



# *Product Guide*

Wallmount

Air Conditioners & Heat Pumps



- *All Major Components can be Accessed from the Front*
- *1000 Hour Salt Spray rated powder coated baked paint finish*
- *AHRI certified*
- *High/ low pressure switches*
- *R410A Refrigerant*
- *Barometric damper*
- *16 gauge galvanized steel*
- *Expansion valves are standard on H series heat pumps, TV & TH series, SV & SH series*
- *Flow raters and pistons are standard on V series*
- *Built-in Circuit Breaker (Disconnect on 460 volt models)*
- *1" air filter*
- *Mesa Tan color*
- *Scroll compressors*
- *Phase Monitors on 3 phase units*
- *Made in USA*



See Descriptions on Pages 10, 11, 12

- *Fresh Air Options*
  - Economizer*
  - Powered Room Ventilator (PRV)*
  - Energy Recovery Ventilator (ERV) available on S & T models only*
- *Low Ambient Package*
- *Sound Attenuation Module (SAM)*
- *Lead lag Controller*
- *Coated Coils*
- *2" Pleated Filters*
- *Return & Supply Grilles*
- *White, Gray Cabinet Colors*
- *Digital Thermostat*
- *3 Ton Back plate for 4 & 5 ton models*
- *Electric Heat Strips*

# 9 EER

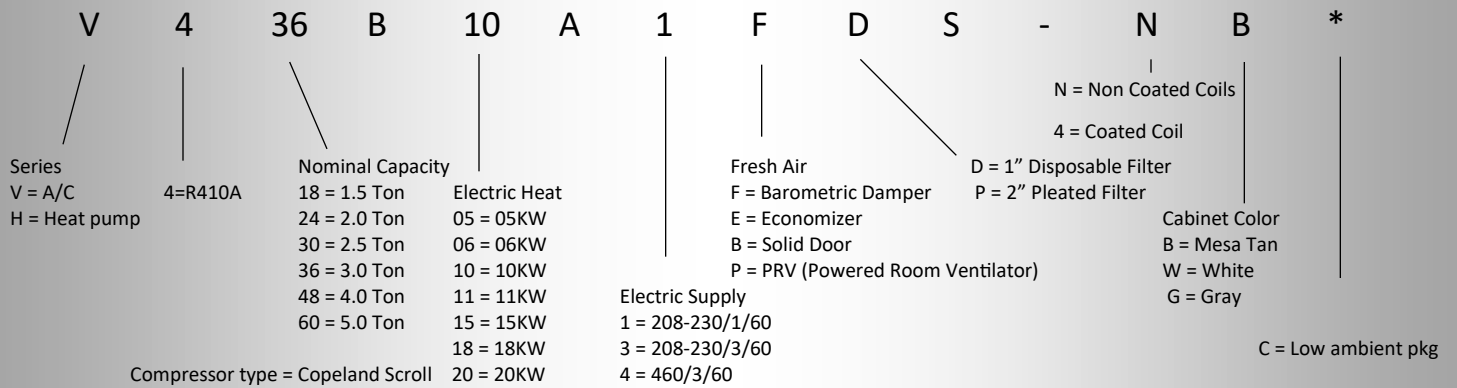
## V Series Air Conditioners

## H Series Heat Pumps

- Efficiency ratings from 9 EER & 3.0 COP
- Available sizes: 1.5 to 5.0 ton Air Conditioners, 2.0 to 5.0 ton Heat Pumps
- 5 year limited warranty on parts and compressor



Eubank Wallmount Model Key



### V Series Air Conditioners 9 EER

Model	Cooling Capacity	Volt/Phase/Hertz	Weight Shipping/Net
V418B**A1	16,000	208-230/1/60	282/205
V424B**A1	23,600	208-230/1/60	282/205
V430B**A1	29,400	208-230/1/60	349/321
V430B**A3	29,400	208-230/3/60	349/321
V436B**A1	35,000	208-230/1/60	352/324
V436B**A3	35,000	208-230/3/60	352/324
V436B**A4	35,000	460/3/60	352/324
V448B**A1	44,000	208-230/1/60	494/450
V448B**A3	44,000	208-230/3/60	494/450
V448B**A4	44,000	460/3/60	494/450
V460B**A1	55,000	208-230/1/60	525/515
V460B**A3	55,000	208-230/3/60	525/515
V460B**A4	55,000	460/3/60	525/515

See Complete Specifications on Pages 16 to 19



### V Series Electric Heaters & AC Unit Combinations for 9 EER

Voltage	Size	Part Number	*Amps	* BTU Output	18	24	30	36	48	60
230/1/60	5 kW	EGA05B1-AC	20.8	17,000	X	X	X	X	X	X
	10 kW	EGA10B1-AC	41.6	34,000	X	X	X	X	X	X
	15 kW	EGH15B1-AC	62.5	51,000				X	X	X
	20 kW	EGH20B1-AC	83	68,000					X	X
230/3/60	6 kW	EGH06B3-AC	14.4	20,000		X	X	X	X	X
	9 kW	EGH09B3-AC	21.7	31,000		X	X	X	X	X
	15 kW	EGH15B3-AC	36	51,000				X	X	X
	18 kW	EGH18B3-AC	43.3	61,000					X	X
460/3/60	6 kW	EGH06D4-AC	7.2	20,000				X	X	X
	9 kW	EGH09D4-AC	10.8	31,000				X	X	X
	15 kW	EGH15D4-AC	18.0	51,000					X	X

### H Series Heat Pumps 9 EER

Model	Cooling Capacity	Heating Capacity	Volt/Phase/Hertz	Weight Shipping/Net
H424B**A1	23,600	23,000	208-230/1/60	282/205
H430B**A1	29,400	28,000	208-230/1/60	349/321
H430B**A3	29,400	28,000	208-230/3/60	349/321
H436B**A1	35,000	34,000	208-230/1/60	352/324
H436B**A3	35,000	34,000	208-230/3/60	352/324
H436B**A4	35,000	34,000	460/3/60	352/324
H448B**A1	44,000	45,000	208-230/1/60	494/450
H448B**A3	44,000	45,000	208-230/3/60	494/450
H448B**A4	44,000	45,000	460/3/60	494/450
H460B**A1	55,000	54,000	208-230/1/60	525/515
H460B**A3	55,000	54,000	208-230/3/60	525/515
H460B**A4	55,000	54,000	460/3/60	525/515

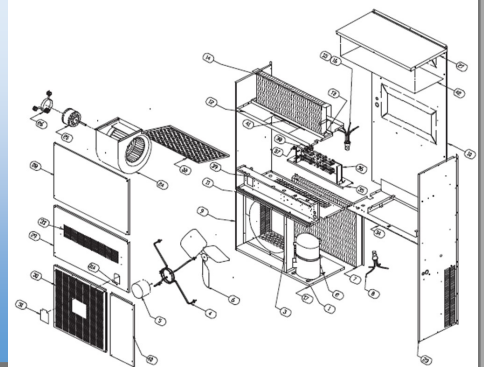
### H Series Electric Heaters & Heat Pump Unit Combinations

Voltage	Size	Part Number	*Amps	*BTU Output	24	30	36	48	60
230/1/60	5 kW	EGH05B1-HP	20.8	17,000	X	X	X	X	X
	10 kW	EGH10B1-HP	41.6	34,000	X	X	X	X	X
230/3/60	6 kW	EGH06B3-HP	14.4	20,000	X	X	X	X	X
	9 kW	EGH09B3-HP	21.7	31,000	X	X	X	X	X
460/3/60	6 kW	EGH06D4-HP	7.2	20,000		X	X	X	X
	9 kW	EGH09D4-HP	10.8	31,000		X	X	X	X

\* BTU output and current based on 240 volts for 208-230 volts models and 480 volts for 460 volts models. \* BTU multiplier for 230 volts operation—multiply the listed output by 0.92; for 208 volts operation multiply by 0.75; for 460 volts operation multiply by 0.92. \* Current multiplier—for 230 volts operation multiply by 0.96; for 208 volts operation multiply by 0.87; for 460 volts operation multiply by 0.96.

**Easiest to Service!**

**Condenser Coil is in the Back!**



See Complete Specifications on Pages 16 to 19

# High Efficiency T Series

## TV Series Air Conditioners

## TH Series Heat Pumps

- High Efficiency ratings up to 14 IPLV, 10+ EER & 3.0 COP
- Available sizes: 3.0 to 5.0 ton Air Conditioners & Heat Pumps
- 5 year limited warranty on parts and compressor



### NOMENCLATURE

**TV 36 S 10 - FB - 00**

#### MODEL SERIES

TV = AIR CONDITIONER 10+ EER SERIES  
 TH = HEAT PUMP 10+ EER SERIES  
 SV = AIR CONDITIONER LOW SOUND SERIES  
 SH = HEAT PUMP LOW SOUND SERIES

#### NOMINAL COOLING CAPACITY

36 = 36,000 BTU/H NOMINAL

#### ELECTRICAL SERVICE

S = 208-230/1/60  
 T = 208-230/3/60  
 D = 460/3/60

#### ELECTRIC STRIP HEATER

10 = 10 kW

#### Options Codes

C = Low ambient kit  
 B = Mesa Tan cabinet color (Std)  
 G = Grey cabinet color  
 W = White cabinet color  
 FRESH AIR  
 F = BAROMETRIC DAMPER (Std)  
 E = ECONOMIZER  
 B = SOLID DOOR  
 P = PRV - Powered Room Ventilator  
 V = ERV - Energy Recovery Ventilator  
 2 = Coated cond coil  
 P = MERV 8 filter  
 S = 2 step compressor

