VERTICAL TERMINAL AIR CONDITIONER (VTAC) AND HEAT PUMP

SPECIFICATIONS AND ACCESSORIES CATALOG

PREMIUM
AMANA® BRAND
QUALITY

OUTSTANDING
PERFORMANCE AND
COMFORT

PREMIUM
ENERGY MANAGEMENT
SYSTEM

PRODUCT FEATURES

Efficient R32 refrigerant

- SEER2 and HSPF2 rated
- Slinger ring technology
- Low-ambient lock-out
- Active defrost cycle
- Corrosion resistant blue fin condenser coils
- Safety power disconnect
- Wall-mount thermostat
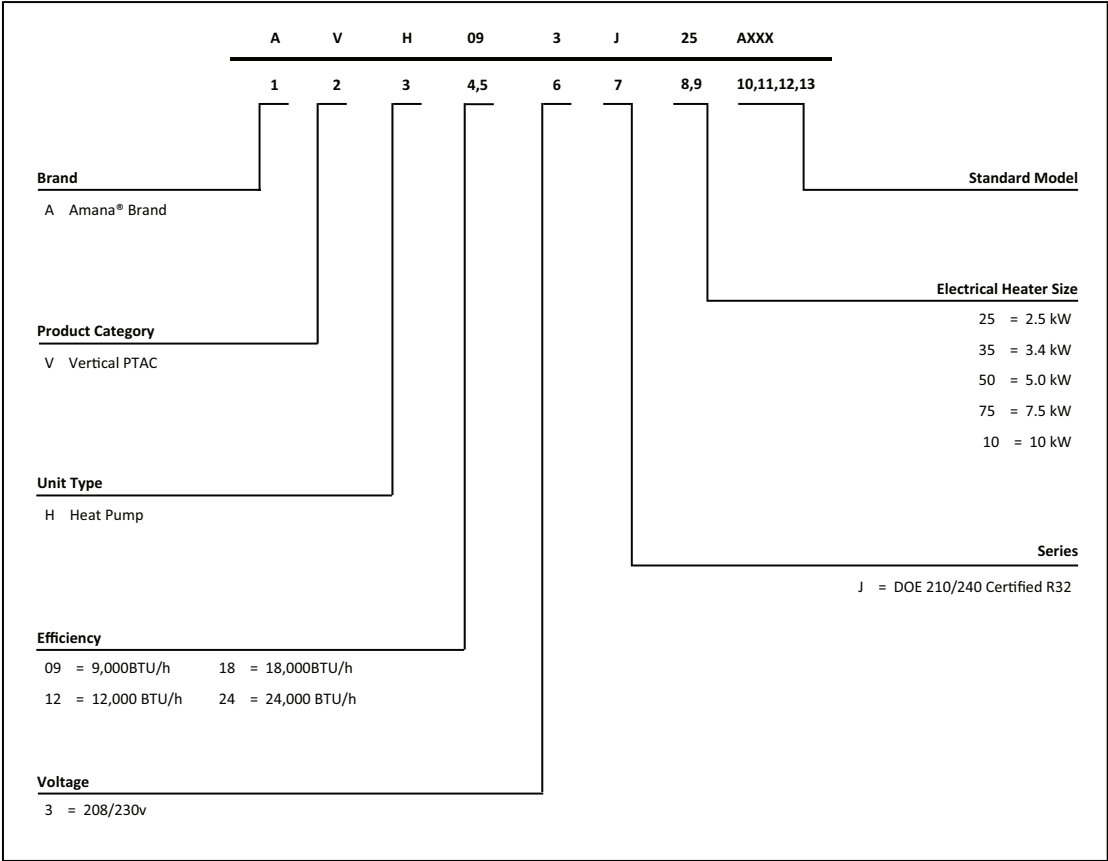- Electrical disconnect

Heat pump operation down to 10F

- Random unit restart
- Completed insulated cabinet for quiet operation
- "Ductable" to multiple rooms
- Secondary overflow drains
- Closet mounted
- Base pan heater
- Compressor restart delay
- Adjustable fresh air damper

Brushless DC motors

Up to 765 CFM discharge airflow

- Rectangular conditioned air opening for all models
- Telescoping exterior wall adapter
- Floating chassis design
- Self-contained system
- Front, right, or left installations
- All units 100% run tested
- 5 year limited warranty
- Certified to AHRI Standard 210/240

