

AAW SERIES

VERTICAL WALL MOUNT ELECTRIC HEAT AIR HANDLERS

FEATURES, BENEFITS, DIMENSIONS, & SPECIFICATIONS



Unit shown with service panels removed. Representative drawing only. Some models may vary in appearance. Due to continuous product improvement, specifications are subject to change without notice.

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.

- ETL listed for use with R-22, R-410A, R-454B, and R-32 when a proper metering device is used.
- In accordance to UL 60335 Refrigerant Detection Systems are factory-installed on A2L refrigerant ready air handlers.

LOW LEAKAGE CABINET

Less than 2% 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 in 3, 5, 8, and 10 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 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" FPT. Access door allows for coil cleaning.

WARRANTY Ten-year limited parts warranty.

OPTIONS See options menu.



WANT MORE INFORMATION ON ASPEN'S AAW SERIES AIR HANDLERS?

SCAN QR CODE TO VISIT THIS PRODUCT ON OUR WEBSITE



*For complete warranty details, please visit our Warranty Information tab when you visit Aspen's website.
To view this coil's product information online for the most up-to-date information scan the QR Code.*

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BLOWER DATA										
MODEL	PSC MOTOR				CFM VS EXTERNAL STATIC (Wet Coil) †					
	SPEED	HP	AMPS	VOLT.	0.10	0.20	0.30	0.40	0.50	
AAW 18/23/24	LOW	1/5	1.40	240	834	795	746	687	620	
	HIGH				930	888	823	749	680	
AAW 19/25	LOW		740		710	685	650	615		
	HIGH		930		880	830	770	710		
AAW 20/26	LOW		727		696	674	640	604		
	HIGH		909		866	814	757	696		
AAW 30/36	LOW		1/3		2.6	1123	1094	1062	1034	1000
	HIGH					1396	1358	1313	1261	1200
AAW 31/37	LOW	1154		1100	1042	982	901			
	HIGH	1256		1193	1113	1057	982			

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

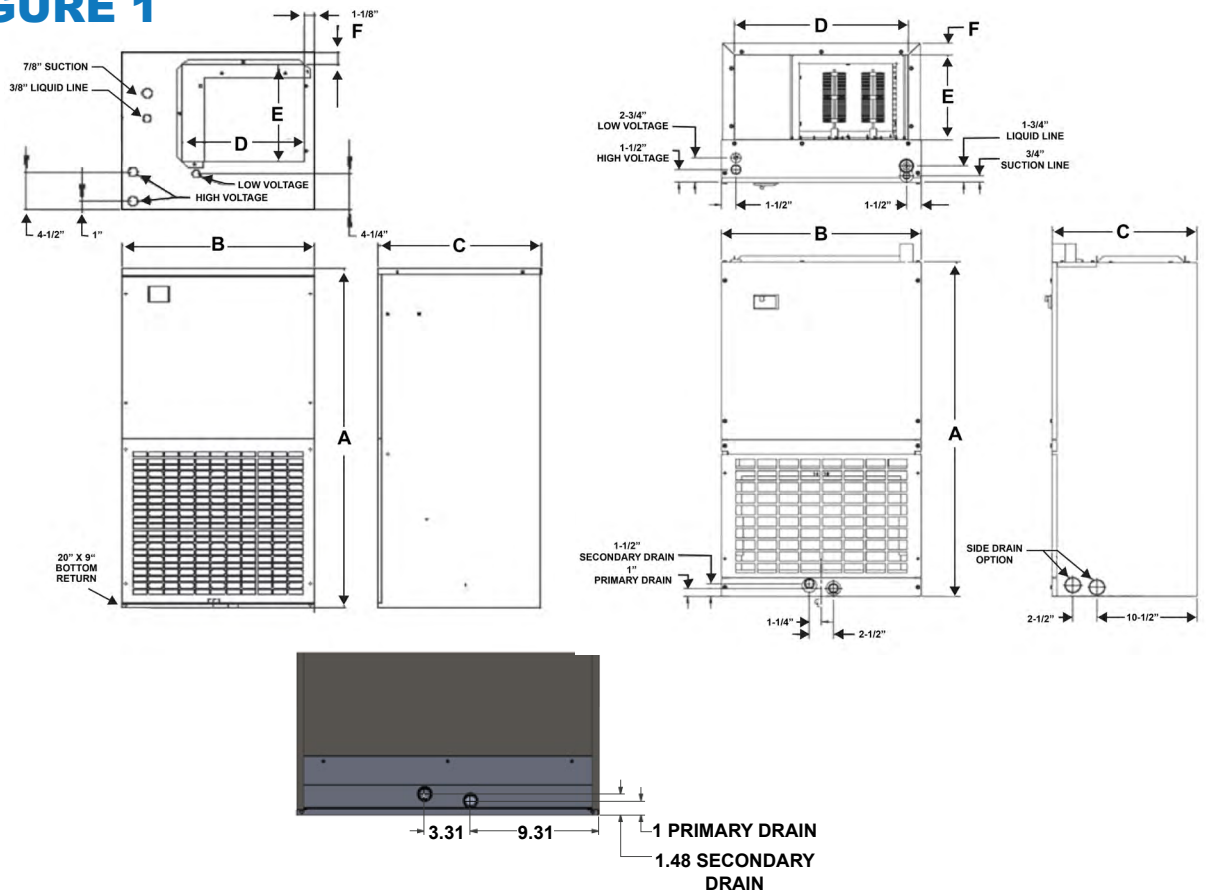
AIR HANDLER CHASSIS NOMENCLATURE			
AAW	18	4	-001
240V PSC MOTOR VERTICAL WALL MOUNT AIR HANDLER	NOMINAL TONNAGE (MBTUH)	A1 METERING DEVICE 4 = R410A (TXV NON-BLEED A/C or H/P) X = R22 (TXV NON-BLEED A/C or H/P) B = R22 (TXV 20% BLEED A/C or H/P) F = R22 (PISTON) G = R410A (PISTON)	OPTION CODE
		A2L METERING DEVICE J = R454B (TXV NON-BLEED A/C or H/P) K = R454B (TXV 20% BLEED A/C or H/P) D = R32 (TXV NON-BLEED A/C or H/P) M = R32 (PISTON) N = R454B (PISTON)	

