



# THE WALL-MOUNT™ AIR CONDITIONERS 10.0 EER, (60HZ)

**Models J18AA to J72AA  
Models J18LA to J72LA  
1.5 to 6 Ton**

**Right-Side Control Panel  
Left-Side Control Panel  
(17,000 to 71,000 Btuh)**

**GREEN REFRIGERANT  
R-410A**

The Solair Wall-Mount 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 tubing and enhanced louvered fin for maximum heat transfer and energy efficiency.

### Twin Blowers:

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

### Air Conditioner Compressor:

Scroll Compressors eliminate need for crankcase heater. Standard on all models, except 5-Ton.

### R-410A Refrigerant:

Designed with R-410A (HFC) non-ozone depleting refrigerant in compliance with the Montreal protocol and 2010 EPA requirements.

### Phase Rotation Monitor:

Standard on all 3-phase scroll compressors. Protects against reverse rotation if power supply is not properly connected.

### 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 textured enamel, which allows it to withstand 1000 hours of salt spray tests per ASTM B117-03.

### Foil Faced Insulation:

Standard on all units.

### Full Length Mounting Brackets:

Built into cabinet for improved appearance and easy installation.

**NOTE:** Bottom mounting bracket included to assist in installation.

### 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 toggle disconnect switch.

### Electric Heat Strips:

Features an automatic limit and thermal cut-off safety control. Heater packages can be factory or field installed.

### Filter Service Door:

Separate service door provides easy access for filter change.

### Two Inch, MERV 8 Pleated Air Filters:

Are standard equipment. Factory or field installed.

### Condenser Fan and Motor Shroud Assembly:

Slides out for easy access.

### Barometric Fresh Air Damper:

Standard on all units. Allows up to 25% outside fresh air. Optional ventilation packages available.

### Optional Circuit Breakers:

Standard on all electric heat versions of single (230/208 volt) and three phase (230/208 volt) equipment. Toggle disconnects are standard on all electric heat versions of three phase (460 volt) equipment.

### Slope Top:

Standard feature for water run-off.

### Top Rain Flashing:

Standard feature on all models.

### Freezestat:

Standard on W72 models. Optional field installed CMC-29 can be used on all other models.



### Liquid Line Filter Drier:

Standard on all units. Protects system against moisture.

### Compressor Control Module:

Standard on all units. Built-in off-delay timer adjustable from 30 seconds to 5 minutes. 2-minute on-delay if power interrupt. 120-second bypass for low pressure control, and both soft and manual lockouts for high and low pressure controls. Alarm output for alarm relay.

### High & Low Pressure Switches are Auto-Reset:

Standard on all units. Built-in lockout circuit resets from the room thermostat. Provides commercial quality protection to the compressor.



Intertek

- Complies with efficiency requirements of ASHRAE/IESNA 90.1-2013.
- Certified to ANSI/ARI Standard 390-2003 for SPVU (Single Package Vertical Units).
- Intertek ETL Listed to Standard for Safety Heating and Cooling Equipment ANSI/UL 1995/CSA 22.2 No. 236-05, Fourth Edition.
- Commercial Product - Not intended for Residential application.

## Capacity and Efficiency Ratings

Models	J18AA J18LA	J24AA J24LA	J30AA J30LA	J36AA J36LA	J42AA J42LA	J48AA J48LA	J60AA J60LA	J72AA J72LA
Cooling Capacity BTUH ©	17,000	24,600	30,000	36,400	41,500	48,000	59,000	71,000
EER	10.00	10.20	10.30	10.00	10.00	10.00	10.00	10.00

© Capacity is certified in accordance with ANSI/ARI Standard 390-2003.

© EER = Energy Efficiency Ratio and is certified in accordance with ANSI/ARI Standard 390-2003.

All ratings based on fresh air intake being 100% closed (no outside air introduction).

## Specifications 1-1/2 Ton through 3 Ton

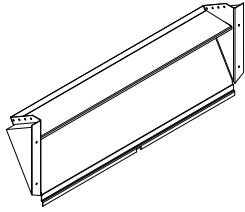
MODELS	J18AA-A J18LA-A	J24AA-A J24LA-A	J24AA-B J24LA-B	J24AA-C J24LA-C	J30AA-A J30LA-A	J30AA-B J30LA-B	J30AA-C J30LA-C	J36AA-A J36LA-A	J36AA-B J36LA-B	J36AA-C J36LA-C
<b>Electrical Rating – 60 Hz</b>	230/208 - 1	230/208 - 1	230/208 - 3	460 - 3	230/208 - 1	230/208 - 3	460 - 3	230/208 - 1	230/208 - 3	460 - 3
Operating Voltage Range	197-253	197-253	197-253	414-506	197-253	197-253	414-506	197-253	197-253	414-506
<b>Compressor--Circuit A</b>										
Voltage	230/208	230/208	230/208	460	230/208	230/208	460	230/208	230/208	460
Rated Load Amps	6.0/6.8	9.2/10.6	6.0/6.9	4.3	10.5/12.0	6.6/7.5	3.6	13.4/15	9.9/11.1	5.1
Branch Circuit Selection Current	9.0	12.8	8.3	5.1	16.0	10.0	4.7	17.9	13.2	6.0
Lock Rotor Amps	48/48	64/64	58/58	28	77/77	71/71	38	112/112	88/88	44
Compressor Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
<b>Fan Motor &amp; Condenser</b>										
Fan Motor--HP--RPM	1/5 - 1075	1/5 - 1075	1/5 - 1075	1/5 - 1075	1/5 - 1075	1/5 - 1075	1/5 - 1075	1/5 - 1075	1/5 - 1075	1/5 - 1075
Fan Motor--Amps	1.2	1.2	1.2	0.8	1.5	1.5	0.8	1.5	1.5	0.8
Fan--DIA/CFM	18" - 1800	18" - 1800	18" - 1800	18" - 1800	20" - 2400	20" - 2400	20" - 2400	20" - 2200	20" - 2200	20" - 2200
<b>Blower Motor &amp; Evap.</b>										
Blower Motor--HP-RPM-SPD	1/6-1100-2	1/6-1100-1	1/6-1100-1	1/6-1100-1	1/3-1100-2	1/3-1100-2	1/3-1100-2	1/3-1100-2	1/3-1100-2	1/3-1100-2
Blower Motor--Amps	0.8	1.1	1.1	.45	2.0	2.0	1.0	2.0	2.0	1.0
CFM Cooling & E.S.P. w/Filter (Rated-Wet Coil)	600 - .35	800 - .30	800 - .30	800 - .30	1000 - .45	1000 - .45	1000 - .45	1100 - .30	1100 - .30	1100 - .30
Filter Sizes (inches) STD.	16x25x1	16x25x1	16x25x1	16x25x1	16x30x1	16x30x1	16x30x1	16x30x1	16x30x1	16x30x1
<b>Shipping Weight --LBS.</b>	330	320	320	320	360	360	360	385	385	385
+Barometric Fresh Air Damper-Lbs	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0
+Economizer-Lbs	69.0	69.0	69.0	69.0	75.0	75.0	75.0	75.0	75.0	75.0