### TV Series Air Conditioners 10 EER

Model	IPLV w/ 2 Step Compressor	Cooling Capacity	Volt/Phase/Hertz	Weight Shipping/Net
TV36S**	14	33,000	208-230/1/60	370/350
TV36T**	14	33,000	208-230/3/60	370/350
TV36D**	14	33,000	460/3/60	370/350
TV48S**	13.9	44,000	208-230/1/60	515/500
TV48T**	13.8	44,000	208-230/3/60	515/500
TV48D**	13.8	44,000	460/3/60	515/500
TV60S**	12	55,000	208-230/1/60	520/500
TV60T**	12	55,000	208-230/3/60	520/500
TV60D**	12	55,000	460/3/60	520/500

See Complete Specifications on Pages 20 to 23





### TV Series Electric Heaters & AC Unit Combinations 10 EER

Voltage	Size	Part Number	*Amps	* BTU Output	36	48	60
230/1/60	5 kW	ETA1-05	20.8	17,000	X	X	X
	10 kW	ETA1-10	41.6	34,000	X	X	X
	15 kW	ETA1-15	62.5	51,000	X	X	X
	20 kW	ETA1-20	83	68,000		X	X
230/3/60	6 kW	ETA3-06	14.4	20,000	X	X	X
	9 kW	ETA3-09	21.7	31,000	X	X	X
	15 kW	ETA3-15	36	51,000	X	X	X
	18 kW	ETA3-18	43.3	61,000		X	X
460/3/60	6 kW	ETA4-06	7.2	20,000	X	X	X
	9 kW	ETA4-09	10.8	31,000	X	X	X
	15 kW	ETA4-15	18.0	51,000	X	X	X

### TH Series Heat Pumps 10 EER

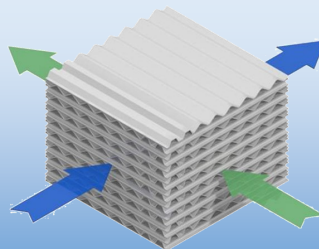
Model	Cooling Capacity	Heating Capacity	Volt/Phase/Hertz	Weight Shipping/Net
TH36S**	33,000	24,400	208-230/1/60	380/360
TH36T**	33,000	24,400	208-230/3/60	380/360
TH36D**	33,000	24,400	460/3/60	380/360
TH48S**	44,000	44,000	208-230/1/60	525/510
TH48T**	44,000	44,000	208-230/3/60	525/510
TH48D**	44,000	44,000	460/3/60	525/510
TH60S**	55,000	52,000	208-230/1/60	530/510
TH60T**	55,000	52,000	208-230/3/60	530/510
TH60D**	55,000	52,000	460/3/60	530/510

### TH Series Electric Heaters & Heat Pump Unit Combinations 10 EER

Voltage	Size	Part Number	*Amps	*BTU Output	36	48	60
230/1/60	5 kW	ETA1-05-HP	20.8	17,000	X	X	X
	10 kW	ETA1-10-HP	41.6	34,000	X	X	X
230/3/60	6 kW	ETA3-06	14.4	20,000	X	X	X
	9 kW	ETA3-09	21.7	31,000	X	X	X
460/3/60	6 kW	ETA4-06	7.2	20,000	X	X	X
	9 kW	ETA4-09	10.8	31,000	X	X	X

\* BTU output and current based on 240 volts for 208-230 volts models and 480 volts for 460 volts models. \* BTU multiplier for 230 volts operation—multiply the listed output by 0.92; for 208 volts operation multiply by 0.75; for 460 volts operation multiply by 0.92. \* Current multiplier—for 230 volts operation multiply by 0.96; for 208 volts operation multiply by 0.87; for 460 volts operation multiply by 0.96.

**ENERGY  
RECOVERY  
VENTILATOR**



**FOR 10+ EER  
EUBANK  
UNITS**

Pre-Conditions Fresh Air Using Exhaust Air

See Complete Specifications on Pages 20 to 23

**Eubank**<sup>®</sup>  
AIRXCEL™, Inc.

# High Efficiency Low Sound S Series

## SV Series Air Conditioners

## SH Series Heat Pumps

- High Efficiency ratings up to 14 IPLV, 10+ EER & 3.0 COP
- Available sizes: 3.0, 4.0 & 5.0 ton Air Conditioners & Heat Pumps
- 5 year limited warranty on parts and compressor



### NOMENCLATURE

**SV 36 S 10 - FB - 00**

#### MODEL SERIES

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 TH = HEAT PUMP 10+ EER SERIES  
 SV = AIR CONDITIONER LOW SOUND SERIES  
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#### NOMINAL COOLING CAPACITY

36 = 36,000 BTU/H NOMINAL

#### ELECTRICAL SERVICE

S = 208-230/1/60  
 T = 208-230/3/60  
 D = 460/3/60

#### ELECTRIC STRIP HEATER

10 = 10 kW

#### Options Codes

B= Mesa Tan cabinet color (Std)  
 G= Grey cabinet color  
 W= White cabinet color  
 C = Low ambient kit  
 2= Coated cond coil  
 P = MERV 8 filter  
**FRESH AIR**  
 F = BAROMETRIC DAMPER (Std)  
 E = ECONOMIZER  
 B = SOLID DOOR  
 P = PRV - Powered Room Ventilator  
 V = ERV—Energy Recovery Ventilator

### SV Series Air Conditioners 10 EER

Model	IPLV	Cooling Capacity	Volt/Phase/Hertz	Weight Shipping/Net
SV36S**	14	33,000	208-230/1/60	535/515
SV36T**	14	33,000	208-230/3/60	535/515
SV36D**	14	33,000	460/3/60	535/515
SV48S**	13.8	44,000	208-230/1/60	710/695
SV48T**	13.8	44,000	208-230/3/60	710/695
SV48D**	13.8	44,000	460/3/60	710/695
SV60S**	12	55,000	208-230/1/60	715/700
SV60T**	12	55,000	208-230/3/60	715/700
SV60D**	12	55,000	460/3/60	715/700

See Complete Specifications on Pages 24 to 27





### SV Series Electric Heaters & AC Unit Combinations 10 EER

Voltage	Size	Part Number	*Amps	* BTU Output	36	48	60
230/1/60	5 kW	ETA1-05	20.8	17,000	X	X	X
	10 kW	ETA1-10	41.6	34,000	X	X	X
	15 kW	ETA1-15	62.5	51,000	X	X	X
	20 kW	ETA1-20	83	68,000		X	X
230/3/60	6 kW	ETA3-06	14.4	20,000	X	X	X
	9 kW	ETA3-09	21.7	31,000	X	X	X
	15 kW	ETA3-15	36	51,000	X	X	X
	18 kW	ETA3-18	43.3	61,000		X	X
460/3/60	6 kW	ETA4-06	7.2	20,000	X	X	X
	9 kW	ETA4-09	10.8	31,000	X	X	X
	15 kW	ETA4-15	18.0	51,000	X	X	X

### SH Series Heat Pumps 10 EER

Model	Cooling Capacity	Heating Capacity	Volt/Phase/Hertz	Weight Shipping/Net
SH36S**	33,000	28,500	208-230/1/60	545/525
SH36T**	33,000	28,500	208-230/3/60	545/525
SH36D**	33,000	28,500	460/3/60	545/525
SH48S**	43,500	40,000	208-230/1/60	720/705
SH48T**	43,500	40,000	208-230/3/60	720/705
SH48D**	43,500	40,000	460/3/60	720/705
SH60S**	55,000	52,000	208-230/1/60	725/710
SH60T**	55,000	52,000	208-230/3/60	725/710
SH60D**	55,000	52,000	460/3/60	725/710

### SH Series Electric Heaters & Heat Pump Unit Combinations 10 EER

Voltage	Size	Part Number	*Amps	*BTU Output	36	48	60
230/1/60	5 kW	ETA1-05-HP	20.8	17,000	X	X	X
	10 kW	ETA1-10-HP	41.6	34,000	X	X	X
230/3/60	6 kW	ETA3-06	14.4	20,000	X	X	X
	9 kW	ETA3-09	21.7	31,000	X	X	X
460/3/60	6 kW	ETA4-06	7.2	20,000	X	X	X
	9 kW	ETA4-09	10.8	31,000	X	X	X

\* BTU output and current based on 240 volts for 208-230 volts models and 480 volts for 460 volts models. \* BTU multiplier for 230 volts operation—multiply the listed output by 0.92; for 208 volts operation multiply by 0.75; for 460 volts operation multiply by 0.92. \* Current multiplier—for 230 volts operation multiply by 0.96; for 208 volts operation multiply by 0.87; for 460 volts operation multiply by 0.96.



- ⇒ **World's Quietest Compact Wallmount by Eubank**
- ⇒ **Reduces Inside Sound by 30% or More\***
- ⇒ **Uses Same Wall Openings**
- ⇒ **Does Not take Indoor Space**

\* percentage reduction varies with site conditions

## SH SERIES

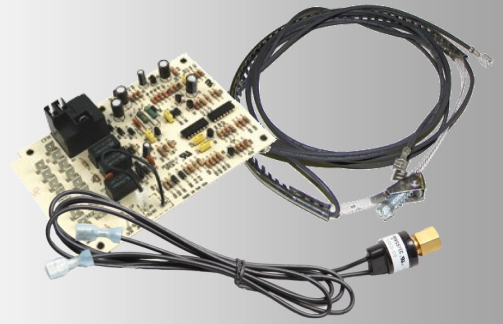
See Complete Specifications on Pages 24 to 27

**Eubank**<sup>®</sup>  
AIRXCEL™, Inc.

## Low Ambient Kit

Controls the head pressure in low outdoor temperature conditions. Head pressure is maintained to keep the low pressure high enough to avoid a freeze up on the evaporator coil. Kit includes pressure Switch, crankcase heater and a control board with alarm contacts

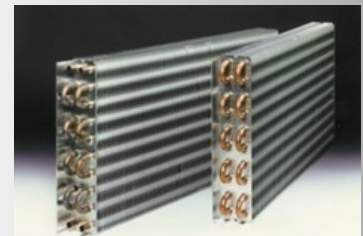
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## Coated Coils

Coils can be coated for protection against corrosive attack. For use in areas where chemicals are present or near salt water.