NOMENCLATURE

A	V	H	09	3	J	25	AXXX
1	2	3	4,5	6	7	8,9	10,11,12,13

Brand

A   Amana® Brand

Product Category

V   Vertical PTAC

Unit Type

H   Heat Pump

Efficiency

09 = 9,000BTU/h   18 = 18,000BTU/h

12 = 12,000 BTU/h   24 = 24,000 BTU/h

Voltage

3   = 208/230v

Standard Model

Electrical Heater Size

25 = 2.5 kW

35 = 3.4 kW

50 = 5.0 kW

75 = 7.5 kW

10 = 10 kW

Series

J   = DOE 210/240 Certified R32

AVH MODEL SPECIFICATIONS—HEAT PUMP/BACKUP ELECTRIC HEAT

Model[1,2,3,4,5]		AVH093J **AXXX	AVH123J **AXXX	AVH183J **AXXX	AVH243J **AXXX	AVH094J **AXXX	AVH124J **AXXX	AVH184J **AXXX	AVH244J **AXXX
Cooling Data									
Total cooling capacity at 95F (BTU/h)		9,400	11,200	17,800	22,600	9,400	11,200	17,800	22,600
Sensible cooling capacity (BTU/h)		7,100	8,800	13,100	14,700	7,100	8,800	13,100	14,700
SEER2		12.3	12.3	12.1	12.1	12.3	12.3	12.1	11.9
EER2		10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
Voltage		208/230	208/230	208/230	208/230	265	265	265	265
Heating Data									
Heat pump capacity at 47F (BTU/h)		8,600	10,400	16,200	19,500	8,600	10,400	16,200	19,500
Heat pump capacity at 14F (BTU/h)		4,900	6,000	9,800	12,400	4,900	6,000	9,800	12,400
HSPF2		6.3	6.3	6.7	6.7	6.3	6.3	6.7	6.7
Heater size options (kW)		2.5/3.4/5.0	2.5/3.4/5.0	2.5/3.4 5.0/7.5	2.5/3.4/5.0 7.5/10.0	2.5/3.4/5.0	2.5/3.4/5.0	2.5/3.4 5.0/7.5	2.5/3.4/5.0 7.5/10.0
Physical									
Dimensions (W x D x H)		23"x23"x32"	23"x23"x32"	23"x23"x47"	23"x23"x52"	23"x23"x32"	23"x23"x32"	23"x23"x47"	23"x23"x52"
Refrigerant		R32							
Volume (OZ)		26.9	28.7	40.0	44.0	26.0	28.7	40.0	44.0
Airflow Data									
Indoor CFM @0.0" ESP	Low	360	360	620	675	360	360	620	675
	High	420	460	705	765	420	460	705	765
Indoor CFM @0.1" ESP	Low	325	325	550	600	325	325	550	600
	High	385	430	640	700	385	430	640	700
Indoor CFM @0.15" ESP	Low	310	310	510	560	310	310	510	560
	High	370	415	610	670	370	415	610	670
Indoor CFM @0.2" ESP	Low	295	295	480	525	295	295	480	525
	High	355	400	585	635	355	400	585	635
Indoor CFM @0.25" ESP	Low	270	270	450	490	270	270	450	490
	High	325	380	565	615	325	380	565	615
Indoor CFM @0.3" ESP	Low	260	260	400*	440*	260	260	400*	440*
	High	300	350	550	600	300	350	550	600
Indoor CFM @0.35" ESP	Low	-		365	400	-		365	400
	High	-		500	540	-		500	540
Indoor CFM @0.4" ESP	Low	-		320	350	-		320	350
	High	-		450*	490*	-		450*	490*
Ventilation									
CFM		Up to 60							

*Maximum allowable static. Units rated at 0.3" ESP.

Notes

[1] Tested in accordance with AHRI Standard 210/240

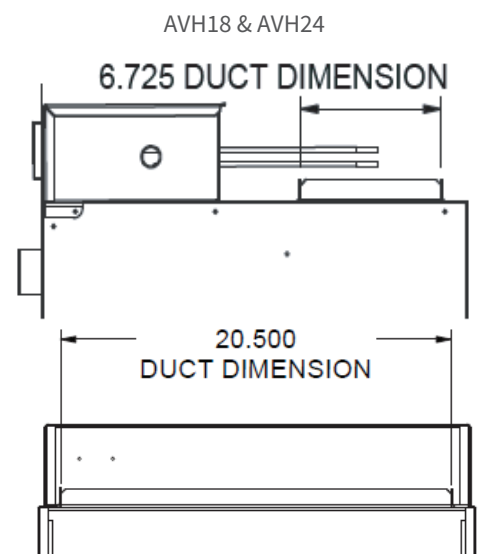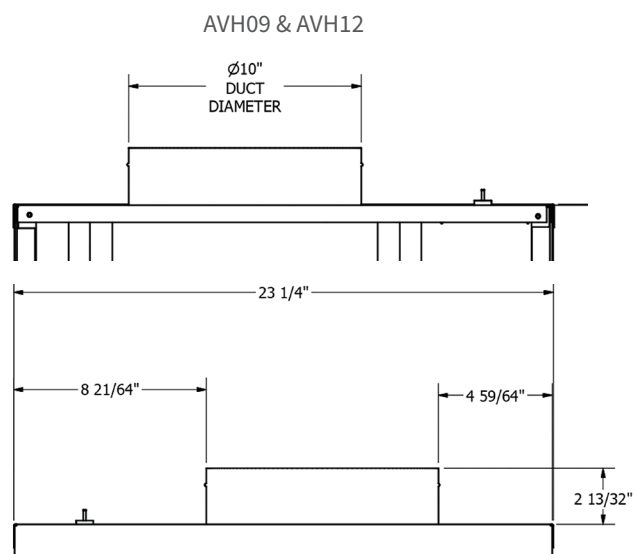[2] Minimum voltage on 230/208-volt models is 197 volts; maximum is 253 volts. Minimum voltage on 265-volt models is 239 volts; maximum is 292 volts.

