

AAW SERIES ELECTRIC HEAT AIR HANDLER

VERTICAL WALL MOUNT



Unit shown with service panels removed.
Representative image only.
Some models may vary in appearance.

APPLICATION VERSATILITY

Front or bottom return air position. Offset hanging brackets attach to unit and wall to allow hanging inside closet. Can be AHRI matched with most brands of air conditioners or heat pumps.

- A2L refrigerants require a Refrigerant Detection System (RDS) for compliance. In accordance to UL 60335 Refrigerant Detection Systems are factory-installed on A2L refrigerant ready air handlers.
- ETL listed for R22 and 410A. ETL listed for R454B and R32 with Refrigerant Detection System (RDS).

LOW LEAKAGE CABINET

Less than 1.4% air leakage from cabinet when tested in accordance with ASHRAE standard 193. Unit must be installed according to Aspen installation instructions. Sturdy, fully insulated galvanized steel cabinet; stick pins ensure 1/2" insulation remains in place. Unit ships with disposable filter.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available from 3 to 25 KW. Models with electric heat include sequencers and temperature limit switches for safe, efficient operation. Modules are easily installed in the field using molex plugs or can be ordered factory-installed. Controls are accessible from the front for easy service. Electrical connections can be made from the top or left. Disconnect does not protrude through the wall panel. Fan time delay relay standard for increased efficiency.

BLOWER

Direct drive multi-speed blowers circulate air quietly and efficiently. Motor speeds can be easily selected via motor terminals. Swing mounted blowers can be easily removed for service.

ELECTRONIC CIRCUIT BOARD

Electronic circuit board provides 30 secs ON/OFF blower time delay extracting more heat/cool from the coil. Automotive-style pull fuse protection on the circuit board to provide low voltage and transformer protection.

DX COIL

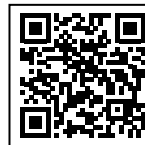
All coils immersion tested at 500 psi then Nitrogen pressurized and factory sealed for maximum reliability. Liquid-line Schrader allows pre-installation pressure testing. Available with either orifice or TXV metering device. Field-installable bolt-on TXVs are also available. Rugged GLP drain pan holds minimal condensate while eliminating the possibility of corrosion. Drain pan is UV safe. Galvanized metal drain pan with bottom primary and secondary drain connections or alternate right side primary. All connections 3/4" NPT. Access door allows for coil cleaning.

WARRANTY Ten-year limited parts warranty with registration. **OPTIONS** See options menu.

AAW-SS-AH-001

HELPFUL LINKS**VIEW PRODUCT ONLINE**

For full warranty terms and conditions, please refer to the Warranty Information section on Aspen's official website.

**AHRI QUICK MATCH TOOL**

Identify the correct AHRI-certified match for any Aspen coil, air handler, or Aspen PRO air handler. Available on the Resources page.