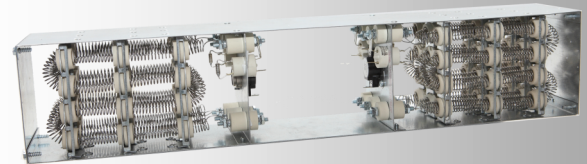
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## Electric Heaters

Heat strips are available factory installed or as a kit to install in the field. Models for AC & Heat Pump from 5KW. See heater and unit combinations tables for specific model

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## 2" Pleated Filters

Increase air filtration with a 2" pleated MERV 8 filter. Fits into the same space as the standard 1" disposable filter.

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## Supply Grilles & Return Filter Grilles

Exact fit inside grilles for Eubank AC & heat pump units. Available in white color only.

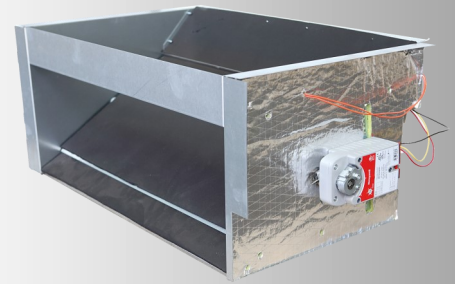
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## Fresh Air Options

### Powered Room Ventilator (PRV)

The PRV is designed to operate any time the indoor fan motor is energized. Circulates up to 100% fresh air into the indoor while exhausting air out.



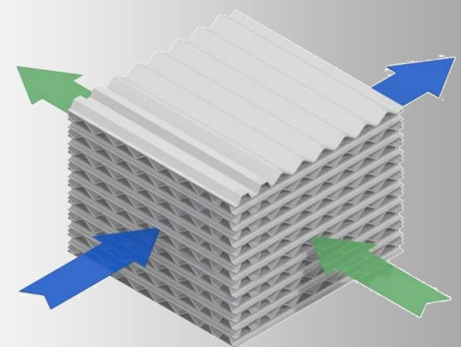
### Economizer

Automatically regulated economizer is designed to cool the indoor space with outdoor air without running compressor when outdoor conditions permit. Control is based on outside temperature & humidity. Capable of delivering 100% fresh air.



### Energy Recovery Ventilator (ERV) for 10 EER models only

Pre-conditions incoming fresh air with exhaust air to transfer heat and moisture to save energy. Fits inside Eubank 10 EER AC & Heat Pump models.



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## Lead-Lag Controllers

Available for AC units only, lead-lag controllers are designed to balance the operating run time between two AC units. To avoid down time on critical installations, two units each capable of providing 100% of the cooling are installed. The lead-lag controller operates one unit at a time sequencing their on & off times to prolong unit life.



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## Non-Programmable Digital Thermostat

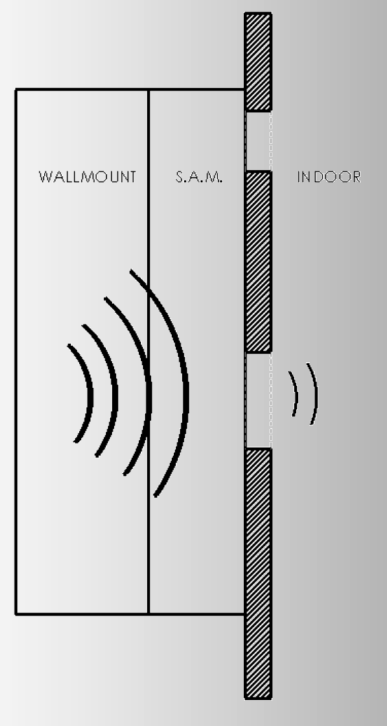
Simple to use digital non-programmable thermostat from Eubank can be configured for either auto changeover or manual operation. Lockout features protect the settings from being changed without a password. Thermostat is 24 VAC with an LCD display and a blue/green backlight. Dimensions are 6"W x 4"H x 1.5"D in white. Order 454329 for heat/cool or 454328 for heat pump.



## Sound Attenuation Module - (SAM)

Fits between wallmount units and the wall. Exclusive internal engineering design manages air direction attenuating and reducing the sound level from the unit to the inside space. Actual sound reduction ratios vary with application.

Optional for all Eubank V, H and T series wallmounts and fits many competitors' wallmounts that are 9 EER or less. SAM-A-01 for 3 ton or less, SAM-B-01 for 3.5 to 5 ton



## 3 Ton Back Plate for 4 & 5 Ton Models

Allows replacement of a 3 ton unit with a 4 or 5 ton unit without modifying existing wall openings. Back plate aligns the existing return and supply vents in the installation with a 4 or 5 ton unit.

## Optional Unit Colors

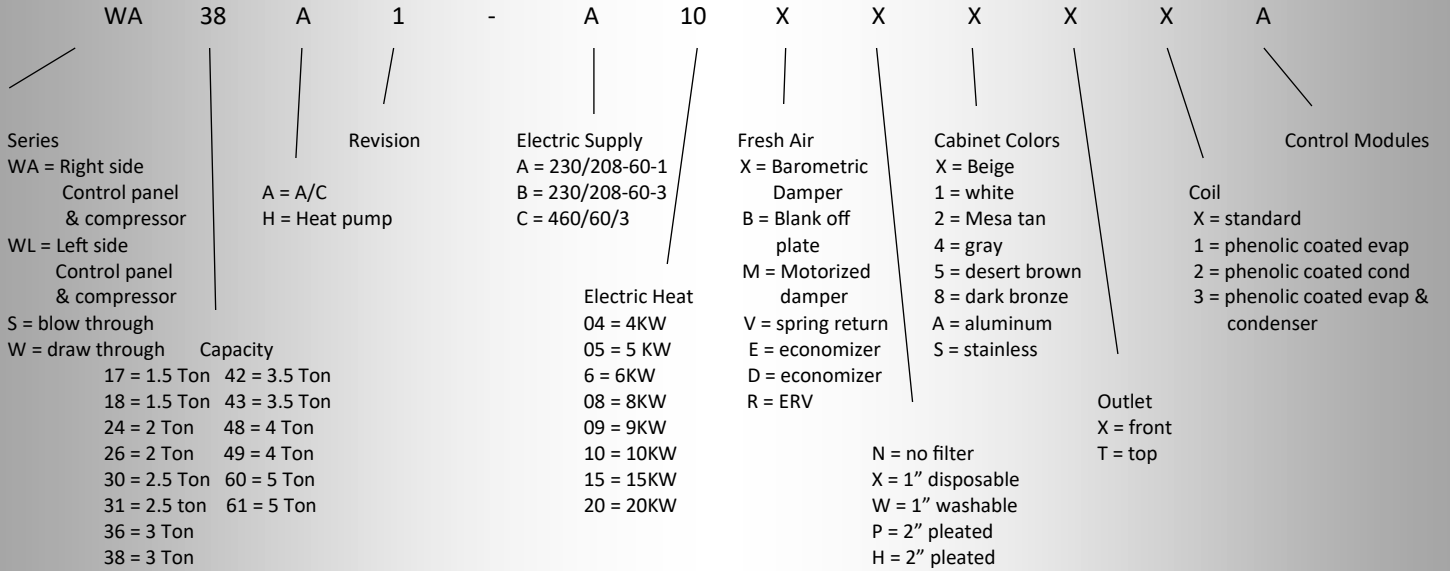
External unit color is available in optional white or gray color. Standard color is Mesa Tan.



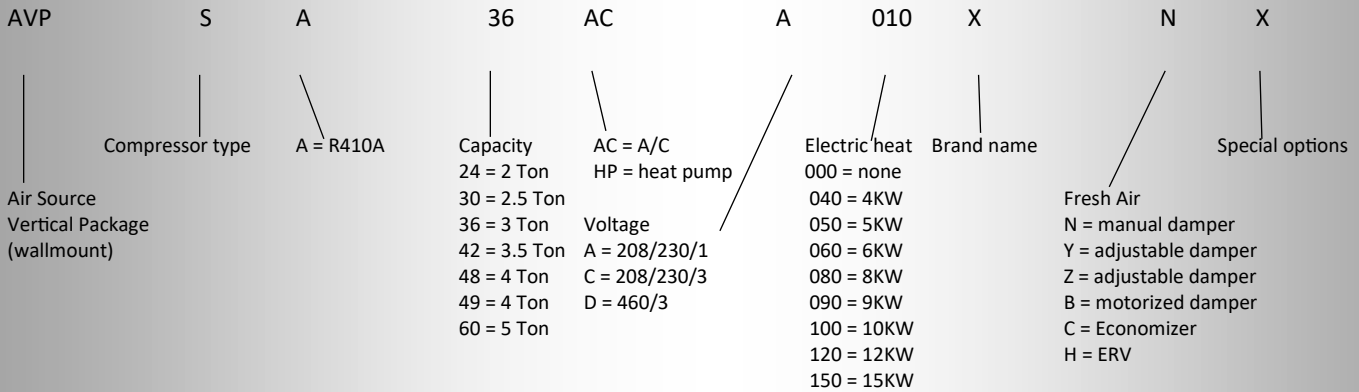
## Questions for Replacing a Wallmount without a Model Number \_page 13