ELECTRIC HEAT NOMENCLATURE			
E	C	S/L	03
WALL MOUNT ELECTRIC HEAT	INTERRUPTION C = CIRCUIT BREAKER T = TERMINAL BLOCK	TONNAGE S = 18-37	HEAT STRIP 03 = 3 KW 08 = 8 KW 05 = 5 KW 10 = 10 KW

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AAW DIMENSIONS (In.) - FIGURE 1										
Model	A	B	C	D	E	F	FILTER SIZE	PISTON SIZE	SHIP. WEIGHT	SKID QTY
AAW18*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	20X20	0.049	90	4
AAW19*	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	0.049	80	
AAW20*	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	0.049	80	
AAW23*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	20X20	0.049	90	
AAW24*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	20X20	0.049	90	
AAW25*	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	0.055	80	
AAW26	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	0.055	80	
AAW30*	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1 -3/8 [35]	20X20	0.059	102	
AAW31*	36 [915]	24 [610]	21 [533]	20-1/2 [521]	12 [305]	1-1/4 [32]	20X20	0.059	90	
AAW36*	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1 -3/8 [35]	20X20	0.068	102	
AAW37*	36 [915]	24 [610]	21 [533]	20-1/2 [521]	12 [305]	1-1/4 [32]	20X20	0.068	90	