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HEATING/COOLING PERFORMANCE & ELECTRICAL DATA											
MODEL	PERFORMANCE DATA							ELECTRICAL DATA			
	NOM. COOLING	ELECTRIC HEAT KIT	MIN. SPEED TAP	HEATING (KW)		HEATING CAPACITY (MBTUH)		MIN. CIRCUIT AMPACITY (MCA2)		MAX. BREAKER OR FUSE SIZE (MFU)	
	BTU			208V	240V	208V	240V	208V	240V	208V	240V
AAW 18/23/24	18,000-24,000	F(C,T)S00	-	0.0	0.0	1.4	1.4	1.8	1.8	15A	15A
		F(C,T)S03	LO	2.3	3.0	12.2	13.9	15.3	17.4	20A	20A
		F(C,T)S05	LO	3.6	4.8	18.7	21.4	23.4	26.8	25A	30A
		F(C,T)S06	HI	4.5	6.0	23.0	26.4	28.8	33.0	30A	35A
		F(C,T)S08	HI	6.0	8.0	30.2	34.7	37.8	43.4	40A	45A
		F(C,T)S10	HI	7.2	9.6	36.0	41.4	45.0	51.8	45A	60A
AAW 19/20/25/26		F(C,T)S00	-	0.0	0.0	1.4	1.4	1.8	1.8	15A	15A
		F(C,T)S03	LO	2.3	3.0	12.2	13.9	15.3	17.4	20A	20A
		F(C,T)S05	LO	3.6	4.8	18.7	21.4	23.4	26.8	25A	30A
		F(C,T)S06	HI	4.5	6.0	23.0	26.4	28.8	33.0	30A	35A
		F(C,T)S08	HI	6.0	8.0	30.2	34.7	37.8	43.4	40A	45A
		F(C,T)S10	HI	7.2	9.6	36.0	41.4	45.0	51.8	45A	60A
AAW 30	30,000	F(C,T)S00	-	0.0	0.0	2.6	2.6	3.3	3.3	15A	15A
		F(C,T)S03	LO	2.3	3.0	13.4	15.1	16.8	18.9	20A	20A
		F(C,T)S05	LO	3.6	4.8	19.9	22.6	24.9	28.3	25A	30A
		F(C,T)S06	LO	4.5	6.0	24.2	27.6	30.3	34.5	35A	35A
		F(C,T)S08	LO	6.0	8.0	31.4	35.9	19.3	44.9	40A	45A
		F(C,T)S10	LO	7.2	9.6	37.2	42.6	46.5	53.3	50A	60A
AAW 36	36,000	F(C,T)S00	-	0.0	0.0	2.6	2.6	3.3	3.3	15A	15A
		F(C,T)S03	LO	2.3	3.0	13.4	15.1	16.8	18.9	20A	20A
		F(C,T)S05	LO	3.6	4.8	19.9	22.6	24.9	28.3	25A	30A
		F(C,T)S06	HI	4.5	6.0	24.2	27.6	30.3	34.5	35A	35A
		F(C,T)S08	HI	6.0	8.0	31.4	35.9	19.3	44.9	40A	45A
		F(C,T)S10	HI	7.2	9.6	37.2	42.6	46.5	53.3	50A	60A
AAW 31	30,000	F(C,T)M00	-	0.0	0.0	2.6	2.6	3.3	3.3	15A	15A
		F(C,T)M03	LO	2.3	3.0	13.4	15.1	16.8	18.9	20A	20A
		F(C,T)M05	LO	3.6	4.8	19.9	22.6	24.9	28.3	25A	30A
		F(C,T)M06	HI	4.5	6.0	24.2	27.6	30.3	34.5	35A	35A
		F(C,T)M08	HI	6.0	8.0	31.4	35.9	19.3	44.9	40A	45A
		F(C,T)M10	HI	7.2	9.6	37.2	42.6	46.5	53.3	50A	60A
AAW 37	36,000	F(C,T)M00	-	0.0	0.0	2.6	2.6	3.3	3.3	15A	15A
		F(C,T)M03	LO	2.3	3.0	13.4	15.1	16.8	18.9	20A	20A
		F(C,T)M05	LO	3.6	4.8	19.9	22.6	24.9	28.3	25A	30A
		F(C,T)M06	HI	4.5	6.0	24.2	27.6	30.3	34.5	35A	35A
		F(C,T)M08	HI	6.0	8.0	31.4	35.9	19.3	44.9	40A	45A
		F(C,T)M10	HI	7.2	9.6	37.2	42.6	46.5	53.3	50A	60A

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BLOWER DATA									
MODEL	PSC MOTOR				CFM VS EXTERNAL STATIC*† (WET COIL)				
	SPEED TAP	HP	AMPS	VOLT	0.1	0.2	0.3	0.4	0.5
AAW 18/23/24	LOW	1/5	1.4	240	834	795	746	687	620
	HIGH	1/5	1.4		930	888	823	749	680
AAW 19/25	LOW	1/5	1.4		740	710	685	650	615
	HIGH	1/5	1.4		930	880	830	770	710
AAW 20/26	LOW	1/5	1.4		727	696	674	640	604
	HIGH	1/5	1.5		909	866	814	757	696
AAW 30/36	LOW	1/3	2.6		1123	1094	1062	1034	1000
	HIGH	1/3	2.6		1396	1358	1313	1261	1200
AAW 31/37	LOW	1/3	2.6		1154	1100	1042	982	901
	HIGH	1/3	2.6		1256	1193	1113	1057	982

*Wet coil with filter, † - For 208 V multiply by 0.90

AIR HANDLER CHASSIS NOMENCLATURE			
AAW	NOM. TON.	METERING DEVICE	OPTION CODE
	18	4	-001
240V PSC MOTOR VERTICAL WALL MOUNT AIR HANDLER	18 = 18,000 24 = 24,000 30 = 30,000 36 = 36,000 (MBTUH)	R410A + R22	OPTION CODE
		4 = R410A (TXV NON-BLEED AC or HP) X = R22 (TXV NON-BLEED AC or HP) G = R410A (PISTON) B = R22 (TXV 20% BLEED AC or HP) F = R22 (PISTON)	
		R454B + R32	
		J = R454B (TXV NON-BLEED AC or HP) D = R32 (TXV NON-BLEED AC or HP) K = R454B (TXV 20% BLEED AC or HP) M = R32 (PISTON) N = R454B (PISTON)	

ELECTRIC HEAT NOMENCLATURE			
HEAT KIT SERIES	POWER CONNECTION	CABINET SIZE & NOM. TONNAGE	HEAT STRIP
F	C	S/M	KW
WALL MOUNT ELECTRIC HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK	S = (SMALL) 21/22/27/28 M = (MEDIUM) 29/32/33/34/35/38	00 = 0 KW 03 = 3 KW 05 = 5 KW 06 = 6 KW 08 = 8 KW 10 = 10 KW