## Specifications 3-1/2 Ton through 6 Ton

MODELS	J42AA-A J42LA-A	J42AA-B J42LA-B	J42AA-C J42LA-C	J48AA-A J48LA-A	J48AA-B J48LA-B	J48AA-C J48LA-C	J60AA-A J60LA-A	J60AA-B J60LA-B	J60AA-C J60LA-C	J72AA-A J72LA-A	J72AA-B J72LA-B	J72AA-C J72LA-C
<b>Electrical Rating – 60 Hz</b>	230/208-1	230/208-3	460-3	230/208-1	230/208-3	460-3	230/208-1	230/208-3	460-3	230/208-1	230/208-3	460-3
Operating Voltage Range	197-253	197-253	414-506	197-253	197-253	414-506	197-253	197-253	414-506	197-253	197-253	414-506
<b>Compressor--Circuit A</b>												
Voltage	230/208	230/208	460	230/208	230/208	460	230/208	230/208	460	230/208	230/208	460
Rated Load Amps	15.1/16.9	10.4/11.6	5.2	17.3/19.6	11.8/13.3	5.8	21.8/23.2	13.9/14.8	7.4	27.7/30.4	16.9/18.5	8.8
Branch Circuit Selection Current	19.9	13.6	6.1	21.4	14.5	6.3	23.2	14.8	7.4	36.9	22.4	10.6
Lock Rotor Amps	109/109	83.1/83.1	41	135/135	98/98	55	130/130	110/110	55	185/185	149/149	75
Compressor Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
<b>Fan Motor &amp; Condenser</b>												
Fan Motor--HP--RPM-SPD	1/3-825-2	1/3-825-2	1/3-825-1	1/3-825-2	1/3-825-2	1/3-825-1	1/3-825-2	1/3-825-2	1/3-825-1	1/2-1075-1	1/2-1075-1	3/4-1075-1
Fan Motor--Amps	2.6	2.6	1.3	2.6	2.6	1.3	2.5	2.5	1.3	4.0	4.0	1.7
Fan--DIA/CFM	24" - 2900	24" - 2900	24" - 2900	24" - 3000	24" - 3000	24" - 3000	24" - 3100	24" - 3100	24" - 3100	24" - 4000	24" - 4000	24" - 4000
<b>Blower Motor &amp; Evap.</b>												
Blower Motor--HP-RPM-SPD	1/3-985-2	1/3-985-2	1/3-985-2	1/3-985-2	1/3-985-2	1/3-985-2	1/2-1070-2	1/2-1070-2	1/2-1070-2	3/4-1035-2	3/4-1035-2	3/4-1035-2
Blower Motor--Amps	2.3	2.3	1.2	2.3	2.3	1.2	3.5	3.5	2.1	6.3	6.3	1.7
CFM Cooling & E.S.P. w/Filter (Rated-Wet Coil)	1350 - .40	1350 - .40	1350 - .40	1550 - .35	1550 - .35	1550 - .35	1800 - .30	1800 - .30	1800 - .30	2000 - .25	2000 - .25	2000 - .25
Filter Sizes (inches) STD.	20x30x1	20x30x1	20x30x1	20x30x1	20x30x1	20x30x1	20x30x1	20x30x1	20x30x1	20x30x1	20x30x1	20x30x1
<b>Shipping Weight --LBS.</b>	475	475	475	485	485	485	550	550	550	550	550	550
+Barometric Fresh Air Damper-Lbs	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
+Economizer-Lbs	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5

## Ventilation System Packages

Bard Wall-Mounts are designed to provide optional ventilation packages to meet all of your ventilation and indoor air quality requirements. All units are equipped with a barometric fresh air damper as the standard ventilation package. All ventilation packages can be built-in at the factory or field-installed at a later date.

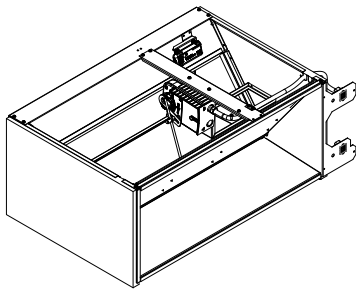


MS-3754  
**Barometric Fresh Air Damper**

### **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 outside ventilation air, up to 25% of the total airflow rating of the unit, to be introduced through the air inlet openings and to be 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 and can be easily locked closed if required.



MS-3757  
**Economizer**

### **ECONOMIZER – WECO Series**

**OPTIONAL**

The built-in economizer system is internally mounted behind the service door and allows outside ventilation air, up to 100% of the total airflow rating of the unit, to be introduced through the air inlet openings. It includes a built-in exhaust air damper. The economizer is designed to provide “free cooling” when outside air conditions are cool and dry enough to satisfy cooling requirements without running the compressor. This in turn provides lower operating costs, while extending the life of the compressor.