[3] Specify two-digit heater kW size to complete model number.

[4] R32 refrigerant used in all systems

[5] All specifications are subject to change without notice.

AVH MODEL SPECIFICATIONS—ELECTRIC HEAT

| Voltage [2,3] | Electric Heater Size | Nominal Heating | | | Total Watts | Electric Heater Amps | Total Electric Heater Amps | Min. Circuit Ampacity [1] | MOP (Amps) [1] | Power Cord |
		at 230V	at 208V	at 265V						
AVH09, AVH12, AVH18										
230/208	2.5 / 2.0	8,300	6,300		2,450 / 2,000	10.7 / 9.6	11.5 / 10.4	14.4	15	Hardwired
230/208	3.4 / 2.7	11,400	9,300		3,350 / 2,740	14.6 / 13.2	15.4 / 14.0	19.3	20	Hardwired
230/208	5.9 / 4.1	17,000	13,900		5,000 / 4.090	21.7 / 19.7	22.5 / 20.5	28.2	30	Hardwired
230/208	7.5 / 6.1	25,500	20,900		7,500 / 6,135	32.6 / 29.5	33.4 / 30.3	41.8	45	Hardwired
265	2.5			8,300	2,450	9.2	10.0	13.9	15	Hardwired
265	3.4			11,400	3,350	12.6	13.4	16.9	20	Hardwired
265	5.0			17,000	5,000	18.9	19.7	25.6	30	Hardwired
265	7.5			25,500	7,500	28.3	29.1	36.4	40	Hardwired
AVH24										
230/208	2.5 / 2.0	8,300	6,800		2,450 / 2,000	10.7 / 9.6	11.5 / 10.4	14.4	20	Hardwired
230/208	3.4 / 2.7	11,400	9,300		3,350 / 2,740	14.6 / 13.2	15.4 / 14.0	19.3	25	Hardwired
230/208	5.0 / 4.1	17,000	13,900		5,000 / 4,090	21.7 /19.7	22.5 / 20.5	28.2	30	Hardwired
230/208	7.5 / 6.1	25,500	20,900		7,500 / 6,135	32.6 / 29.5	33.4 / 30.3	41.8	45	Hardwired
230/208	10.0 / 8.2	34,400	27,900		10,000 / 8,180	43.5 / 39.3	44.3 / 40.1	55.4	60	Hardwired
265	2.5			8,300	2,450	9.2	10.0	15.5	20	Hardwired
265	3.4			11,400	3,350	12.6	13.4	18.5	20	Hardwired
265	5.0			17,000	5,000	18.9	19.7	27.3	30	Hardwired
265	7.5			25,500	7,500	28.3	29.1	36.2	40	Hardwired
265	10.0			34,400	10,000	37.7	38.5	47.9	50	Hardwired

Notes

[1] Minimum branch circuit ampacity rating conform to the National Electric Code, however, local codes should apply

[2] Minimum voltage on 230/208-volt models is 197 volts, maximum is 253 volts. Minimum voltage on 265-colt models is 239, maximum is 292

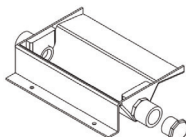[3] All specifications are subject to change without notice

NOMINAL UNIT DIMENSIONS

31"
23"
23"

Application Models
AVH09***AXXX
AVH12***AXXX

47"
23"
23"

Application Models
AVH18***AXXX

51"
23"
23"

Application Models
AVH24***AXXX

UNIT DUCT DIMENSIONS

AVH09 & AVH12

Ø10"
DUCT
DIAMETER

23 1/4"

8 21/64"

4 59/64"

2 13/32"

