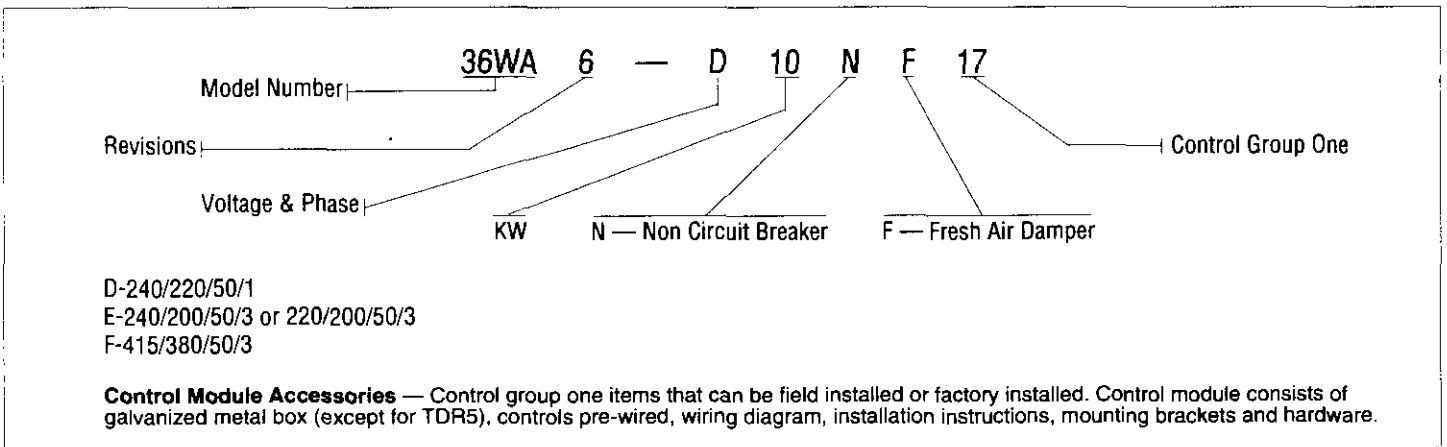
MODEL	RATED VOLTS & PHASE	① MAX. UNITS AMPS@ RATED VOLTS	*N* VERSIONS (STD. MODELS LESS CIRCUIT BREAKERS)					
			NO. FIELD POWER CIRCUITS	INTERNAL FUSES (CKTA)	① MAX. EXT. FUSE OR CIRCUIT BREAKER	MIN. CIRCUIT AMPACITY	② FIELD POWER WIRE SIZE	② GROUND WIRE SIZE
24WA6-D00* 08* 10*	240/220 1	12.2/13.6 33.3/28.8 41.6/38.2	1 1 1	— — —	25 45 60	17 44 54	14 6 6	10 10 10
30WA6-D00* 10*	240/220 1	17.4/19.4 41.6/36.2	1 1	— —	40 60	24 55	12 6	10 10
36WA6-D00* 10*	240/220 1	22.6/25.3 41.6/36.2	1 1	— —	40 60	23 55	12 6	10 10
36WA6-E00* 09*	240/200 3	17.7/18.9 21.7/18.7	1 1	— —	35 35	22 30	12 10	10 10
36WA6-F00* 09*	415/380 3	10.7/11.7 12.5/10.3	1 1	— —	20 19	14 20	14 14	10 10
42WA-E00* 15*	220/200 3	18.7/20 36.2/31.2	1 1	— —	35 60	22 51	12 6	10 10
42WA-F00* 14*	415/380 3	13.7/15 18.8/15.6	1 1	— —	15 30	14 26	14 10	10 10
49WA-E00* 15*	220/200 3	19.7/21 36.2/31.2	1 1	— —	40 60	25 51	12 6	10 10
49WA-F00* 14*	415/380 3	13.7/15 18.8/15.6	1 1	— —	20 30	15 29	14 10	10 10
60WA-E00* 15*	220/200 3	21.2/23.2 36.2/31.2	1 1	— —	35 60	24 51	12 6	10 10
60WA-F00* 14*	415/380 3	13.5/14.7 18.8/15.6	1 1	— —	20 30	16 30	14 10	10 10

* = N for standard models (less circuit breakers)

① Maximum size of the time delay fuse or HACR type circuit breaker for protection of field wiring conductors. (Sizes 70 amp or greater are not HACR type).

② Based on 60° C copper wire.

Air Conditioning Wall-Mount Nomenclature



BARD MANUFACTURING CO.
BRYAN, OHIO 43506
Since 1914...Moving ahead,
just as planned.

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change without notice.**

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important energy cost and efficiency
information available from your retailer.

**Form No.
S3077
July, 1991**

(Supersedes S3007-485)