

PTAC Direct Sales, Inc.
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VERTICAL TERMINAL AIR CONDITIONER (VTAC) AND HEAT PUMP

Specifications and Accessories Catalog

Wise Decision.
It's an Amana® brand.



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Premium Amana®
Brand Quality

Featuring
DigiSmart®

Web-Based
Monitoring

Product Features

- Chlorine-free R-410A refrigerant
- Slinger ring technology
- Compressor restart delay
- Low-ambient lock-out
- Adjustable fresh air damper
- Telescoping exterior wall adapter
- Safety power disconnect
- Wall-mount thermostat
- Electrical disconnect
- Random unit restart
- Completed insulated cabinet for quiet operation
- “Ductable” to multiple rooms
- Secondary overflow drains
- 5 year limited warranty
- Corrosion resistant blue fin condenser coils

Nomenclature

	A	V	H	09	3	H	25	AXXX	
	1	2	3	4,5	6	7	8,9	10,11,12,13	
Brand	A Amana® Brand								Standard Model
Product Category	V Vertical PTAC								Electrical Heater Size
Unit Type	H Heat Pump								25 = 2.5 kW
									35 = 3.4 kW
									50 = 5 kW
									75 = 7.5 kW
									10 = 10 kW
Efficiency	09 = 9,000 BTU/h 18 = 18,000 BTU/h								Series
	12 = 12,000 BTU/h 24 = 24,000 BTU/h								H = 11.0 EER, DOE 2019 Compliant
Voltage	3 = 208/230v								
	4 = 277v								

AVH Model Specifications—Heat Pump/Electric Heat

MODEL ^{1, 5, 6, 7}		AVH093H **AXXX	AVH094H **AXXX	AVH123H **AXXX	AVH124H **AXXX	AVH183H **AXXX	AVH184H **AXXX	AVH243H **AXXX	AVH244H **AXXX
Voltage ⁴		230 / 208	265	230 / 208	265	230 / 208	265	230 / 208	265
Capacity (BTU/h)		9,400 / 9,000	9,400	11,400 / 11,000	11,400	18,600 / 18,000	18,600	22,500 / 22,500	22,500
Amps ³		4.0 / 4.5	3.5	4.5 / 5.0	4.0	7.3 / 7.8	7.3	10.5/10.5	10.5
Watts ³		864 / 818	864	1,050 / 1,000	1,050	1,691 / 1,636	1,691	2,045	2,045
EER		11.0 / 11.0	11.3	11.0 / 11.0	11.0	11.0 / 11.0	11.1	11.0 / 11.0	11.0
Heater Size Options (kW)		2.5 / 3.4 / 5.0	2.5 / 3.4 / 5.0	2.5 / 3.4 / 5.0	2.5 / 3.4 / 5.0	2.5 / 3.4 / 5.0	2.5 / 3.4 / 5.0	2.5 / 3.4 / 5.0 / 7.5 / 10.0	2.5 / 3.4 / 5.0 / 7.5 / 10.0
Indoor CFM at .10" ESP	LOW	430	430	430	430	630	630	660	660
	HIGH	490	490	490	490	675	675	700	700
Indoor CFM at .15" ESP	LOW	410	410	410	410	595	595	615	615
	HIGH	470	470	470	470	640	640	665	665
Indoor CFM at .20" ESP	LOW	360	360	360	360	550	550	575	575
	HIGH	440	440	440	440	600	600	625	625
Indoor CFM at .25" ESP	LOW	310	310	310	310	505	505	525	525
	HIGH	400	400	400	400	550	550	580	580
Indoor CFM at .30" ESP	LOW	260	260	260	260	420	455	455	485
	HIGH	350	350	350	350	500	500	540	540
Maximum ESP (Inch of Water Column)		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Ventilated Air, CFM (Fan Only) ²		60	60	60	60	60	60	60	60
Dimensions (W x D x H) (Inches)		23 x 23 x 32	23 x 23 x 32	23 x 23 x 32	23 x 23 x 32	23 x 23 x 47	23 x 23 x 47	23 x 23 x 52	23 x 23 x 52
Shipping Dimensions (W x D x H) (Inches)		26 x 25 x 35	26 x 25 x 35	26 x 25 x 35	26 x 25 x 35	26 x 25 x 52	26 x 25 x 52	26 x 25 x 57	26 x 25 x 57
Net Weight (lbs.)		142	144	147	149	190	192	225	227
Shipping Weight (lbs.)		164	166	169	171	216	218	251	253