#### **Standard Features:**

- Fully modulating
- Honeywell Hi-Torque Actuator
- 7" intake hood with filter
- Simple single blade design
- Positive shut-off with non-stick gaskets
- Electronic DB and/or Enthalpy sensors depending upon version
- Honeywell JADE electronic economizer module with precision settings and diagnostics
- DB or Enthalpy economizer versions available

# Electrical Specifications — J\*\*AA Series (Field Installed Elec. Heat Only)

MODEL	Rated Volts & Phase	No. Field Power Circuits	Single Circuit				Multiple Circuit													
			③ Minimum Circuit Ampacity	① Maximum External Fuse or Ckt. Brkr.	② Field Power Wire Size	② Ground Wire	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. C	Ckt. A	Ckt. B	Ckt. C	Ckt. A	Ckt. B	Ckt. C	Ckt. A	Ckt. B	Ckt. C		
J18AA-A00,A0Z	230/208-1	1	16	20	12	12														
A05		1	30	30	10	10														
A08		1	46	50	8	10														
A10		1	56	60	6	10														
J24AA-A00,A0Z	230/208-1	1	21	30	10	10														
A04		1	25	30	10	10														
A05		1	30	30	10	10														
A08		1	46	50	8	10														
A10	1	56	60	6	10															
J24AA-B00,B0Z	230/208-3	1	15	20	12	12														
B06		1	22	25	10	10														
J24AA-C00,C0Z	460-3	1	9	15	14	14														
C06		1	11	15	14	14														
J30AA-A00,A0Z	230/208-1	1	26	35	8	10														
A05		1	32	35	8	10														
A08		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		
J30AA-B00,B0Z	230/208-3	1	19	20	12	12														
B06		1	24	25	10	10														
B09		1	33	35	8	10														
B15		1	51	60	6	10														
J30AA-C00,C0Z	460-3	1	9	15	14	14														
C06		1	12	15	14	14														
C09		1	17	20	12	12														
C12		1	21	25	10	10														
C15		1	26	30	10	10														
J36AA-A00,A0Z	230/208-1	1	29	35	8	10														
A05		1	32	35	8	10														
A08		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		
J36AA-B00,B0Z	230/208-3	1	23	30	10	10														
B06		1	24	30	10	10														
B09		1	33	35	8	10														
B15		1	51	60	6	10														
J36AA-C00,C0Z	460-3	1	11	15	14	14														
C06		1	12	15	14	14														
C09		1	17	20	12	12														
C12		1	21	25	10	10														
C15		1	26	30	10	10														
J42AA-A00,A0Z	230/208-1	1	32	50	8	10														
A05		1	32	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		
A20		1 or 2	110	125	2	6	58	52		60	60		6	6			10	10		
A20		1 or 2	110	125	2	6	58	52		60	60		6	6			10	10		
J42AA-B00,B0Z	230/208-3	1	25	35	8	10														
B09		1	33	35	8	10														
B15		1	51	60	6	10														
B18		1	60	60	6	10														
J42AA-C00,C0Z	460-3	1	12	15	14	14														
C09		1	17	20	12	12														
C15		1	26	30	10	10														
C15		1	26	30	10	10														
J48AA-A00,A0Z	230/208-1	1	34	50	8	10														
A05		1	34	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		
A20		1 or 2	110	125	2	6	58	52		60	60		6	6			10	10		
J48AA-B00,B0Z	230/208-3	1	26	35	8	10														
B09		1	33	35	8	10														
B15		1	51	60	6	10														
B18		1	60	60	6	10														
J48AA-C00,C0Z	460-3	1	12	15	14	14														
C09		1	17	20	12	12														
C15		1	26	30	10	10														
J60AA-A00,A0Z	230/208-1	1	38	60	8	10														
A05		1	38	60	8	10														
A10		1	60	60	6	10														
A15		1 or 2	86	90	3	8	60	26		60	30		6	10			10	10		
A20		1 or 2	112	125	2	6	60	52		60	60		6	6			10	10		
J60AA-B00,B0Z	230/208-3	1	27	40	8	10														
B09		1	35	40	8	10														
B15		1	53	60	6	10														
B18		2	N/A	N/A	N/A	N/A	35	28		40	30		8	10			10	10		
J60AA-C00,C0Z	460-3	1	14	20	12	12														
C09		1	18	20	12	12														
C15		1	27	30	10	10														
J72AA-A00,A0Z	230/208-1	1	58	60	6	10														
A05		1	58	60	6	10														
A10		1 or 2	62	70	6	8	58	26		60	30		6	10			10	10		
A15		1 or 2	88	90	3	8	58	52		60	60		6	6			10	10		
A20		1 or 3	114	125	2	6	58	52	52	60	60	60	6	6	6		10	10	10	
J72AA-B00,B0Z	230/208-3	1	40	60	8	10														
B09		1	40	60	8	10														
B15		1	55	60	6	10														
B18		2	N/A	N/A	N/A	N/A	40	28		60	30		8	10			10	10		
J72AA-C00,C0Z	460-3	1	18	25	10	10														
C09		1	18	25	10	10														
C15		1	27	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 75C copper wire. All wiring must conform to the National Electrical Code and all local codes.

③ These "Minimum Circuit Ampacity" values are to be used for sizing the field power conductors. Refer to the National Electrical code (latest version), Article 310 for power conductor sizing.

**Caution:** When more than one field power 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 three (3) current carrying conductors are in a raceway.

**IMPORTANT:** While this electrical data is presented as a guide, it is important to electrically connect properly sized over-current protection and conductor wires in accordance with the National Electrical Code and all local codes.