1. Air conditioner or heat pump?
2. Which model?
  - V&H series 9 EER
  - T series 10+ EER
  - S series 10+ EER with sound attenuation module & 2 step compressor
3. What is the capacity?
  - V series - 1.5, 2, 2.5, 3, 4 5
  - H series - 2, 2.5, 3, 4, 5
  - T series - 3, 4, 5
  - S series - 3, 4, 5
4. What voltage and phase are needed?
  - 230/1/60
  - 230/3/60
  - 460/3/60
5. Do they need electric heat strip and if so, what size?
6. What feature do they want for fresh air?
  - V&H series - Barometric (std), Economizer, Power Room Ventilator,
  - T series - Barometric (std), Economizer, Power Room Ventilator, ERV
  - S series - Barometric (std), Economizer, Power Room Ventilator, ERV
7. Standard 1 inch filter or 2 inch pleated MERV 8?
8. Coated coils for corrosive conditions?
9. Standard Mesa Tan color, Gray or White cabinet?
10. Do they need protection for low ambient temperature conditions?
11. Compare answers to Eubank Model Number Key on following page to determine Eubank model number

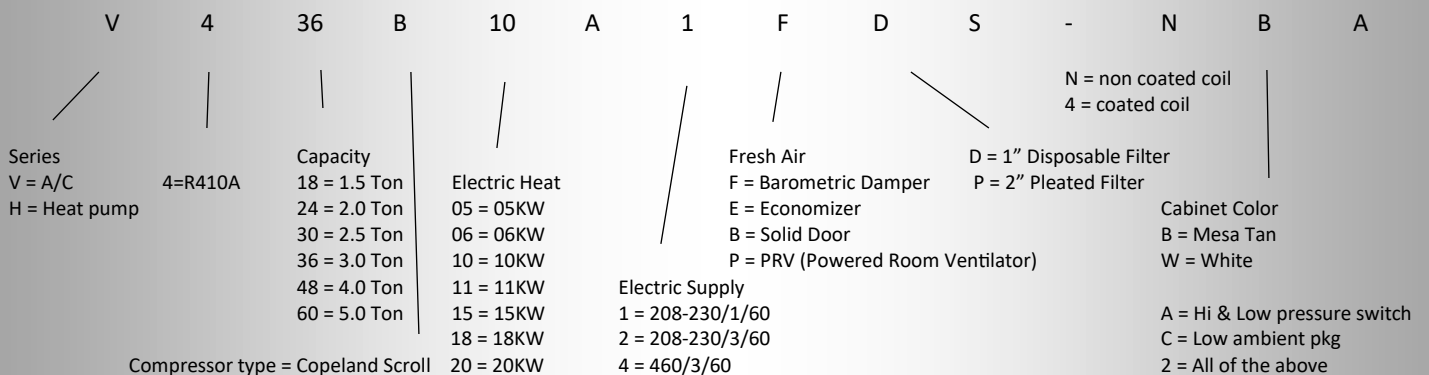
## Bard Wallmount Model Key



## Marvail Wallmount Model Key

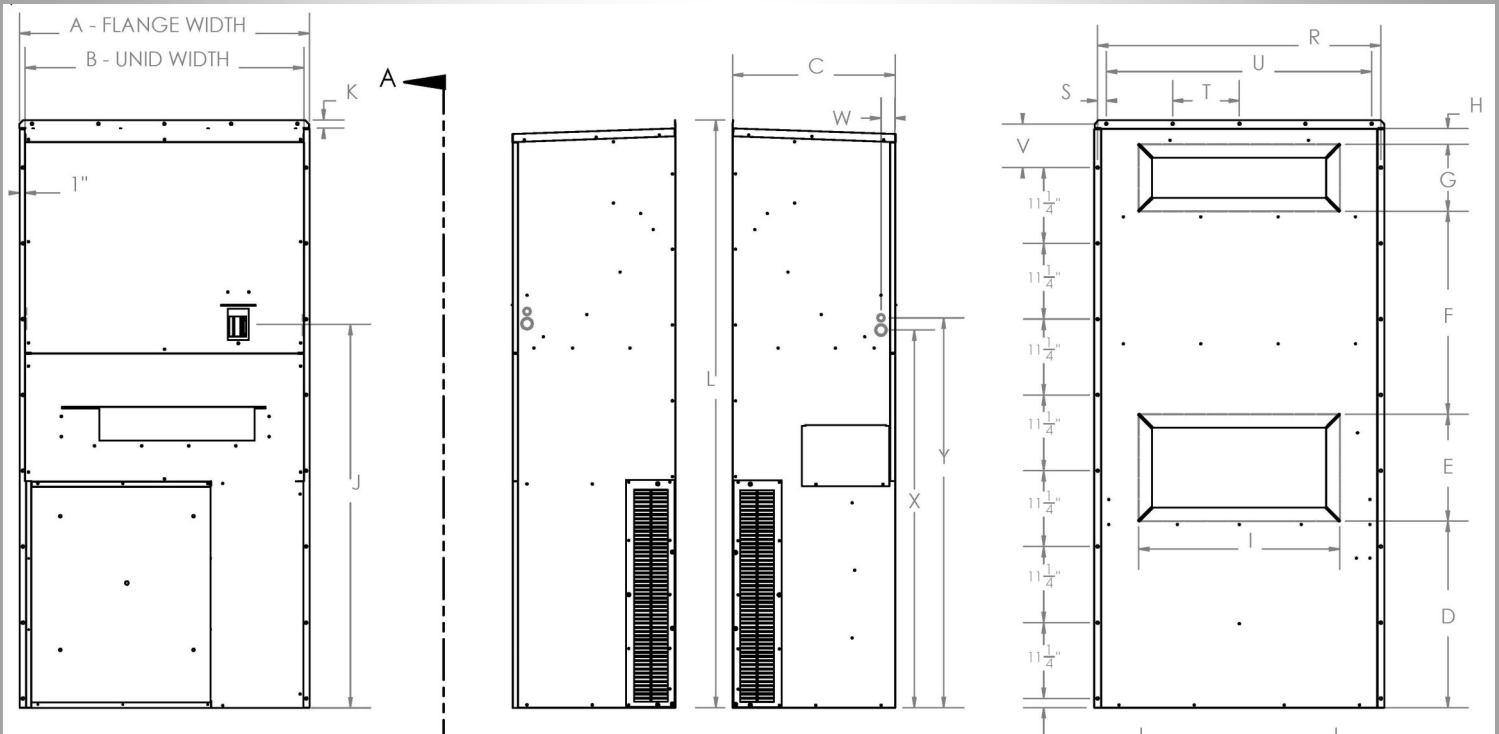


## Eubank Wallmount Model Key





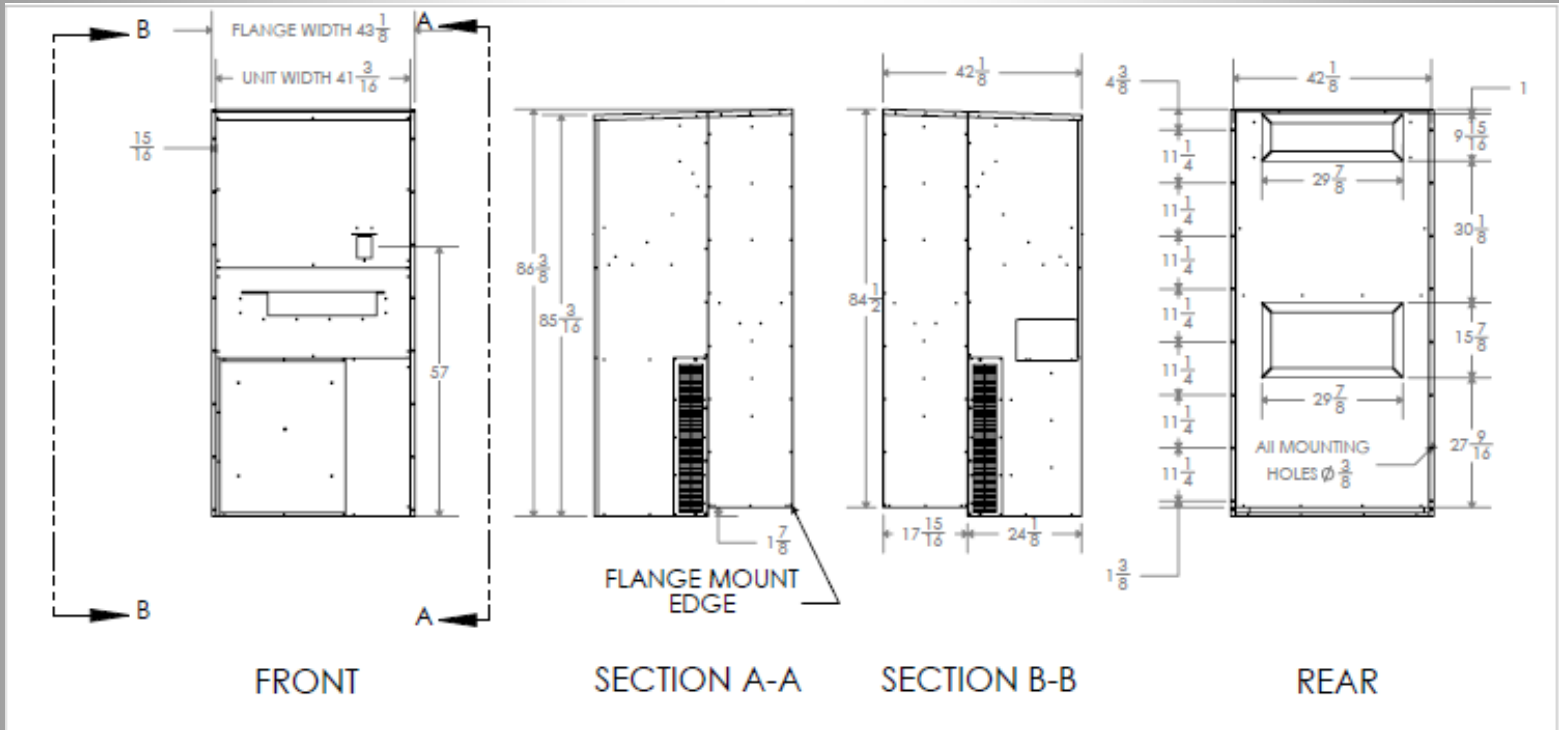
# Unit Dimensions for V, H and T series



Eubank (Current)	Tonnage	A	B	C	D	E	F	G	H	I	J	K	L
	18/24	36	34	19	28	12	20.5	8	2	20	29	1	71
	30/36	40	38	19	28	14	18	8	1	28	29	1	71
	42/48/60	43	41	24	27	16	30	10	2	30	36	1	87