Notes:

1. Tested in accordance with AHRI Standard 390-93 at 95°F DB/75°F WB OUTDOOR, 80°F DB/67°F WB INDOOR
2. Actual vent CFM performance will vary due to application and installation conditions
3. Refer to electric heat performance data for total MCA and recommended overcurrent protection.
Amps and Watts notation refers to compressor only.
4. 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.
5. Specify two-digit heater kW size to complete model number.
6. R-410A refrigerant used in all systems.
7. All specifications are subject to change without notice

AVH Model Specifications—Reverse-Cycle Heating Performance

HEATING CAPACITY ^{6, 5, 3, 4}	AVH093H **AXXX	AVH094H **AXXX	AVH123H **AXXX	AVH124H **AXXX	AVH183H **AXXX	AVH184H **AXXX	AVH243H **AXXX	AVH244H **AXXX
Voltage ²	230 / 208	265	230 / 208	265	230 / 208	265	230 / 208	265
BTU/h	8,500 / 8,200	8,500	10,800 / 10,500	10,800	17,000 / 16,500	17,000	19,500	19,500
Amps ¹	3.6	3.1	4.5	3.7	7.0	6.1	9.2	9.2
Watts ¹	730	730	940	940	1,480	1,480	1,732	1,732
COP	3.3 / 3.3	3.3	3.2 / 4.5	3.3	3.3 / 3.3	3.3	3.3 / 3.3	3.3

Notes:

1. Refer to electric heat performance data for total MCA and recommended overcurrent protection. Amps and Watts notation refers to compressor only.
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. R-410A refrigerant used in all systems.
5. Tested in accordance with AHRI standard 390-93 at 47°F DB/43°F WB OUTDOOR, 70°F DB/60°F WB INDOOR
6. All specifications are subject to change without notice

AVH09-AVH18 Model Specifications—Electric Heat Performance

VOLTAGE ^{2, 3}	ELECTRIC HEATER SIZE (KW)	NOMINAL HEATING			TOTAL WATTS	TOTAL AMPS	MIN. CIRCUIT AMPACITY ¹	MOP (AMPS) ¹	POWER CORD
		@ 230V	@ 208V	@ 265V					
230 / 208V	2.5 / 2.1	8,500	7,000		2,500 / 2050	12.0 / 11.1	15	15	Hardwired
230 / 208V	3.4 / 2.8	11,600	9,500		3,400 / 2,780	16.0 / 14.6	19.9	20	Hardwired
230 / 208V	5.0 / 4.1	17,000	13,900		5,000 / 4090	22.9 / 20.9	28.6	30	Hardwired
265V	2.5			8,500	2,500	10.5	13.1	15	Hardwired
265V	3.4			11,600	3,400	13.9	17.4	20	Hardwired
265V	5			17,000	5,000	19.9	24.9	30	Hardwired

Notes:

1. Minimum branch circuit ampacity ratings 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-volt models is 239 volts; maximum is 292 volts.
3. All specifications are subject to change without notice