# Electrical Specifications — J\*\*LA Series (Field Installed Elec. Heat Only)

MODEL	Rated Volts & Phase	No. Field Power Circuits	Single Circuit				Dual Circuit							
			③ Minimum Circuit Ampacity	① Maximum External Fuse or Ckt. Brkr.	② Field Power Wire Size	② Ground Wire	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	Ckt. A	Ckt. B
J18LA-A00,A0Z	230/208-1	1	16	20	12	12								
A05		1	30	30	10	10								
A08		1	46	50	8	10								
A10		1	56	60	6	10								
J24LA-A00,A0Z	230/208-1	1	21	30	10	10								
A05		1	30	30	10	10								
A08		1	46	50	8	10								
A10		1	56	60	6	10								
J24LA-B00,B0Z	230/208-3	1	15	20	12	12								
B06		1	22	25	10	10								
J24LA-C00,C0Z	460-3	1	9	15	14	14								
C06		1	11	15	14	14								
J30LA-A00,A0Z	230/208-1	1	26	35	8	10								
A05		1	32	35	8	10								
A08		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
J30LA-B00,B0Z		230/208-3	1	19	20	12	12							
B09	1		33	35	8	10								
B15	1		51	60	6	10								
J30LA-C00,C0Z	460-3	1	9	15	14	14								
C09		1	17	20	12	12								
C15		1	26	30	10	10								
J36LA-A00,A0Z	230/208-1	1	29	35	8	10								
A05		1	32	35	8	10								
A10		1	58	60	6	10								
A15		1 or 2	84	90	4	8	58	26	60	30	6	10	10	10
J36LA-B00,B0Z	230/208-3	1	23	30	10	10								
B09		1	33	35	8	10								
B15		1	51	60	6	10								
J36LA-C00,C0Z	460-3	1	11	15	14	14								
C09		1	17	20	12	12								
C15		1	26	30	10	10								
J42LA-A00,A0Z	230/208-1	1	32	50	8	10								
A05		1	32	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
J42LA-B00,B0Z	230/208-3	1	25	35	8	10								
B09		1	33	35	8	10								
B15		1	51	60	6	10								
J42LA-C00,C0Z	460-3	1	12	15	14	14								
C09		1	17	20	12	12								
C15		1	26	30	10	10								
J48LA-A00,A0Z	230/208-1	1	34	50	8	10								
A05		1	34	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
J48LA-B00,B0Z	230/208-3	1	26	35	8	10								
B09		1	33	35	8	10								
B15		1	51	60	6	10								
J48LA-C00,C0Z	460-3	1	12	15	14	14								
C09		1	17	20	12	12								
C15		1	26	30	10	10								
J60LA-A00,A0Z	230/208-1	1	38	60	8	10								
A05		1	38	60	8	10								
A10		1	60	60	6	10								
A15		1 or 2	86	90	3	8	60	26	60	30	6	10	10	10
J60LA-B00,B0Z	230/208-3	1	27	40	8	10								
B09		1	35	40	8	10								
B15		1	53	60	6	10								
J60LA-C00,C0Z	460-3	1	14	20	12	12								
C09		1	18	20	12	12								
C15		1	27	30	10	10								
J72LA-A00,A0Z	230/208-1	1	58	60	6	10								
A05		1	58	60	6	10								
A10		1 or 2	62	70	6	8	58	26	60	30	6	10	10	10
A15		1 or 2	88	90	3	8	58	52	60	60	6	6	10	10
J72LA-B00,B0Z	230/208-3	1	40	60	8	10								
B09		1	40	60	8	10								
B15		1	55	60	6	10								
J72LA-C00,C0Z	460-3	1	18	25	10	10								
C09		1	18	25	10	10								
C15		1	27	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 75C copper wire. All wiring must conform to the National Electrical Code and all local codes.

③ These "Minimum Circuit Ampacity" values are to be used for sizing the field power conductors. Refer to the National Electrical code (latest version), Article 310 for power conductor sizing.

**Caution:** When more than one field power 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 three (3) current carrying conductors are in a raceway.

**IMPORTANT:** While this electrical data is presented as a guide, it is important to electrically connect properly sized over-current protection and conductor wires in accordance with the National Electrical Code and all local codes.

# Indoor Blower Performance (60 Hz) - CFM at Rated Voltage

Speed	J18		J24		J30		J36		J42		J48		J60		J72											
	High	Low	Single	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low									
ESP (Inch H2O)	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil								
0.0	1000	985	720	720	1010	975	1445	1380	940	930	1400	1310	965	955	1980	1940	1800	1705	1700	2105	2010	1540	1460	2255	2155	
0.1	965	950	700	690	960	925	1385	1320	930	920	1340	1260	940	930	1905	1880	1700	1640	1615	1615	2045	1960	1480	1395	2185	2095
0.2	935	900	665	660	905	870	1305	1240	920	910	1265	1185	905	890	1820	1760	1615	1565	1540	1540	1970	1885	1400	1315	2115	2035
0.3	880	845	635	625	835	800	1220	1150	895	880	1180	1100	860	850	1735	1665	1530	1450	1425	1425	1895	1800	1300	1220	2050	1970
0.4	795	760	590	575	750	720	1125	1055	850	830	1080	1010	800	785	1615	1565	1425	1350	1320	1320	1800	1700	1220	1150	1985	1920
0.5	680	645	520	510	640	610	1020	950	785	750	970	895	705	680	1510	1380	1100	980	1030	1030	1420	1190	1075	1070	1925	1855

Above data is with 1" standard throwaway filter and 1" washable filter.  
 For optional 2" pleated filter - reduce ESP by .15 in.  
 See installation instructions for maximum ESP information on various KW application.

① Factory Connected Speed.

# Electric Heat Table - Refer to Electrical Specifications for Availability by Unit Model

Nominal KW	At 240V (1)				At 208V (1)				At 480V (2)				At 460V (2)				
	Kw	1-Ph Amps	3-Ph Amps	Btuh	Kw	1-Ph Amps	3-Ph Amps	Btuh	Kw	3-Ph Amps	Btuh	Kw	3-Ph Amps	Btuh	Kw	3-Ph Amps	Btuh
4.0	4.0	16.7		13,652	3.00	14.4		10,239									
5.0	5.0	20.8		17,065	3.75	18.0		12,799									
6.0	6.0		14.4	20,478	4.50		12.5	15,359	6.0	7.2	20,478	5.52	6.9	18,840			
8.0	8.0	33.3		27,304	6.00	28.8		20,478									
9.0	9.0		21.7	30,717	6.75		18.7	23,038	9.0	10.8	30,717	8.28	10.4	28,260			
10.0	10.0	41.7		34,130	7.50	36.1		25,598									
15.0	15.0	62.5	36.1	51,195	11.25	54.1	31.2	38,396	15.0	18.0	51,195	13.80	17.3	47,099			
18.0	18.0		43.3	61,434	13.50		37.5	46,076	18.0	21.7	61,434	16.56	20.8	56,519			
20.0	20.0	83.3		68,260	15.00	72.1		51,195									

(1) These electric heaters are available in 230/208V units only.  
 (2) These electric heaters are available in 480V units only.