Bard WA Series	Tonnage	A	B	C	D	E	F	G	H	I	J	K	L
	18/24	35	34.13	17.125	29	11.88	20.76	7.88	N/A	19.88	N/A	N/A	70.563
	30/36	40	39.13	17.125	29	13.88	17.83	7.88	N/A	27.88	N/A	N/A	70.563
	42/48/60	43.88	43	20.432	25.88	15.88	30	9.88	N/A	29.88	N/A	N/A	84.875

Marvair AVP Series	Tonnage	A	B	C	D	E	F	G	H	I	J	K	L
	18/24	40	38	17	28	12	20.5	8	2	20	28	1	71
	30/36	45	43	17	29	14	18	8	2	28	28	1	71
	42/48/60	45	43	23	27	16	30	10	2	30	32	1	86



# Specifications Section

*Schools*

*Offices*

*Leasing Companies*



*Modular Bldgs.*

*Trailers*

*Storage*

*Cell Towers*

*Equipment Hubs*

*Oilfield*



AC Model 9 EER	Cooling Capacity (J)	Volts/Phase/ Hertz	Compressor Rated Load Amps	Outdoor Fan Data				Blower Data			
				HP	RPM	Full Load Amps	Fan Dia/CFM	HP	RPM	Full Load Amps	CFM/ESP (K)
V418**A1	16,000	208-230/1/60	9.0	1/5	1075	1.5	20"/2000	1/6	1075	1.5	700/0.10
V424**A1	23,600	208-230/1/60	12.8	1/5	1075	1.5	20"/2000	1/6	1075	1.5	800/0.10
V430**A1	29,400	208-230/1/60	16	1/5	1075	1.5	20"/2000	1/3	1075	2.5	1250/0.15
V430**A3	29,400	208-230/3/60	10	1/5	1075	1.5	20"/2000	1/3	1075	2.5	1250/0.15
V436**A1	35,000	208-230/1/60	17.9	1/5	1075	1.5	20"/2000	1/3	1075	2.5	1250/0.15
V436**A3	35,000	208-230/3/60	13.2	1/5	1075	1.5	20"/2000	1/3	1075	2.5	1250/0.15
V436**A4	35,000	460/3/60	6	1/5	1075	0.7	20"/2000	1/3	1075	1.2	1250/0.15
V448**A1	44,000	208-230/1/60	21.4	1/2	1100	1.5	22"/3000	1/2	1100	3.5	1800/0.20
V448**A3	44,000	208-230/3/60	14.5	1/2	1100	1.5	22"/3000	1/2	1100	3.5	1800/0.20
V448**A4	44,000	460/3/60	7.1	1/2	1100	1.5	22"/3000	1/2	1100	2	1800/0.20
V460**A1	55,000	208-230/1/60	30.1	1/2	1100	2.5	22"/3000	1/2	1100	3.7	2100/0.20
V460**A3	55,000	208-230/3/60	20.5	1/2	1100	2.5	22"/3000	1/2	1100	3.7	2100/0.20
V460**A4	55,000	460/3/60	9.6	1/2	1100	1.5	22"/3000	1/2	1100	1.8	2100/0.20

(J) Rated in accordance with ANSI/ARI Standard 390-2003

(K) Includes factory-installed filters and wet coils

### Standard Ventilation Package

AC Model	Max Fresh Air CFM/% (L)	Return Air Filter	Barometric Filter	Barometric Damper
V418	170/25%	25"X16"X1" Disposable	7"X29"X1/4"Permanent Washable	Adjustable Barometric Damper Standard on All Models
V424	200/25%			
V430	300/25%			
V436	300/25%			
V448	450/25%	20"X30"X1" Disposable		
V460	525/25%			

### V Series Air Conditioner Cooling Performance

AC Model	Ambient Temperature Fahrenheit			
	95		80	
	Total	Sensible	Total	Sensible
V418	16,000	12,000	18,000	13,000
V424	23,600	17,000	25,200	17,000
V430	29,400	21,100	31,300	22,000
V436	35,000	26,000	37,300	25,000
V448	44,000	34,200	50,000	34,000
V460	55,000	40,000	58,400	40,500

MODEL NO. & ELEC-TRIC HEATER kW [1]	VOLT/ PHAS E 60 Hz	NO. OF FIELD POW-ER CKTS.	SINGLE-FIELD CIRCUIT				DUAL-FIELD CIRCUIT							
			MINIMUM CIRCUIT AMPACI-TY	MAX FUSE OR HVACR BREAKER SIZE 2	FIELD POW-ER WIRE SIZE [3], [4], [5]	GROUN D WIRE SIZE	MIN. WIRE AMPACI-TY		MAX FUSE OR HVACR BREAKER		FIELD POWER WIRE SIZE [3], [4], [5]		GROUN D WIRE SIZE	
							CKT1	CKT2	CKT1	CKT2	CKT1	CKT2	CKT1	CKT2
<b>V418B00A</b> 1.5 10	208-230/1	1 1 1	14 29 55	20 30 60	14 10 6	14 10 10								
<b>V424B00A</b> 1.5 10	208-230/1	1 1 1	19 29 55	30 30 60	14 10 6	10 10 10								
<b>V424B00A</b> 3.6 9	208-230/3	1 1 1	13 20 29	20 25 40	14 12 10	12 10 10								
<b>V430B00A</b> 1.5 10	208-230/1	1 1 1	24 30 56	40 40 60	12 10 6	10 10 10								
<b>V430B00A</b> 6 9	208-230/3	1 1 1	17 22 30	25 25 40	14 12 10	10 10 10								
<b>V436B00A</b> 1.5 10 15	208-230/1	1 1 1 2	26 30 56	40 40 60	10 10 6	10 10 10	26	52	30	60	10	6	10	10
<b>V436B00A</b> 6 9 15	208/230/3	1 1 1 1	20 22 30 49	30 30 40 50	12 12 10 8	10 10 10 10								
<b>V436B00A</b> 4.6 9 15	460/3	1 1 1 1	10 10 16 25	15 15 20 30	14 14 14 10	14 14 12 10								
<b>V448B00A</b> 5 10 15	208-230/1	1 1 1 2	33 33 58	50 50 60	10 10 6	10 10 10	27	52	30	60	10	6	10	10
<b>V448B00A</b> 6 9 15 18	208-230/3	1 1 1 1 1	24 24 33 50 60	30 30 40 60 70	12 12 10 6 6	10 10 10 10 8								
<b>V448B00A</b> 6 9 15	460/3	1 1 1 1	10 13 17 26	15 15 20 30	14 14 14 10	14 14 12 10								
<b>V460B00B</b> 5 10 15	208-230/1	1 1 1 2	39 39 58	60 60 60	8 8 6	10 10 10	33	52	40	60	10	6	10	10
<b>V460B00B</b> 6 9 15 18	208-230/3	1 1 1 1 1	26 26 33 50 60	40 40 40 60 70	10 10 10 6 6	10 10 10 10 8								
<b>V460B00B</b> 6 9 15	460/3	1 1 1 1	13 13 17 26	20 20 20 30	14 14 14 10	12 12 12 10								

- (1) Heater Data were based on 240 or 480V AC respectively
- (2) Maximum power recommended size for "Time Delay" fuse or HACR breaker
- (3) Power supply wire size and ground wires were based on AWG 75C rise, NEC Article 310—16
- (4) For dual power conductor, sized per NEC Table 310—16
- (5) For single power conductor, sized per NEC Table 310—16
- (6) Power supply wire minimum 75C rated COPPER CONDUCTOR ONLY

# H Series Heat Pump Specifications page 20

HP Model 9 EER 3.0 COP	Cooling Capacity (J)	Heating Capacity (J)	Volts/Phase/ Hertz	Compressor Rated Load Amps	Outdoor Fan Data				Blower Data			
					HP	RPM	Full Load Amps	Fan Dia/CFM	HP	RPM	Full Load Amps	CFM/ESP (K)
H424**A1	23,600	23,000	208-230/1/60	12.8	1/5	1075	1.5	20"/2000	1/6	1075	1.5	800/0.10
H424**A3	23,600	23,000	208-230/1/60	10.4	1/5	1075	1.5	20"/2000	1/6	1075	1.5	800/0.10
H430**A1	29,400	28,000	208-230/1/60	16	1/5	1075	1.5	20"/2000	1/3	1075	2.5	1250/0.15
H430**A3	29,400	28,000	208-230/3/60	10	1/5	1075	1.5	20"/2000	1/3	1075	2.5	1250/0.15
H436**A1	35,000	34,000	208-230/1/60	17.9	1/5	1075	1.5	20"/2000	1/3	1075	2.5	1250/0.15
H436**A3	35,000	34,000	208-230/3/60	13.2	1/5	1075	1.5	20"/2000	1/3	1075	2.5	1250/0.15
H436**A4	35,000	34,000	460/3/60	6.0	1/5	1075	0.7	20"/2000	1/3	1075	1.2	1250/0.15
H448**A1	44,000	45,000	208-230/1/60	21.4	1/2	1100	1.5	22"/3000	1/2	1100	3.5	1800/0.20
H448**A3	44,000	45,000	208-230/3/60	14.5	1/2	1100	1.5	22"/3000	1/2	1100	3.5	1800/0.20
H448**A4	44,000	45,000	460/3/60	7.1	1/2	1100	1.5	22"/3000	1/2	1100	2.0	1800/0.20
H460**A1	55,000	54,000	208-230/1/60	26.3	1/2	1100	2.5	22"/3000	1/2	1100	4.0	2100/0.20
H460**A3	55,000	54,000	208-230/3/60	15.6	1/2	1100	2.5	22"/3000	1/2	1100	4.0	2100/0.20
H460**A4	55,000	54,000	460/3/60	9.7	1/2	1100	1.5	22"/3000	1/2	1100	2.2	2100/0.20