AVH24 Model Specifications—Electric Heat Performance

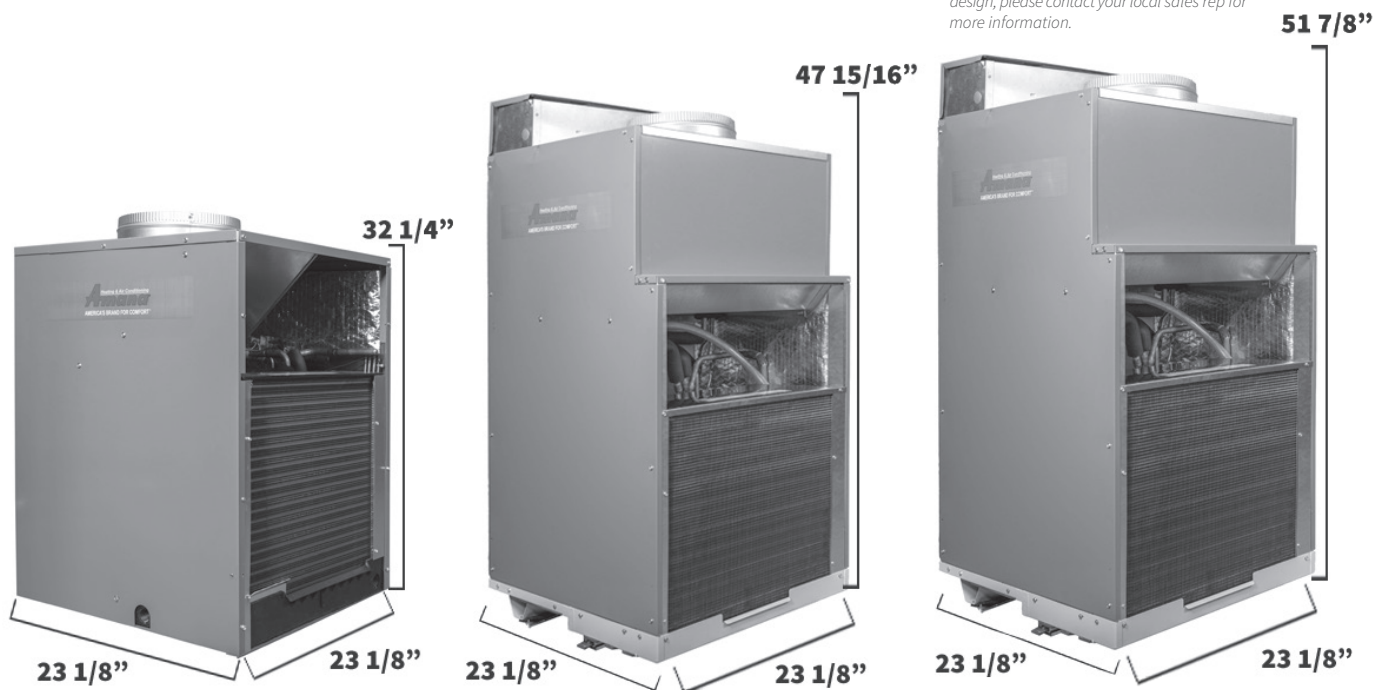
VOLTAGE ^{2, 3}	ELECTRIC HEATER SIZE (KW)	NOMINAL HEATING			TOTAL WATTS	TOTAL AMPS	MIN. CIRCUIT AMPACITY ¹	MOP (AMPS) ¹	POWER CORD
		@ 230V	@ 208V	@ 265V					
230 / 208V	2.5 / 2.1	8,500	7,000		2,500 / 2050	12.3 / 11.3	15.4	20	Hardwired
230 / 208V	3.4 / 2.8	11,600	9,500		3,400 / 2,780	16.2 / 14.8	20.3	25	Hardwired
230 / 208V	5.0 / 4.1	17,000	13,900		5,000 / 4090	23.1 / 21.1	29.0	30	Hardwired
230 / 208V	7.5 / 6.1	25,600	20,900		7,500 / 6,135	34.0 / 30.9	42.6	45	Hardwired
230 / 208V	10.0 / 8.2	34,100	27,900		10,000 / 8,180	44.9 / 40.7	56.1	60	Hardwired
265V	2.5			8,500	2,500	10.8	13.6	20	Hardwired
265V	3.4			11,600	3,400	14.2	17.48	20	Hardwired
265V	5			17,000	5,000	20.3	25.4	30	Hardwired
265V	7.5			25,600	7,500	29.7	37.2	40	Hardwired
265V	10			34,100	10,000	39.1	49.0	50	Hardwired

Notes:

1. Minimum branch circuit ampacity ratings 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-volt models is 239 volts; maximum is 292 volts.
3. All specifications are subject to change without notice

Unit Dimensions

*Image shown is not representative of AVH24 design, please contact your local sales rep for more information.