## Heater Packages - Field Installed "A" Series Right-Hand Units

- Designed for adding Electric Heat to 0 KW Units
- ETL US & Canada Listed
- Circuit Breaker Standard on 230/208V Models
- Toggle Disconnect Standard on 460V Models

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
J18AA	EHWA02-A05B EHW02A-A08B EHWA02A-A10B	5 8 10	N/A		N/A	
J24AA	EHWA24A-A04B EHWA02-A05B EHW02A-A08B EHWA02A-A10B	4 5 8 10	EHWA24-B06B	6	EHWH24B-C06	6
J30AA	EHWA03-A05B EHWA03-A08B EHWA03-A10B EHWA03-A15B	5 8 10 15	EHWA03-B06B EHWA03-B09B EHWA37-B15B	6 9 15	EHWC03A-C06 EHWC03A-C09 EHWA03A-C12 EHWA03A-C15	6 9 12 15
J36AA	EHWA03-A05B EHWA03-A08B EHWA03-A10B EHWA03-A15B	5 8 10 15	EHW36A-B06B EHWA03-B09B EHWA37-B15B	6 9 15	EHWC03A-C06 EHWC03A-C09 EHWA03A-C12 EHWA03A-C15	6 9 12 15
J42AA J48AA	EHW4TA-A05 ① EHWA05-A10B ① EHWA05-A15B EHWA05-A20B	5 10 15 20	EHWA05-B09B ① EHWA05-B15B EHW4TA-B18 ①	9 15 18	EHW4TA-C09 ① EHW4TA-C15	9 15
J60AA	EHW5TA-A05 ① EHWA05-A10B ① EHWA05-A15B EHWA05-A20B	5 10 15 20	EHW60A-B09B ① EHWA05-B15B ① EHW5TA-B18 ①	9 15 18	EHW4TA-C09 ① EHW4TA-C15	9 15
J72AA	EHW5TA-A05 EHWA05-A10 EHWA05-A15 EHWA05-A20	5 10 15 20	EHW70A-B09B EHWA05-B15B EHW6TA-B18	9 15 18	EHWA05A-C09 EHW4TA-C15	9 15

**NOTE:** Field installed Heater Packages are not approved for use with top supply opening models.

① These heater packages approved for use in dehumidification versions with hot gas reheat.

## Heater Packages - Field Installed "L" Series Left-Hand Units

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
J18LA	EHWA02A-A05LB EHW02A-A08LB EHWA02-A10LB	5 8 10	N/A		N/A	
J24LA	EHWA02A-A05LB EHW02A-A08LB EHWA02-A10LB	5 8 10	EHWA24-B06LB	6	N/A	
J30LA	EHWA03-A05LB EHWA03-A08LB EHWA03-A10LB EHWA03-A15LB	5 8 10 15	EHWA03-B09LB EHWA37-B15LB	9 15	EHWC03-C09L EHWA03-C15L	9 15
J36LA	EHWA03-A05LB EHWA03-A10LB EHWA03-A15LB	5 10 15	EHWA03-B09LB EHWA37-B15LB	9 15	EHWC03-C09L EHWA03-C15L	9 15
J42LA J48LA	EHW4TA-A05L EHWA05-A10LB EHWA05-A15LB	5 10 15	EHWA05-B09LB EHWA05-B15LB	9 15	EHW4TA-C09L EHW4TA-C15L	9 15
J60LA	EHW4TA-A05L EHWA05-A10LB EHWA05-A15LB	5 10 15	EHWA60-B09LB EHWA05-B15LB	9 15 18	EHW4TA-C09L EHW4TA-C15L	9 15
J72LA	EHW6TA-A05L EHWA05-A10L EHWA05-A15L	5 10 15	EHW70A-B09L EHWA05-B15L	9 15	EHW4TA-C09L EHW4TA-C15L	9 15

### Clearances Required for Service Access and Adequate Condenser Inlet Airflow

MODELS	LEFT SIDE	RIGHT SIDE
J18AA, J24AA, J30AA, J36AA	15"	20"
J42AA, J48AA, J60AA, J72AA	20"	20"

**NOTE:** For side-by-side installation of two (2) JA models, there must be 20" between units. This can be reduced to 15" by using a JL model (left side compressor and controls) for the left unit and JA (right side compressor and controls) for right unit.

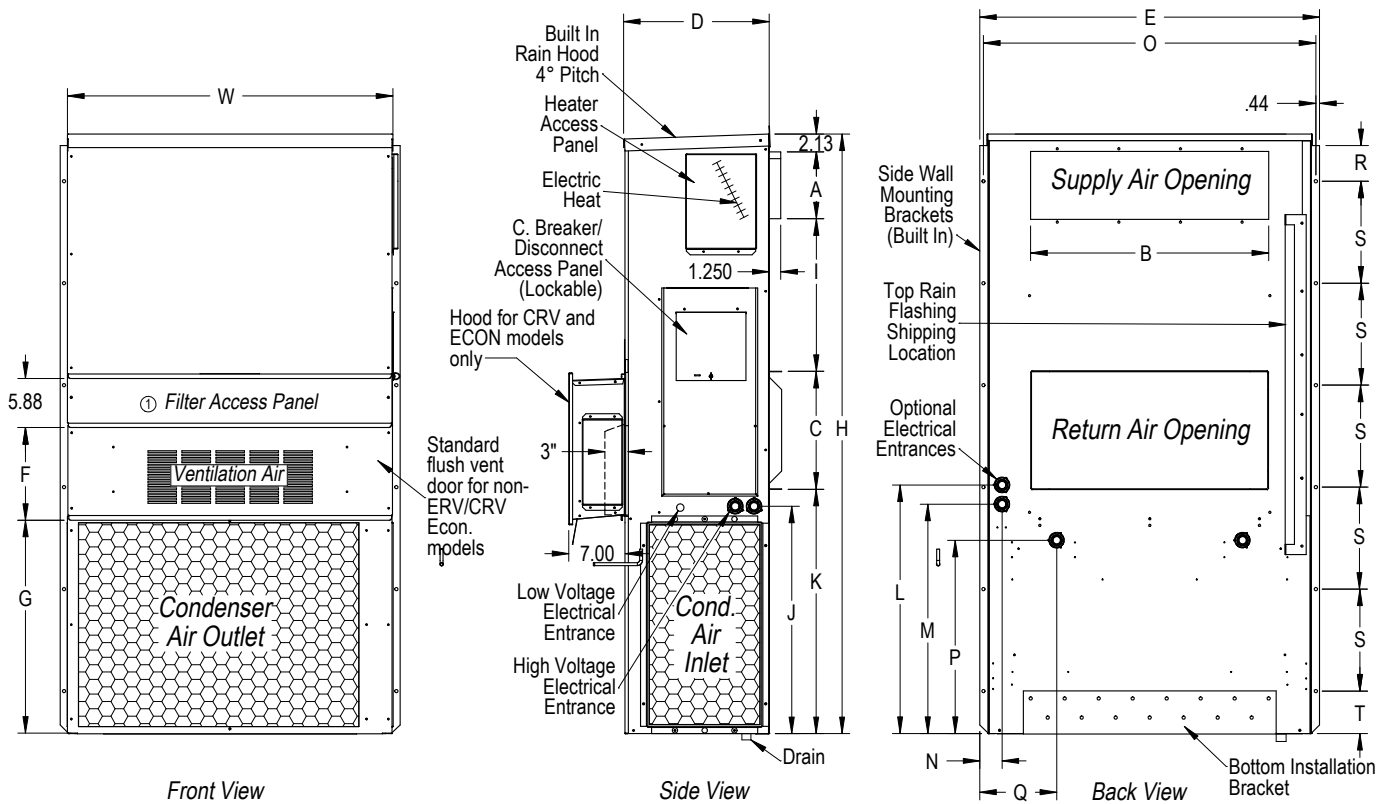
### Minimum Clearances Required to Combustible Materials