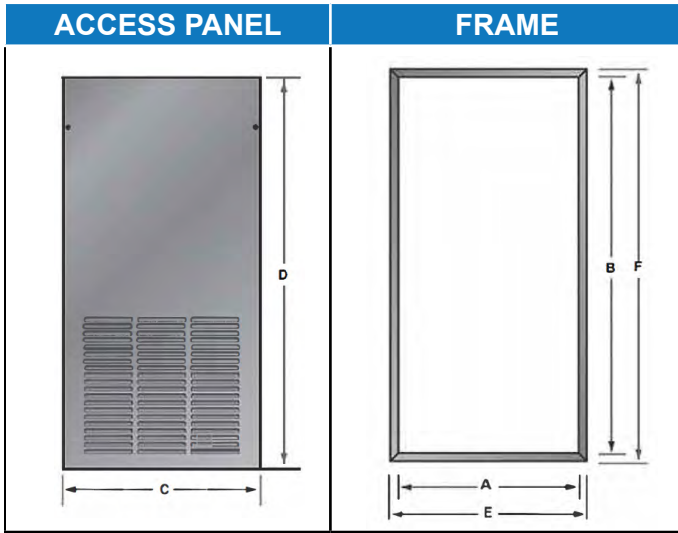
FIGURE 1



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FIGURE 2



CABINET INSTALLATION CLEARANCES (In.)		
CLEARANCE AREA	OPERATION	SERVICE
TOP	0	0
FRONT		30"
SIDES		0
REAR		

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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AAW HEATING/COOLING PERFORMANCE & ELECTRICAL DATA										
MODEL	HEAT KIT	MIN. MOTOR SPEED TAP REQUIRED F/ HEATER KITS	PERFORMANCE DATA				ELECTRICAL DATA			
			HEATING (KW)		HEATING CAPACITY (MBTUH)		MIN. CIRCUIT AMPACITY (MCA)		MAX. BREAKER OR FUSE SIZE	
			208V	240V	208V	240V	208V	240V	208V	240V
AAW 18	F[C,T]S00	18,000	0.0	0.0	0.0	0.0	1.8	1.8	15.0	15.0
	F[C,T]S03		2.3	3.0	7.8	10.2	15.3	17.4	20.0	20.0
	F[C,T]S05		3.7	4.8	12.6	16.4	23.4	26.8	25.0	30.0
	F[C,T]S06		4.6	6.0	13.5	17.9	28.8	33.0	30.0	35.0
	F[C,T]S08		6.0	8.0	20.5	27.3	37.8	43.4	40.0	45.0
	F[C,T]S10		7.2	9.6	24.5	32.8	45.0	51.8	45.0	60.0
AAW 19/20	F[C,T]S00		0.0	0.0	0.0	0.0	1.7	1.7	15.0	15.0
	F[C,T]S03		2.3	3.0	7.8	10.2	15.2	17.3	20.0	20.0
	F[C,T]S05		3.7	4.8	12.6	16.4	23.3	26.7	25.0	30.0
	F[C,T]S06		4.6	6.0	13.5	17.9	28.8	33.0	30.0	35.0
	F[C,T]S08		6.0	8.0	20.5	27.3	37.7	43.4	40.0	45.0
	F[C,T]S10		7.2	9.6	24.5	32.8	45.0	51.7	45.0	60.0
AAW 23/24	F[C,T]S00	0.0	0.0	0.0	0.0	1.8	1.8	15.0	15.0	
	F[C,T]S03	2.3	3.0	7.8	10.2	15.3	17.4	20.0	20.0	
	F[C,T]S05	3.7	4.8	12.6	16.4	23.4	26.8	25.0	30.0	
	F[C,T]S06	4.6	6.0	13.5	17.9	28.8	33.0	30.0	35.0	
	F[C,T]S08	6.0	8.0	20.5	27.3	37.8	43.4	40.0	45.0	
	F[C,T]S10	7.2	9.6	24.5	32.8	45.0	51.8	45.0	60.0	
AAW 25/26	F[C,T]S00	0.0	0.0	0.0	0.0	1.7	1.7	15.0	15.0	
	F[C,T]S03	2.3	3.0	7.8	10.2	15.2	17.3	20.0	20.0	
	F[C,T]S05	3.7	4.8	12.6	16.4	23.3	26.7	25.0	30.0	
	F[C,T]S06	4.6	6.0	13.5	17.9	28.8	33.0	30.0	35.0	
	F[C,T]S08	6.0	8.0	20.5	27.3	37.7	43.4	40.0	45.0	
	F[C,T]S10	7.2	9.6	24.5	32.8	45.0	51.7	45.0	60.0	
AAW 30/31	F[C,T]S00	0.0	0.0	0.0	0.0	3.3	3.3	15.0	15.0	
	F[C,T]S03	2.3	3.0	7.8	10.2	16.8	18.9	20.0	20.0	
	F[C,T]S05	3.7	4.8	12.6	16.4	24.9	28.3	25.0	30.0	
	F[C,T]S06	4.6	6.0	13.5	17.9	30.3	34.5	35.0	35.0	
	F[C,T]S08	6.0	8.0	20.5	27.3	39.3	44.9	40.0	45.0	
	F[C,T]S10	7.2	9.6	24.5	32.8	46.5	53.3	50.0	60.0	
AAW 36/37	F[C,T]S00	0.0	0.0	0.0	0.0	3.3	3.3	15.0	15.0	
	F[C,T]S03	2.3	3.0	7.8	10.2	16.8	18.9	20.0	20.0	
	F[C,T]S05	3.7	4.8	12.6	16.4	24.9	28.3	25.0	30.0	
	F[C,T]S06	4.6	6.0	13.5	17.9	30.3	34.5	35.0	35.0	
	F[C,T]S08	6.0	8.0	20.5	27.3	39.3	44.9	40.0	45.0	
	F[C,T]S10	7.2	9.6	24.5	32.8	46.5	53.3	50.0	60.0	

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