(J) Rated in accordance with ANSI/ARI Standard 390-2003

(K) Includes factory-installed filters and wet coils

## Standard Ventilation Package

Heat Pump Model	Max Fresh Air CFM/% (L)	Return Air Filter	Barometric Filter	Barometric Damper
H424	195/25%	25"X16"X1" Disposable	7"X29"X1/4"Permanent Washable	Adjustable Barometric Damper Standard on All Models
H430	288/25%			
H436	353/25%			
H448	425/25%	20"X30"X1" Disposable		
H460	495/25%			

## H Series Heat Pump Cooling Performance

Heat Pump Model	Ambient Temperature Fahrenheit			
	95 Degrees		80 Degrees	
	Total	Sensible	Total	Sensible
H424	23,600	17,000	25,200	17,000
H430	29,400	21,100	31,300	22,000
H436	35,000	26,000	37,300	25,000
H448	44,000	34,200	50,000	34,000
H460	55,000	39,000	57,400	39,500

## H Series Heat Pump Heating Performance

Heat Pump Model	Ambient Temperature Fahrenheit	
	47 Degrees	17 Degrees
	H424	23,600
H430	28,000	18,100
H436	34,000	21,000
H448	44,000	27,000
H460	55,000	32,000



# H Series Heat Pump Electrical Data page 21

Model No. & Electric Heater Kw [1]	VOLT/ PHASE 60 Hz	NO. OF FIELD POWER CKTS.	SINGLE-FIELD CIRCUIT				DUAL-FIELD CIRCUIT							
			MINIMUM CIRCUIT AMPACITY	MAX FUSE OR HVACR BREAKER SIZE [2]	FIELD POWER WIRE SIZE [3], [4], [5]	GROUND WIRE SIZE	MINIMUM WIRE AMPACITY		MAX FUSE OR HVACR BREAKER [2]		FIELD POWER WIRE SIZE [3], [4], [5]		GROUND WIRE SIZE	
							CKT1	CKT2	CKT1	CKT2	CKT1	CKT2	CKT1	CKT2
<b>H424B00A1</b> 5 10	208-230/1	1 1 1 OR 2	19 45 70	30 50 80	14 8 4	10 10 8	19	52	30	60	14	6	10	10
<b>H424B00A3</b> 6 9	208-230/3	1 1 1	19 37 46	30 40 60	14 8 8	10 10 10								
<b>H430B00A1</b> 5 10	208-230/1	1 1 1 OR 2	24 50 76	40 60 80	12 6 4	10 10 8	24	52	40	60	12	6	10	10
<b>H430B00A3</b> 6 9	208-230/3	1 1 1	24 42 50	40 50 60	14 10 8	14 10 10								
<b>H436B00A1</b> 5 10	208-230/1	1 1 1 OR 2	26 52 78	30 60 90	12 8 6	10 10 10	26	40	40	60	10	8	10	10
<b>H436B00A3</b> 6 9	208-230/3	1 1 1	20 39 48	30 40 50	12 8 8	10 10 10								
<b>H436B00A4</b> 6 9	460/3	1 1 1	10 19 23	15 30 25	14 14 12	14 12 10								
<b>H448B00A1</b> 5 10	208-230/1	1 1 1 OR 2	33 59 85	60 60 90	10 6 3	10 8 8	33 33	26 52	50 50	30 60	10 10	10 6	10 10	10 10
<b>H448B00A3</b> 6 9	208-230/3	1 1 1	24 42 50	30 50 60	12 8 6	10 10 10								
<b>H448B00A4</b> 6 9	460/3	1 1 1	10 20 25	15 25 30	14 12 10	14 10 10								
<b>H460B00B1</b> 5 10	208-230/1	1 1 OR 2 1 OR 2	39 65 90	60 80 100	8 4 3	10 8 8	39 39	26 52	60 60	30 60	8 8	10 6	10 10	10 10
<b>H460B00B3</b> 6 9	208-230/3	1 1 1	26 44 53	40 50 60	10 8 6	10 10 10								
<b>H460B00B4</b> 6 9	460/3	1 1 1	13 22 27	20 25 30	14 12 10	12 10 10								

- (1) Heater Data were based on 240 or 480V AC respectively
- (2) Maximum power recommended size for "Time Delay" fuse or HACR breaker
- (3) Power supply wire size and ground wires were based on AWG 75C rise, NEC Article 310—16 and Table 310-16
- (4) For single power conductor, sized per NEC Table 310—16
- (5) Power supply wire minimum 75C rated COPPER CONDUCTOR ONLY
- (6) Max 10 kW heat with heat pump operation. Full electric heat available in heat mode

AC Model 9 EER	Cooling Capacity (J)	Volts/Phase/ Hertz	Compressor Rated Load Amps	Outdoor Fan Data				Blower Data			
				HP	RPM	Full Load Amps	Fan Dia/CFM	HP	RPM	Full Load Amps	CFM/ESP (K)
TV36S**	33,000	208-230/1/60	16.7	1/6	825	1.2	22"/2000	1/3	Variable	1.6	1250/0.15
TV36T**	33,000	208-230/3/60	10.4	1/6	825	1.2	22"/2000	1/3	Variable	1.6	1250/0.15
TV36D**	33,000	460/3/60	5.7	1/6	825	0.7	22"/2000	1/3	Variable	1.3	1250/0.15
TV48S**	44,000	208-230/1/60	21.8	1/2	1000	2.8	22"/3000	1/2	Variable	2.7	1800/0.20
TV48T**	44,000	208-230/3/60	13.7	1/2	1000	2.8	22"/3000	1/2	Variable	2.7	1800/0.20
TV48D**	44,000	460/3/60	6.2	1/2	1000	1.4	22"/3000	1/2	Variable	1.6	1800/0.20
TV60S**	55,000	208-230/1/60	26.3	1/2	1000	2.8	22"/3000	1/2	Variable	2.7	2100/0.20
TV60T**	55,000	208-230/3/60	15.6	1/2	1000	2.8	22"/3000	1/2	Variable	2.7	2100/0.20
TV60D**	55,000	460/3/60	7.7	1/2	1000	1.4	22"/3000	1/2	Variable	1.6	2100/0.20

(J) Rated in accordance with ANSI/ARI Standard 390-2003

(K) Includes factory-installed filters and wet coils

**Standard Ventilation Package**

AC Model	Max Fresh Air CFM/% (L)	Return Air Filter	Barometric Filter	Barometric Damper
TV36	310/25%	14" or 16" X 30"X1" Disposable	7"X29"X1/4"Permanent Washable	Adjustable Barometric Damper Standard on All Models
TV48	425/25%	20"X30"X1" Disposable		
TV60	500/25%			

**TV Series Air Conditioner Cooling Performance**

AC Model	Ambient Temperature Fahrenheit			
	95		80	
	Total	Sensible	Total	Sensible
TV436	33,000	24,400	35,300	26,100
TV448	44,000	34,000	49,000	37,000
TV460	55,000	40,000	60,000	44,000



Model No. & Electric Heater Kw [1]	Volt / Phase	No. of Field Power Ckts	SINGLE FIELD CIRCUIT				DUAL FIELD CIRCUIT									
			MINIMUM CIRCUIT AMPACITY	MAX OVER CURRENT PROTECTION [2]	FIELD POWER WIRE SIZE [3],[4],[5]	GROUND WIRE SIZE	MIM WIRE AMPACITY		MAX OVER CURRENT PROTECTION [2]		FIELD POWER WIRE SIZE [3],[4],[5]		GROUND WIRE SIZE			
							CKT1	CKT2	CKT1	CKT2	CKT1	CKT2	CKT1	CKT2		
<b>TV36S**</b>		1	23	30	12	10										
5	208-230/1	1	30	40	10	10										
10		1	56	60	6	10										
15		2					26	52	30	60	10	6	10	10		
<b>TV36T**</b>		1	19	30	14	10										
6	208-230/3	1	22	30	12	10										
9		1	30	40	10	10										
15		1	49	50	8	10										
<b>TV36D*</b>		1	9	15	14	14										
6	460/3	1	10	15	14	14										
9		1	15	20	14	12										
15		1	25	30	10	10										
<b>TV48S**</b>		1	33	50	10	10										
5	208-230/1	1	33	50	10	10										
10		1	58	60	6	10										
15		2					27	52	30	60	10	6	10	10		
<b>TV48T**</b>		1	24	30	12	10										
6	208-230/3	1	24	30	12	10										
9		1	33	40	10	10										
15		1	50	0	8	10										
18		1 OR 2	60	70	6	8	24	54	30	60	12	6	10	10		
<b>TV48D*</b>		1	12	15	14	14										
6	460/3	1	13	15	14	14										
9		1	17	20	14	12										
15		1	26	30	10	10										
<b>TV60S**</b>		1	40	60	8	10										
5	208-230/1	1	40	60	8	10										
10		1	58	60	6	10										
15		2					34	52	40	60	10	6	10	10		
<b>TV60T**</b>		1	27	40	10	10										
6	208-230/3	1	27	40	10	10										
9		1	33	40	10	10										
15		1	50	60	6	10										
18		1 OR 2	60	60	6	8	27	54	40	60	10	6	10	10		
<b>TV60D*</b>		1	12	15	14	14										
6	460/3	1	12	15	14	14										
9		1	17	20	14	12										
15		1	26	30	10	10										

[1] Heater data were based on 240V or 480V AC respectively.