MODELS ①	SUPPLY AIR DUCT FIRST THREE FEET	CABINET
J18AA, J24AA	0"	0"
J30AA, J36AA	1/4"	0"
J42AA, J48AA, J60AA, J72AA	1/4"	0"

① Refer to the Installation Manual for more detailed information.

### Dimensions of J18-72AA Basic Unit for Architectural & Installation Requirements (Nominal)

MODEL	WIDTH (W)	DEPTH (D)	HEIGHT (H)	SUPPLY		RETURN																
				A	B	C	B	E	F	G	I	J	K	L	M	N	O	P	Q	R	S	T
J18AA J24AA	33.300	17.125	74.563	7.88	19.88	11.88	19.88	35.00	10.88	29.75	20.56	30.75	32.06	33.25	31.00	2.63	34.13	26.06	10.55	4.19	12.00	9.00
J30AA J36AA	38.200	17.125	74.563	7.88	27.88	13.88	27.88	40.00	10.88	29.75	17.93	30.75	32.75	33.25	31.00	2.75	39.13	26.75	9.14	4.19	12.00	9.00
J42AA J48AA	42.075	22.432	84.875	9.88	29.88	15.88	29.88	43.88	13.56	31.66	30.00	32.68	26.94	34.69	32.43	3.37	43.00	23.88	10.00	1.44	16.00	1.88
J60AA J72AA	42.075	22.432	93.000	9.88	29.88	15.88	29.88	43.88	13.56	37.00	30.00	40.81	35.06	42.81	40.56	3.37	43.00	31.00	10.00	1.44	16.00	10.00



MIS-3796

① Not used when WECO Economizers installed. Filter access is through the WECO hood.



### Clearances Required for Service Access and Adequate Condenser Inlet Airflow

MODELS	LEFT SIDE	RIGHT SIDE
J18LA, J24LA, J30LA, J36LA	15"	20"
J42LA, J48LA, J60LA, J70LA	20"	20"

**NOTE:** For side-by-side installation of two (2) JL models, there must be 20" between units. This can be reduced to 15" by using a JL model (left side compressor and controls) for the left unit and JA (right side compressor and controls) for right unit.

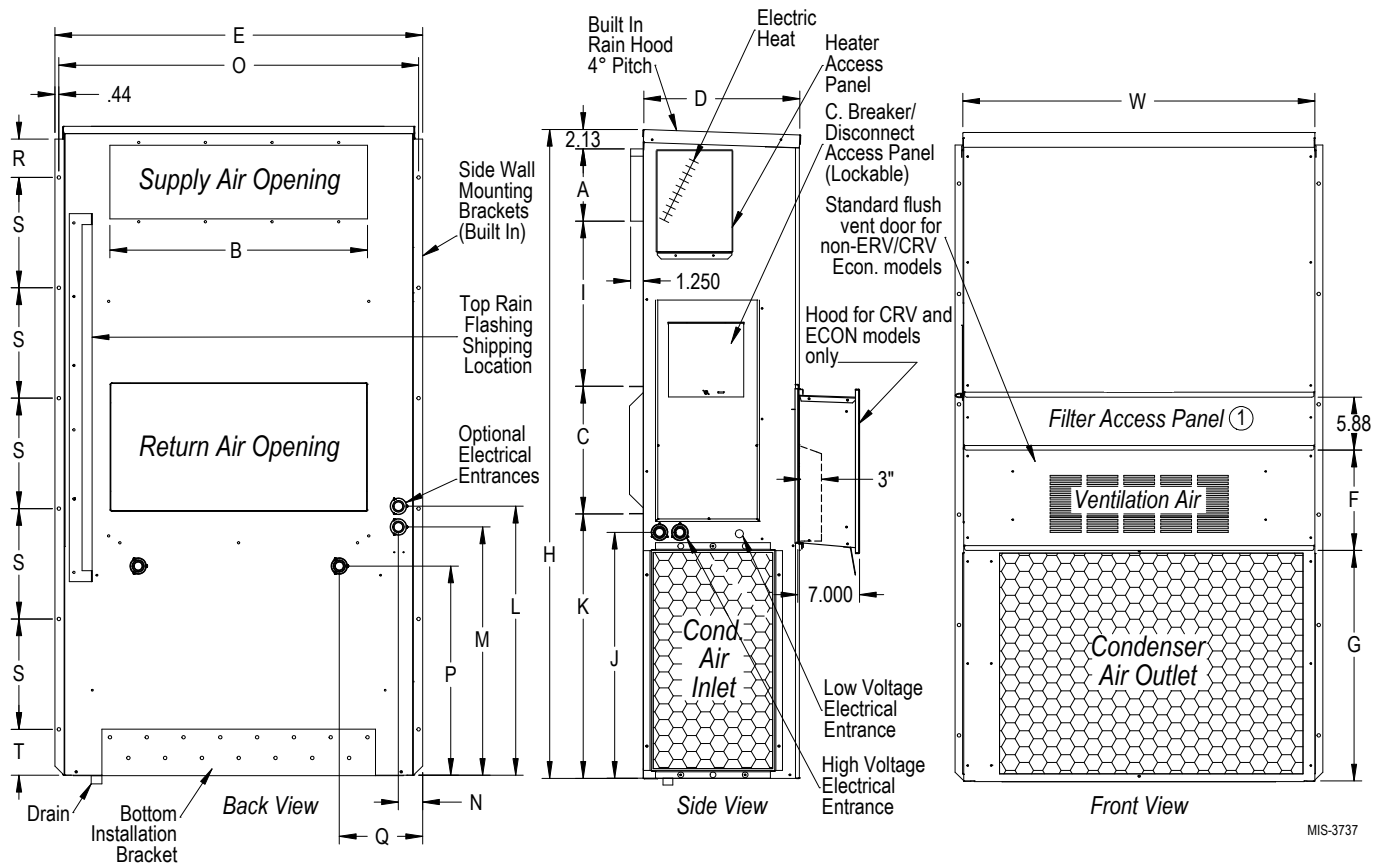
### Minimum Clearances Required to Combustible Materials

MODELS ①	SUPPLY AIR DUCT FIRST THREE FEET	CABINET
J18LA, J24LA	0"	0"
J30LA, J36LA	1/4"	0"
J42LA, J48LA, J60LA, J70LA	1/4"	0"

① Refer to the Installation Manual for more detailed information.