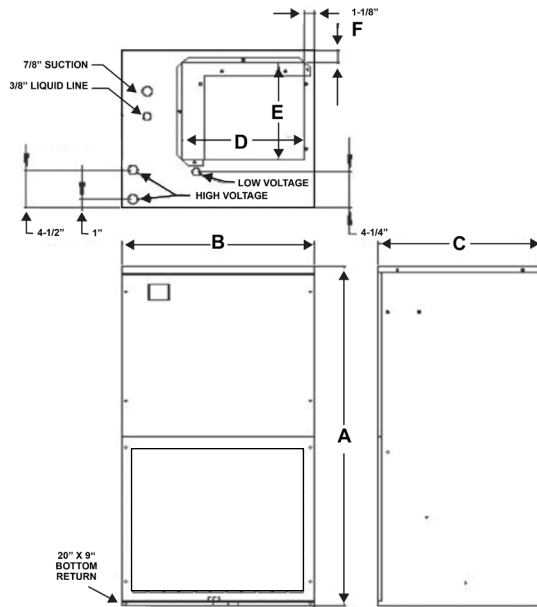
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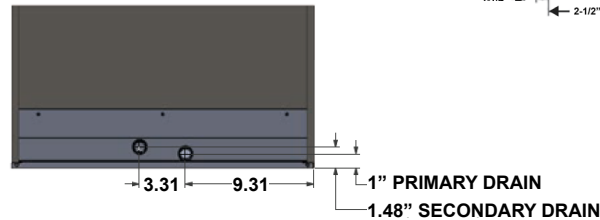
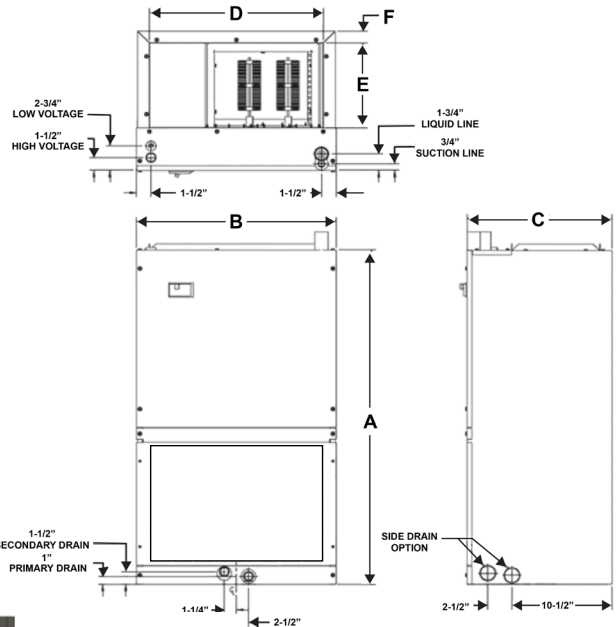
AAW DIMENSIONS (In.) - FIGURE 1									
MODEL	A	B	C	D	E	F	FILTER	SHIPPING INFO	
								WEIGHT	QTY
AAW18*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	20X20	90	4
AAW19*	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	80	
AAW20*	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	80	
AAW23*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	20X20	90	
AAW24*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	20X20	90	
AAW25*	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	80	
AAW26	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	80	
AAW30*	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1-3/8 [35]	20X20	102	
AAW31*	36 [915]	24 [610]	21 [533]	20-1/2 [521]	12 [305]	1-1/4 [32]	20X20	90	
AAW36*	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1-3/8 [35]	20X20	102	
AAW37*	36 [915]	24 [610]	21 [533]	20-1/2 [521]	12 [305]	1-1/4 [32]	20X20	90	

FIGURE 1

AAW 18/23/24/30/36



AAW 19/20/25/26/31/37



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The image contains two technical drawings. The left drawing, titled 'ACCESS PANEL', shows a rectangular panel with a vented bottom section. It is labeled with dimension 'C' for width and 'D' for height. The right drawing, titled 'FRAME', shows a rectangular frame with dimensions 'A' (width), 'B' (height), 'E' (inner width), and 'F' (inner height).

DIMENSIONS & SPECIFICATIONS (In.) - FIGURE 2									
PANEL MODEL	FOR USE WITH	FINISH	OPENING SIZE		PANEL DIMENSION		FRAME DIMENSION		# OF PANELS
			A	B	C	D	E	F	
WAD-7(S/L)	AAW 18/23/24	Embossed	22-5/8	39-7/8	24-1/2	41-1/2	24-1/8	41-3/8	1
WAD-8(S/L)	AAW 30/36		22-5/8	42-7/8	24-1/2	44-1/2	24-1/8	44-3/8	
WAD-18(S/L)	AAW 18/23/24	Smooth	22-5/8	39-7/8	24-1/2	41-1/2	24-1/8	41-3/8	
WAD-19(S/L)	AAW 30/36		22-5/8	42-7/8	24-1/2	44-1/2	24-1/8	44-3/8	
WAD-20(S/L)	AAW 19/20/25/26	Embossed	20-1/8	38-3/8	22-3/4	40	22-5/8	39-7/8	
WAD-21(S/L)	AAW 31/37		24-5/8	38-3/8	26-1/2	40	26-1/8	39-7/8	
WAD-22(S/L)	AAW 19/20/25/26	Smooth	21-1/8	38-3/8	22-3/4	40	22-5/8	39-7/8	
WAD-23(S/L)	AAW 31/37		24-5/8	38-3/8	26-1/2	40	26-1/8	39-7/8	

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