AVH18 & AVH24

6.725 DUCT DIMENSION

20.500
DUCT DIMENSION

ACCESSORIES

Exterior Wall Adaptor Two-part sleeve that telescopes in and out from 5 1/2" to 8" in depth for AVEWA05-08A and 8" to 14" in depth for AVEWA08-14A. The wall adapter sits inside the exterior wall penetration.	**Dimensions:** 30 3/8" high x 24 1/8" wide **Cutout Dimensions:** 30 7/8" high x 24 5/8" wide **AVEWA05-08A** — Exterior wall adapter that telescopes from 5 1/2" to 8" as required. **AVEWA08-14A** — Exterior wall adapter that telescopes from 8" to 14" as required.	
Architectural Louver Extruded aluminum louver that attaches to the outdoor section of the wall adapter.	**Dimensions:** 31 1/16" high x 25 9/16" wide **AVAGK01CB** — Anodized aluminum **AVAGK01TB** — Stonewood beige **AVAGK01DB** — Dark bronze **AVAGK01WB** — Amana white **AVAGK01SB** — Custom color	
Access Panel/Return Air Grille Serves as an access panel to chassis and interior return air grille. A field-supplied (25" x 20") filter can be mounted inside the hinged access door. Kit contains hinge bracket for mounting the door with the return air openings high or low on the door for optimal sound attenuation. For 9,000/12,000/18,000 BTU models, it is recommended to install the door with the hinge on the right side and the return air openings high on the door.	**Dimensions:** 58" high x 29" wide **Cutout Dimensions:** 55 3/4" high x 27" wide **AVLWP01A-L** — Access panel/return air grille. Hinge pre-installed on left side. **AVLWP01A-R** — Access panel/return grille. Hinge pre-installed on right side. **AVSWP01A** — Solid side access panel	
Accessory Drain Pan/Kit Both left and right-hand connections available. REQUIRED FOR LARGE FRAME VTAC INSTALLATIONS. AVH18 & AVH24	**AVDK18-2401B** — For H, K, & J series units Accessory drain pan/kit	
First Company Sleeve Adapter Designed as a welded adapter; allows retrofit of AVH09 and AVH12 units into existing First Company SPXR series SPVU wall sleeve and louver. Not available for AVH18 or AVH24 models.	**AVAKFC01A** — First Company Sleeve Adapter for AVH09 & AVH12 units	
Digital Wall Thermostat 3" backlit display with 2 speed fan operation, temperature limiting and adjustable field calibration.	**PHWT-A150H** — Digital wall thermostat	
Digital Wall Thermostat Auto-changeover and/or programmable digital wall thermostat - 4 1/4" backlit display with 2 speed fan operation, temperature limiting and adjustable field calibration.	**PHWT-A200** — Digital wall thermostat	

ACCESSORIES (CONTINUED)

Wireless RF Energy Management Controls
Eden Energy Management Controls operating on 2.4 Ghz 802 15.4 radio frequency allows units to be configured for energy management. You can also control and monitor your entire property with the optional DL01G Web-enabled platform.

DS01G	Thermostat: 2-way[2] communications
DD01E	Occupancy sensor: EMS activation[2]
GT01H	Generic radio antenna / router[3]
DD01F	Door switch: EMS activation[2]
DL01G	Web-enabled platform server link BAC-NET capable
DR01G	Mesh repeater[1]
DL01G-SERIAL	Serial repeater[1]

Discharge Adapter
Adapter to convert factory rectangular discharge duct into standard 10" circular duct connection.

AVDTK18-24A	AVH18 & 24 discharge adapter
AVDTK09-12A	AVH09 & 12 discharge adapter

Extra Deep Filter Brackets
Replacement bracket to accommodate 2" or 4" deep filters

AMAVPFK0912-2	Small chassis 2" filter bracket
AMAVPFK0912U	Small chassis 4" filter bracket
AMAVPFK1824-2	Large chassis 2" filter bracket
AMAVPFK1824U	Large chassis 4" filter bracket

Notes
[1]   Consult Amana sales representative prior to purchase
[2]   Requires DT01G for use
[3]   Requires DS01G for use

Amana Heating & Air Conditioning ®

A LEGACY
OF COMFORT

THE IMPECCABLE REPUTATION
OF AN AMERICAN ORIGINAL

Amana heating and cooling systems are a part of the enduring legacy of one of America's most recognized and respected brands. Originating eight decades ago in Amana, Iowa, the brand is synonymous with long-lasting, premium-quality products—from home appliances to heating and air conditioning equipment. Chances are, you and generations before you have enjoyed the dependable performance and longevity the **Amana** brand continues to deliver.

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CALL YOUR **AMANA** BRAND PTAC SALES REPRESENTATIVE
AT 800.647.2982 FOR COMPLETE DETAILS.

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost or energy efficiency rating that is available from your retailer.

MC-VTAC 10-25