### Dimensions of J18-72LA Basic Unit for Architectural & Installation Requirements (Nominal)

MODEL	WIDTH (W)	DEPTH (D)	HEIGHT (H)	SUPPLY		RETURN																
				A	B	C	B	E	F	G	I	J	K	L	M	N	O	P	Q	R	S	T
J18LA J24LA	33.300	17.125	74.563	7.88	19.88	11.88	19.88	35.00	10.88	29.75	20.56	30.75	32.06	33.25	31.00	2.63	34.13	26.06	10.55	4.19	12.00	9.00
J30LA J36LA	38.200	17.125	74.563	7.88	27.88	13.88	27.88	40.00	10.88	29.75	17.93	30.75	32.75	33.25	31.00	2.75	39.13	26.75	9.14	4.19	12.00	9.00
J42LA J48LA	42.075	22.432	84.875	9.88	29.88	15.88	29.88	43.88	13.56	31.66	30.00	32.68	26.94	34.69	32.43	3.37	43.00	23.88	10.00	1.44	16.00	1.88
J60LA J72LA	42.075	22.432	93.000	9.88	29.88	15.88	29.88	43.88	13.56	37.00	30.00	40.81	35.06	42.81	40.56	3.37	43.00	31.00	10.00	1.44	16.00	10.00



MIS-3737

① Not used when WECO Economizers installed. Filter access is through the WECO hood.

## Cooling Application Data - Outdoor Temperature ①

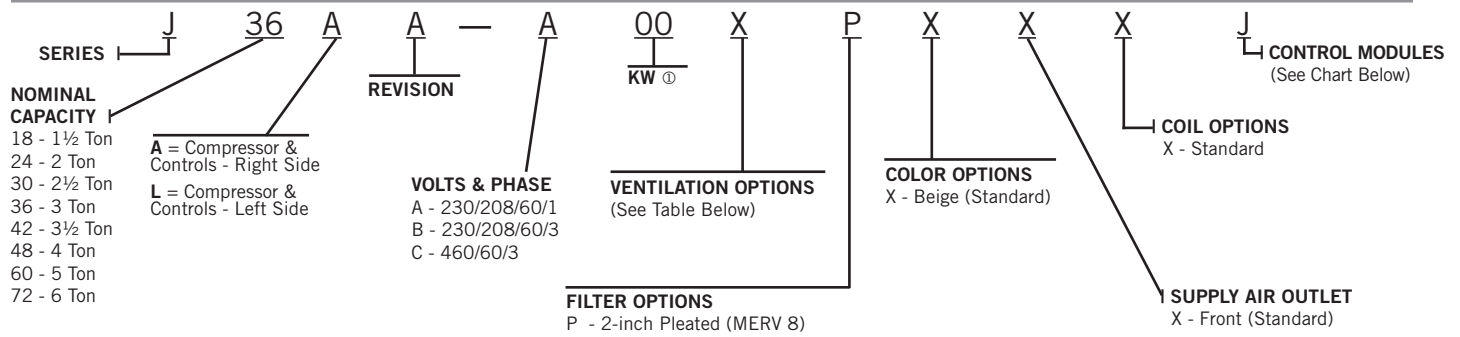
Model	Return Air (DB/WB) ②	Cooling Capacity	75°F	80°F	85°F	90°F	95°F	100°F	105°F	110°F	115°F	120°F	125°F
J18	75/62	Total Cooling	17400	16700	16200	15500	14800	14300	13600	12900	12300	11700	11000
		Sensible Cooling	13900	13700	13600	13400	13200	13000	12800	12500	12100	11600	11000
	80/67	Total Cooling	18500	18200	17900	17500	17000	16600	16000	15400	14800	14100	13300
		Sensible Cooling	13400	13400	13400	13400	13300	13200	13100	12900	12600	12400	12000
	85/72	Total Cooling	22100	21300	20600	19800	18900	18200	17300	16400	15600	14700	13700
		Sensible Cooling	13800	13600	13500	13300	13100	12800	12500	12100	11600	11200	10700
J24	75/62	Total Cooling	28100	26000	24100	22400	20900	19800	18800	18000	17300	16900	16600
		Sensible Cooling	22100	20600	19400	18400	17600	16900	16500	16200	16000	16000	15900
	80/67	Total Cooling	30000	28300	26700	25300	24600	23000	22100	21400	20800	20400	20200
		Sensible Cooling	21400	20200	19200	18400	17700	17200	16900	16700	16600	16700	17000
	85/72	Total Cooling	35800	33100	30700	28600	26700	25200	23900	22800	21900	21200	20800
		Sensible Cooling	21900	20500	19300	18300	17400	16700	16100	15700	15300	15100	15100
J30	75/62	Total Cooling	32500	30800	29100	27600	26100	24900	23700	22600	21500	20600	19600
		Sensible Cooling	24500	23600	22800	22100	21400	20900	20400	19900	19500	19200	18900
	80/67	Total Cooling	34700	33500	32300	31200	30000	29000	27900	26900	25800	24900	23900
		Sensible Cooling	23700	23100	22600	22100	21600	21200	20900	20500	20300	20100	19900
	85/72	Total Cooling	41400	39200	37100	35300	33400	31700	30100	28600	27100	25900	24600
		Sensible Cooling	24300	23500	22700	22000	21200	20500	19900	19200	18700	18200	17600
J36	75/62	Total Cooling	39500	37300	35200	33500	31800	30400	29100	27900	26900	26000	25200
		Sensible Cooling	29100	28100	27200	26300	25600	25000	24400	23900	23600	23200	22900
	80/67	Total Cooling	42100	40600	39100	37800	36400	35400	34300	33300	32300	31500	30700
		Sensible Cooling	28200	27500	26900	26300	25800	25400	25000	24700	24500	24300	24100
	85/72	Total Cooling	50200	47500	44900	42700	40600	38700	37000	35500	34000	32800	31600
		Sensible Cooling	28900	27900	27000	26100	25300	24600	23900	23200	22600	22000	21300
J42	75/62	Total Cooling	43600	41600	39700	38000	36200	34500	32900	31300	29800	28300	26900
		Sensible Cooling	34000	33200	32200	31400	30600	29900	29200	28600	27900	27300	26700
	80/67	Total Cooling	46500	45300	44100	42900	41500	40200	38800	37300	35800	34300	32700
		Sensible Cooling	33000	32500	31900	31400	30900	30400	29900	29500	29000	28600	28100
	85/72	Total Cooling	55400	53000	50700	48500	46100	44000	41900	39700	37600	35700	33700
		Sensible Cooling	33800	33000	32100	31200	30300	29400	28500	27700	26700	25900	24900
J48	75/62	Total Cooling	50500	48200	46000	43900	41800	39900	38000	36100	34400	32700	31000
		Sensible Cooling	38700	37800	36900	35900	35100	34200	33400	32500	31700	31000	30100
	80/67	Total Cooling	53900	52500	51100	49600	48000	46500	44800	43100	41400	39600	37800
		Sensible Cooling	37500	37000	36500	35900	35400	34800	34200	33600	33000	32400	31700
	85/72	Total Cooling	64200	61400	58700	56000	53300	50900	48300	45900	43500	41200	38900
		Sensible Cooling	38400	37600	36700	35700	34700	33700	32600	31500	30400	29300	28100
J60	75/62	Total Cooling	65500	61900	58400	55000	51800	48800	45900	43100	40500	37900	35300
		Sensible Cooling	49600	48200	46800	45300	43900	42500	41000	39600	38300	36800	35300
	80/67	Total Cooling	69900	67400	64800	62200	59000	56900	54200	51400	48700	45900	43000
		Sensible Cooling	48100	47200	46300	45300	44300	43200	42100	40900	39800	38500	37300
	85/72	Total Cooling	83300	78800	74400	70200	66100	62200	58400	54700	51200	47700	44200
		Sensible Cooling	49300	47900	46500	45000	43500	41800	40100	38400	36700	34800	33000
J72	75/62	Total Cooling	73800	70800	67800	64800	61800	59000	56100	53200	50400	47600	44800
		Sensible Cooling	55500	54000	52400	51000	49500	48200	46900	45600	44400	43200	42000
	80/67	Total Cooling	78800	77100	75300	73200	71000	68700	66200	63500	60700	57700	54600
		Sensible Cooling	53800	52900	51900	51000	50000	49100	48100	47100	46200	45200	44200
	85/72	Total Cooling	93900	90100	86500	82600	78900	75100	71400	67600	63800	60000	56200
		Sensible Cooling	55100	53700	52100	50700	49000	47500	45800	44200	42600	40800	39100