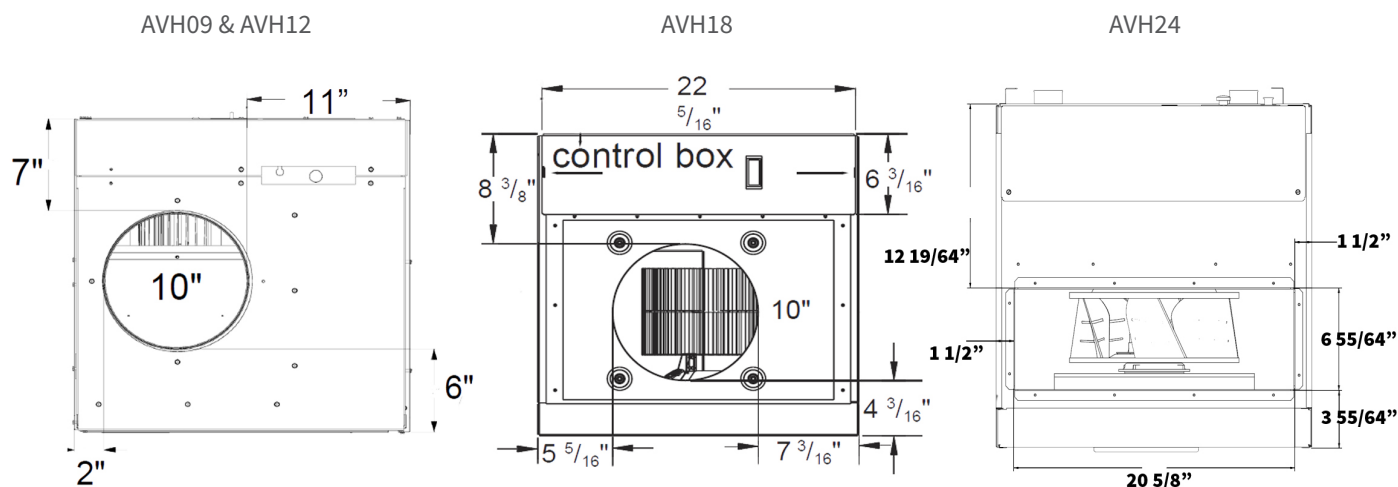


Applicable Models
AVH093
AVH094
AVH123
AVH124




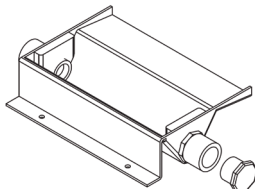
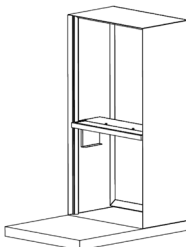


Applicable Models
AVH183
AVH184

Applicable Models
AVH243
AVH244

Unit Top View Dimensions



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 <table><tr><td>AVEWA05-08A</td><td>Exterior wall adapter that telescopes from 5 1/2” to 8” as required.</td></tr><tr><td>AVEWA08-14A</td><td>Exterior wall adapter that telescopes from 8” to 14” as required.</td></tr></table>	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.							
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 <table><tr><td>AVAGK01CB</td><td>Anodized Aluminum</td></tr><tr><td>AVAGK01TB</td><td>Stonewood Beige</td></tr><tr><td>AVAGK01DB</td><td>Dark Bronze</td></tr><tr><td>AVAGK01WB</td><td>Amana White</td></tr><tr><td>AVAGK01SB</td><td>Custom Color</td></tr></table>	AVAGK01CB	Anodized Aluminum	AVAGK01TB	Stonewood Beige	AVAGK01DB	Dark Bronze	AVAGK01WB	Amana White	AVAGK01SB	Custom Color	
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 <table><tr><td>AVLWP01A-L</td><td>Access Panel/Return Air Grille Hinge pre-installed on left side.</td></tr><tr><td>AVLWP01A-R</td><td>Access Panel/Return Grille. Hinge pre-installed on right side.</td></tr></table>	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.							
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.											
ACCESSORY DRAIN PAN/KIT Both left and right-hand connections available. REQUIRED FOR LARGE FRAME VTAC INSTALLATIONS. AVH18 & AVH24	<table><tr><td>AVDK18-2401B</td><td>For “H” Series Units Accessory Drain Pan/Kit</td></tr></table>	AVDK18-2401B	For “H” Series Units Accessory Drain Pan/Kit									
AVDK18-2401B	For “H” 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 & AVH24 models.	<table><tr><td>AVAKFC01A</td><td>First Company Sleeve Adapter for AVH09 & AVH12 units</td></tr></table>	AVAKFC01A	First Company Sleeve Adapter for AVH09 & AVH12 units									
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	<table><tr><td>PHWT-A150H</td><td>Digital Wall Thermostat</td></tr></table>	PHWT-A150H	Digital Wall Thermostat									
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	<table><tr><td>PHWT-A200</td><td>Digital Wall Thermostat</td></tr></table>	PHWT-A200	Digital Wall Thermostat									
PHWT-A200	Digital Wall Thermostat											

Accessories Contd.

Wireless RF Energy Management Controls
Eden Energy Managements 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 Antena/ Router ³
DD01F	Door Switch: EMS Activation ²
DP01G	Web-enabled Platform Server
DL01G	Web-enabled Platform Server Link BAC-NET capable
DR01G	Mesh Repeater ¹
DL01G-SERIEAL	Serial Repeater ¹





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.



Intertek

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