[2] Maximum recommended size for "Time Delay" fuse or HACR circuit breaker.

[3] Power supply wire size and ground wire size were based on AWG 75C rise, NEC Article 310 and Table 310.15(B)(16).

[4] For single power conductor, sized per NEC Table 310.15(B)(17).

[5] Power supply wire 75C rated COPPER CONDUCTOR ONLY.

# TH Series Heat Pump Specifications \_\_\_\_\_ page 24

HP Model 10 EER	Cooling Capacity (J)	Volts/Phase/ Hertz	Compressor Rated Load Amps	Outdoor Fan Data				Blower Data			
				HP	RPM	Full Load Amps	Fan Dia/CFM	HP	RPM	Full Load Amps	CFM/ESP (K)
TH36S**	33,000	208-230/1/60	15.3	1/6	825	1.2	22"/2000	1/3	Variable	1.6	1250/0.15
TH36T**	33,000	208-230/3/60	11.6	1/6	825	1.2	22"/2000	1/3	Variable	106	1250/0.15
TH36D**	33,000	460/3/60	5.7	1/6	825	0.7	22"/2000	1/3	Variable	1.3	1250/0.15
TH48S**	44,000	208-230/1/60	21.2	1/2	1000	2.8	22"/3000	1/2	Variable	2.7	1700/0.20
TH48T**	44,000	208-230/3/60	14	1/2	1000	2.8	22"/3000	1/2	Variable	2.7	1700/0.20
TH48D**	44,000	460/3/60	6.4	1/2	1000	1.4	22"/3000	1/2	Variable	1.6	1700/0.20
TH60S**	55,000	208-230/1/60	27.1	1/2	1000	2.8	22"/3000	1/2	Variable	2.7	2200/0.20
TH60T**	55,000	208-230/3/60	16.5	1/2	1000	2.8	22"/3000	1/2	Variable	2.7	2200/0.20
TH60D**	55,000	460/3/60	7.2	1/2	1000	1.4	22"/3000	1/2	Variable	1.6	2200/0.20

(J) Rated in accordance with ANSI/ARI Standard 390-2003

(K) Includes factory-installed filters and wet coils

## Standard Ventilation Package

HP Model	Max Fresh Air CFM/% (L)	Return Air Filter	Barometric Filter	Barometric Damper
TH36	310/25%	14" or 16" X 30"X1" Disposable	7"X29"X1/4"Permanent Washable	Adjustable Barometric Damper Standard on All Models
TH48	425/25%	20"X30"X1" Disposable		
TH60	500/25%			

## TH Series Air Conditioner Cooling Performance

HP Model	Ambient Temperature Fahrenheit			
	95		80	
	Total	Sensible	Total	Sensible
TH36	33,000	24,400	35,300	26,100
TH48	44,000	32,700	47,000	35,000
TH60	55,000	40,000	60,000	44,000

## TH Series Heat Pump Heating Performance

Heat Pump Model	Ambient Temperature Fahrenheit	
	47 Degrees	17 Degrees
	TH436	32,000
TH448	43,500	27,000
TH460	52,000	31,000



# TH Series Heat Pump Electrical Data \_\_\_\_\_page 25

Model No. & Electric Heater Kw [1]	Volt / Phase	No. of Field Power Ckts	SINGLE FIELD CIRCUIT				DUAL FIELD CIRCUIT								
			MINIMUM CIRCUIT AM-PACITY	MAX OVER CURRENT PROTECTION [2]	FIELD POWER WIRE SIZE [3],[4],[5]	GROUND WIRE SIZE	MIN WIRE AMPACITY		MAX OVER CURRENT PROTECTION [2]		FIELD POWER WIRE SIZE [3],[4],[5]		GROUND WIRE SIZE		
							CKT1	CKT2	CKT1	CKT2	CKT1	CKT2	CKT1	CKT2	
<b>TH36S**</b>		1	23	30	12	10									
<b>5</b>	208-230/1	1	49	50	8	10									
<b>10</b>		1 OR 2	75	80	4	8	23	52	15	60	12	6	14	10	
<b>TH36T**</b>		1	19	30	14	10									
<b>6</b>	208-230/3	1	37	40	8	10									
<b>9</b>		1	46	50	8	10									
<b>TH36D**</b>		1	9	15	14	14									
<b>6</b>	460/3	1	18	20	14	12									
<b>9</b>		1	23	25	12	10									
<b>TH48S**</b>		1	33	50	10	10									
<b>5</b>	208-230/1	1 OR 2	59	70	6	8	33	26	50	30	10	10	10	10	
<b>10</b>		1 OR 2	85	90	3	8	33	52	50	60	10	6	10	10	
<b>TH48T**</b>		1	24	30	12	10									
<b>6</b>	208-230/3	1	42	50	8	10									
<b>9</b>		1	50	60	6	10									
<b>TH48D**</b>		1	12	15	14	14									
<b>6</b>	460/3	1	20	25	12	10									
<b>9</b>		1	25	30	10	10									
<b>TH60S**</b>		1	40	60	8	10									
<b>5</b>	208-230/1	1 OR 2	66	80	4	8	40	26	60	30	8	10	10	10	
<b>10</b>		1 OR 2	92	100	3	8	40	52	60	60	8	6	10	10	
<b>TH60T**</b>		1	27	40	10	10									
<b>6</b>	208-230/3	1	45	50	8	10									
<b>9</b>		1	54	60	6	10									
<b>TH60D**</b>		1	12	15	14	14									
<b>6</b>	460/3	1	20	25	12	10									
<b>9</b>		1	26	30	10	10									

[1] Heater data were based on 240V or 480V AC respectively.

[2] Maximum recommended size for "Time Delay" fuse or HACR circuit breaker.

[3] Power supply wire size and ground wire size were based on AWG 75C rise, NEC Article 310 and Table 310.15(B)(16).

[4] For single power conductor, sized per NEC Table 310.15(B)(17).

[5] Power supply wire 75C rated COPPER CONDUCTOR ONLY.

AC Model 10 EER	Cooling Capacity (J)	Volts/Phase/ Hertz	Compressor Rated Load Amps	Outdoor Fan Data				Blower Data			
				HP	RPM	Full Load Amps	Fan Dia/CFM	HP	RPM	Full Load Amps	CFM/ESP (K)
SV36S**	33,000	208-230/1/60	15.3	1/6	1075	1.2	22"/2000	1/3	1050	1.6	1250/0.15
SV36T**	33,000	208-230/3/60	11.6	1/6	1075	1.2	22"/2000	1/3	1050	1.6	1250/0.15
SV36D**	33,000	460/3/60	5.7	1/6	1075	0.7	22"/2000	1/3	1050	1.3	1250/0.15
SV48S**	43,500	208-230/1/60	21.2	1/2	1100	2.8	22"/3000	1/2	1050	2.7	1700/0.20
SV48T**	43,500	208-230/3/60	14	1/2	1100	2.8	22"/3000	1/2	1050	2.7	1700/0.20
SV48D**	43,500	460/3/60	6.4	1/2	1100	1.4	22"/3000	1/2	1050	1.6	1700/0.20
SV60S**	55,000	208-230/1/60	27.1	1/2	1100	2.8	22"/3000	3/4	1050	4.5	2200/0.20
SV60T**	55,000	208-230/3/60	16.5	1/2	1100	2.8	22"/3000	3/4	1050	4.5	2200/0.20
SV60D**	55,000	460/3/60	7.2	1/2	1100	1.4	22"/3000	3/4	1050	3.7	2200/0.20

(J) Rated in accordance with ANSI/ARI Standard 390-2003

(K) Includes factory-installed filters and wet coils

### Standard Ventilation Package

AC Model	Max Fresh Air CFM/% (L)	Return Air Filter	Barometric Filter	Barometric Damper
SV36	310/25%	14" or 16" X 30"X1" Disposable	7"X29"X1/4"Permanent Washable	Adjustable Barometric Damper Standard on All Models
SV48	425/25%	20"X30"X1" Disposable		
SV60	500/25%			

### SV Series Air Conditioner Cooling Performance

AC Model	Ambient Temperature Fahrenheit			
	95		80	
	Total	Sensible	Total	Sensible
SV36	33,000	24,400	35,500	25,000
SV48	43,500	34,500	50,000	37,000
SV60	55,000	40,000	60,000	44,000





Model No. & Electric Heater Kw [1]	Volt / Phase	No. of Field Power Ckts	SINGLE FIELD CIRCUIT				DUAL FIELD CIRCUIT								
			MINIMUM CIRCUIT AMPACITY	MAX OVER CURRENT PROTECTION [2]	FIELD POWER WIRE SIZE [3],[4],[5]	GROUND WIRE SIZE	MIN WIRE AMPACITY		MAX OVER CURRENT PROTECTION [2]		FIELD POWER WIRE SIZE [3],[4],[5]		GROUND WIRE SIZE		
							CKT1	CKT2	CKT1	CKT2	CKT1	CKT2	CKT1	CKT2	
<b>SV36S**</b>		1	23	30	12	10									
5	208-230/1	1	30	40	10	10									
10		1	56	60	6	10									
15		2					26	52	30	60	10	6	10	10	
<b>SV36T**</b>			1	19	30	14	10								
6	208-230/3	1	22	30	12	10									
9		1	30	40	10	10									
15		1	49	50	8	10									
<b>SV36D**</b>			1	9	15	14	14								
6	460/3	1	10	15	14	14									
9		1	15	20	14	12									
15		1	25	30	10	10									
<b>SV48S**</b>			1	33	50	10	10								
5	208-230/1	1	33	50	10	10									
10		1	58	60	6	10									
15		2					27	52	30	60	10	6	10	10	
<b>SV48T**</b>			1	24	30	12	10								
6	208-230/3	1	24	30	12	10									
9		1	33	40	10	10									
15		1	50	0	8	10									
18		1 OR 2	60	70	6	8	24	54	30	60	12	6	10	10	
<b>SV48D**</b>			1	12	15	14	14								
6	460/3	1	13	15	14	14									
9		1	17	20	14	12									
15		1	26	30	10	10									
<b>SV60S**</b>			1	40	60	8	10								
5	208-230/1	1	40	60	8	10									
10		1	58	60	6	10									
15		2					34	52	40	60	10	6	10	10	
<b>SV60T**</b>			1	27	40	10	10								
6	208-230/3	1	27	40	10	10									
9		1	33	40	10	10									
15		1	50	60	6	10									
18		1 OR 2	60	60	6	8	27	54	40	60	10	6	10	10	
<b>SV60D**</b>			1	12	15	14	14								
6	460/3	1	12	15	14	14									
9		1	17	20	14	12									
15		1	26	30	10	10									

[1] Heater data were based on 240V or 480V AC respectively.