① Below 65°F (18.3C), unit requires a factory or field installed low ambient control.

② Return air temperature.

Capacity Multiplier Factors			
% of Rated Airflow	-10	Rated	+10
Total BTUH	0.975	1.0	1.02
Sensible BTUH	0.950	1.0	1.05

# Air Conditioning Wall-Mount Model Nomenclature



① For OKW and circuit breakers (230/208 Volt) or toggle disconnects (460 Volt) applications, insert OZ in the KW field of the model number. See Pages 4 & 5 for available Factory Installed KW options and Page 7 for Field Installed Heater Packages.

## Ventilation Options

Models	J18AA, J24AA J18LA, J24LA		J30AA, J36AA J30LA, J36LA		J42AA, J48AA, J60AA, J72AA J42LA, J48LA, J60LA, J72LA	
	Factory Installed Code No.	Field Installed Part No.	Factory Installed Code No.	Field Installed Part No.	Factory Installed Code No.	Field Installed Part No.
Barometric Fresh Air Damper - Standard	X	BFAD-2	X	BFAD-3	X	BFAD-5
Economizer w/Plug, Temp Only (7" Hood)	Y	WECOPT2-X	Y	WECOPT3-X	Y	WECOPT5-X
Economizer w/Plug, Enthalpy (7" Hood)	Z	WECOPE2-X	Z	WECOPE3-X	Z	WECOPE5-X

## Air Conditioning Control Modules

Air Conditioning Control Modules							All Models Except As Noted	
HPC ①	LPC ②	CCM ③	LAC ④	ALR ⑤	SK ⑥	SK ⑦	Factory Installed Code	Field Installed Part
STD	STD	STD	•	•			J	Factory Only
STD	STD	STD			•		Field Installed Only	CMC-15
STD	STD	STD				•	Field Installed Only	SK111 Except J60 & J72 SK121 J72 Only SK122 J60 Only

STD = Standard equipment for these specified models.

- ① HPC. High pressure control is auto reset. Always used with compressor control module (CCM) which is included. See note ③.
- ② LPC. Low pressure control is auto reset. Always used with compressor control module (CCM) which is included. See note ③.
- ③ CCM. Compressor control module has adjustable 30-second to 5-minute delay-on-break timer. On initial power-up, or any time the power is interrupted, the delay-on-make will be 2-minutes plus 10% of the delay-on-break setting. There is no delay-on-make during routine operation of the unit. The module also provides the lockout feature (with 1 retry) for high and/or low pressure controls, and a 2-minute timed bypass for low-pressure control.
- ④ LAC. Low ambient control permits cooling operation down to 0°F. LAC is fan-cycling control for outdoor fan motor on all models.
- ⑤ ALR. 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 high or low pressure controls.
- ⑥ SK. PTCR start kit can be used with all -A single phase models. Increases starting torque 2-3x. Not used for -B or -C three phase models. Do not use if SK111 or SK121 is used.
- ⑦ SK. Start capacitor & potential relay start kit can be used with all -A single phase models. Increases starting torque 9x. Not used for -B or -C three phase models. Do not use if CMC-15 is used.



**Due to our continuous product improvement policy, all specifications subject to change without notice.**

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

**Form No.  
S3515  
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