[2] Maximum recommended size for "Time Delay" fuse or HACR circuit breaker.

[3] Power supply wire size and ground wire size were based on AWG 75C rise, NEC Article 310 and Table 310.15(B)(16).

[4] For single power conductor, sized per NEC Table 310.15 (B)(17).

[5] Power supply wire 75C rated COPPER CONDUCTOR ONLY.

# SH Series Heat Pump Specifications \_\_\_\_\_ page 28

HP Model 10 EER	Cooling Capacity (J)	Volts/Phase/ Hertz	Compressor Rated Load Amps	Outdoor Fan Data				Blower Data			
				HP	RPM	Full Load Amps	Fan Dia/CFM	HP	RPM	Full Load Amps	CFM/ESP (K)
SH36S**	33,000	208-230/1/60	15.3	1/6	810	1.2	22"/2000	1/3	1050	1.6	1250/0.15
SH36T**	33,000	208-230/3/60	11.6	1/6	810	1.2	22"/2000	1/3	1050	1.6	1250/0.15
SH36D**	33,000	460/3/60	5.7	1/6	810	0.7	22"/2000	1/3	1050	1.3	1250/0.15
SH48S**	43,500	208-230/1/60	21.2	1/2	1080	2.8	22"/3000	1/2	1050	3.2	1700/0.20
SH48T**	43,500	208-230/3/60	14	1/2	1080	2.8	22"/3000	1/2	1050	3.2	1700/0.20
SH48D**	43,500	460/3/60	6.4	1/2	1080	1.4	22"/3000	1/2	1050	2.6	1700/0.20
SH60S**	55,000	208-230/1/60	27.1	1/2	1080	2.8	22"/3000	3/4	1050	4.5	2200/0.20
SH60T**	55,000	208-230/3/60	16.5	1/2	1080	2.8	22"/3000	3/4	1050	4.5	2200/0.20
SH60D**	55,000	460/3/60	7.2	1/2	1080	1.4	22"/3000	3/4	1050	3.7	2200/0.20

(J) Rated in accordance with ANSI/ARI Standard 390-2003

(K) Includes factory-installed filters and wet coils

## Standard Ventilation Package

HP Model	Max Fresh Air CFM/% (L)	Return Air Filter	Barometric Filter	Barometric Damper
SH36	310/25%	14" or 16" X 30"X1" Disposable	7"X29"X1/4"Permanent Washable	Adjustable Barometric Damper Standard on All Models
SH48	425/25%	20"X30"X1" Disposable		
SH60	500/25%			

## SH Series Air Conditioner Cooling Performance

HP Model	Ambient Temperature Fahrenheit			
	95		80	
	Total	Sensible	Total	Sensible
SH36	33,000	24,400	35,500	25,000
SH48	43,500	34,500	50,000	37,000
SH60	55,000	40,000	60,000	44,000

## SH Series Heat Pump Heating Performance

Heat Pump Model	Ambient Temperature Fahrenheit	
	47 Degrees	17 Degrees
SH436	28,500	17,500
SH448	40,000	25,000
SH460	52,000	31,000



# SH Series Heat Pump Electrical Data page 29

Model No. & Electric Heater Kw [1]	Volt / Phase	No. of Field Power Ckts	SINGLE FIELD CIRCUIT				DUAL FIELD CIRCUIT								
			MINIMUM CIRCUIT AMPACITY	MAX OVER CURRENT PROTECTION [2]	FIELD POWER WIRE SIZE [3],[4],[5]	GROUND WIRE SIZE	MIN WIRE AMPACITY		MAX OVER CURRENT PROTECTION [2]		FIELD POWER WIRE SIZE [3],[4],[5]		GROUND WIRE SIZE		
							CKT1	CKT2	CKT1	CKT2	CKT1	CKT2	CKT1	CKT2	
<b>SH36S**</b>		1	23	30	12	10									
<b>5</b>	208-230/1	1	49	50	8	10									
<b>10</b>		1 OR 2	75	80	4	8	23	52	15	60	12	6	14	10	
<b>SH36T**</b>		1	19	30	14	10									
<b>6</b>	208-230/3	1	37	40	8	10									
<b>9</b>		1	46	50	8	10									
<b>SH36D**</b>		1	9	15	14	14									
<b>6</b>	460/3	1	18	20	14	12									
<b>9</b>		1	23	25	12	10									
<b>SH48S**</b>		1	33	50	10	10									
<b>5</b>	208-230/1	1 OR 2	59	70	6	8	33	26	50	30	10	10	10	10	
<b>10</b>		1 OR 2	85	90	3	8	33	52	50	60	10	6	10	10	
<b>SH48T**</b>		1	24	30	12	10									
<b>6</b>	208-230/3	1	42	50	8	10									
<b>9</b>		1	50	60	6	10									
<b>SH48D**</b>		1	12	15	14	14									
<b>6</b>	460/3	1	20	25	12	10									
<b>9</b>		1	25	30	10	10									
<b>SH60S**</b>		1	40	60	8	10									
<b>5</b>	208-230/1	1 OR 2	66	80	4	8	40	26	60	30	8	10	10	10	
<b>10</b>		1 OR 2	92	100	3	8	40	52	60	60	8	6	10	10	
<b>SH60T**</b>		1	27	40	10	10									
<b>6</b>	208-230/3	1	45	50	8	10									
<b>9</b>		1	54	60	6	10									
<b>SH60D**</b>		1	12	15	14	14									
<b>6</b>	460/3	1	20	25	12	10									
<b>9</b>		1	26	30	10	10									

(1) Heater Data were based on 240 or 480V AC respectively

(4) For single power conductor, sized per NEC Table 310-16

(2) Maximum power recommended size for "Time Delay" fuse or HACR breaker

(5) Power supply wire minimum 75C rated COPPER CONDUCTOR ONLY

(3) Power supply wire size and ground wires were based on AWG 75C rise, NEC Article 310-16 and Table 310-16

(6) Max 10 kW heat with heat pump operation. Full electric heat available in heat mode

Looking for Quiet?

Look to...



S series

The Eubank S series Reduces Indoor Sound

Documented to as low as 40.3 decibels (dBA)\*

Quiet and High Efficiency!

\*Actual sound levels may vary depending on conditions.



## INNOVATION

Same Cabinet Dimensions

Same Supply & Return Dimensions

Increased Efficiency



10+ EER T Series



9 EER V&H Series

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## ***Will it Fit? YES!***

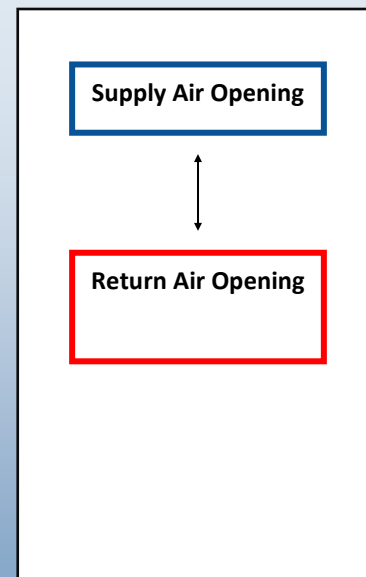
**Supply Air Openings - *the SAME!***

**Return Air Openings - *the SAME!***

**Distance between openings - *the SAME!***

All Eubank units will replace most existing 9 EER or less units of the same tonnage on the market

Exact dimensions on pages 15 & 16 of Product Guide



***Eubank***<sup>®</sup>  
AIRXCEL™, Inc.

## ***Easy to Service? Eubank!***

- ⇒ Access compressor from the front
- ⇒ Access condenser motor and blade from the front
- ⇒ Access electrical components from the front
- ⇒ Access slide out blowers from the front
- ⇒ Coil surface is protected from accidental damage
- ⇒ Coil surface is out of direct sunlight to help reduce load



[eubankwallmount.com](http://eubankwallmount.com)

***Eubank***<sup>®</sup>  
AIRXCEL™, Inc.



# Product Guide



V & H series      V for A/C & H for Heat Pump

Standard

Efficiency

Quick Reference: pages 4, 5

Dimensions: 15

Specifications: pages 18 through 21

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T series  
High Efficiency

TV for A/C & TH for Heat Pump

Single Step Compressor, ECM Blower Motor

Quick Reference: pages 6, 7

Dimensions: 15

Specifications: pages 22 through 25

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S series  
High Efficiency

SV for A/C & SH for Heat Pump

Two Step Compressor, ECM Blower Motor

Low Sound

ECM Condenser Motor, Sound Attenuation Module (SAM)

Enhancements to the Cabinet to Minimize Sound Vibrations

Quick Reference: pages 8, 9

Dimensions: 16

Specifications: pages 26 through 29

Product Guide June 2017

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