

ABW SERIES

HIGH-EFFICIENCY MULTI-POSITION HYDRONIC 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

Upflow or horizontal right as shipped (field-convertible for downflow or horizontal left applications). 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 HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available in 2, 3 and 4 row, providing 16,000 to 59,000 BTU's of heat. Heat kits are easily installed in the field using molex plugs or can be ordered factory-installed. Freeze stat is standard, wired into circulating pump control circuit. Controls are accessible from the front for easy service. Electrical connections can be made from the top or left. Suitable for potable applications. Disconnect does not protrude

through the wall panel. Fan time delay relay standard increased efficiency. Heat kits are available with or without circulating pump and check valve. Units are provided with auxiliary relay for remote pump. Schrader ports are standard on water-out manifold, hose bib available as an option. Totally lead free constructed coil. Suitable for potable applications.

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.

DX COIL

High efficiency rifled copper tubes/enhanced aluminum fins provide maximum heat transfer. 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 GLN drain pan holds minimal condensate while eliminating the possibility of corrosion. Drain pan is UV safe. All drain connections are 3/4" FPT. Access door allows for coil cleaning.

WARRANTY Five-year limited parts warranty.

OPTIONS See options menu.



WANT MORE INFORMATION ON ASPEN'S ABW 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.*

In keeping with its commitment to continuous improvement. Aspen Manufacturing reserves the right to make changes without notice and incurring obligation. To stay up-to-date with this product and Aspen's trusted line of coils, air handlers, and more, go to our website. ABW-Spec-2025-03

HEATING/COOLING PERFORMANCE & ELECTRICAL DATA

MODEL	PERFORMANCE DATA					ELECTRICAL DATA			
	NOM. COOLING	HYDRONIC HEAT KIT MODEL	HEAT. COIL	HYDRONIC COIL Δ P.	HEATING CAPACITY (BTU) @ 3.5 GPM			MIN. CIRCUIT AMPACITY (MCA)	MAX. BREAKER OR FUSE SIZE
			ROW	FT. WATER	ENTERING WATER TEMP.				
					120°	140°	180°		
ABW 18	18,000	U(C,T)2S(P,L)	2	3	18800	26600	42300	4.1	15
		U(C,T)3S(P,L)	3	1.8	21600	30400	48500	4.1	
ABW 24	24,000	U(C,T)2S(P,L)	2	3	21000	30100	48000	4.1	
		U(C,T)3S(P,L)	3	1.8	24700	34800	55600	4.1	
ABW 30	30,000	U(C,T)2S(P,L)	2	3	23200	32800	52500	7.9	
		U(C,T)3S(P,L)	3	1.8	27000	38200	61100	7.9	
		U(C,T)4S(P,L)	4	1.1	28300	40100	64000	7.9	
ABW 36	36,000	U(C,T)2S(P,L)	2	3	24700	35000	56000	7.9	
		U(C,T)3S(P,L)	3	1.8	29900	41000	65500	7.9	
		U(C,T)4S(P,L)	4	1.1	30400	43000	68800	7.9	

BLOWER DATA

MODEL	MOTOR				CFM VS. EXTERNAL STATIC (DRY COIL)				
	SPEED	HP	AMPS	VOLT.	0.10	0.20	0.30	0.40	0.50
ABW 18/24	LOW	1/5	2.8	120	772	736	690	633	574
	HIGH	1/5	2.8		829	784	732	663	600
ABW 23	LOW	1/3	5.8		850	825	815	795	765
	MED	1/3	5.8		1085	1045	1000	950	885
	HIGH	1/3	5.8		1220	1170	1100	1030	965

AIR HANDLER CHASSIS NOMENCLATURE

ABW	18	F	-001
120V PSC MOTOR VERTICAL WALL MOUNT	NOM. TONNAGE (MBTUH)	A1 METERING DEVICE 4 = Non-bleed A/C or H/P R410 TXV G = R410 Flo-rater B = 20% bleed A/C or H/P R22 TXV F = R-22 Flo-rater	
		A2L METERING DEVICE D = Non-bleed A/C or H/P R32 TXV M = R32 piston J = Non-bleed A/C or H/P R454B TXV N = R454B piston K = 20% bleed A/C or H/P R454B TXV	
			OPTION CODE

HYDRONIC HEAT NOMENCLATURE

U	C	2	S	P
WALL MOUNT HYDRONIC HEAT	INTERRUPTION C = CIRCUIT BREAKER T = TERMINAL BLOCK	ROWS 2 3 4	CABINET SIZE & NOM. TON. S = 18-36	PUMP L = No Pump P = Taco 006 pump (factory installed) 8 = Taco 008 pump high head (factory installed) R = Taco 009 pump high head (to be mounted external to all units except for multi-position units)

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ABW DIMENSIONS & SHIPPING SPECIFICATIONS (In.) - FIGURE 1

Model	HEIGHT (A)	WIDTH (B)	WIDTH (C)	OPENING SIZE		FILTER SIZE	PISTON SIZE	WEIGHT	SKID QTY
				LENGTH (D)	WIDTH (E)				
ABW18*	44-1/2 [113]	22 [56]	18-3/4 [48]	17-5/8 [45]	10-1/2 [27]	20X20	0.055	110	4
ABW24*							0.059		
ABW30*							0.068	118	
ABW36*							0.074		

ABW DIMENSIONS (In.) - FIGURE 2

PANEL MODEL	FOR USE WITH	FINISH	OPENING SIZE		PANEL SIZE		FRAME SIZE		# OF PANELS
			WIDTH (A)	HEIGHT (B)	WIDTH (C)	HEIGHT (D)	WIDTH (E)	HEIGHT (F)	
WAD-9(S/L)	ABW	Embossed	22-5/8	46-3/8	24-1/4	48	24-1/8	47-7/8	1
WAD-10(S/L)		Embossed		52-3/8		54	24-1/8	53-7/8	
WAD-16(S/L)		Smooth		52-3/8		54	24-1/8	53-7/8	
WAD-17(S/L)		Smooth		46-3/8		48	24-1/8	47-7/8	

FIGURE 1

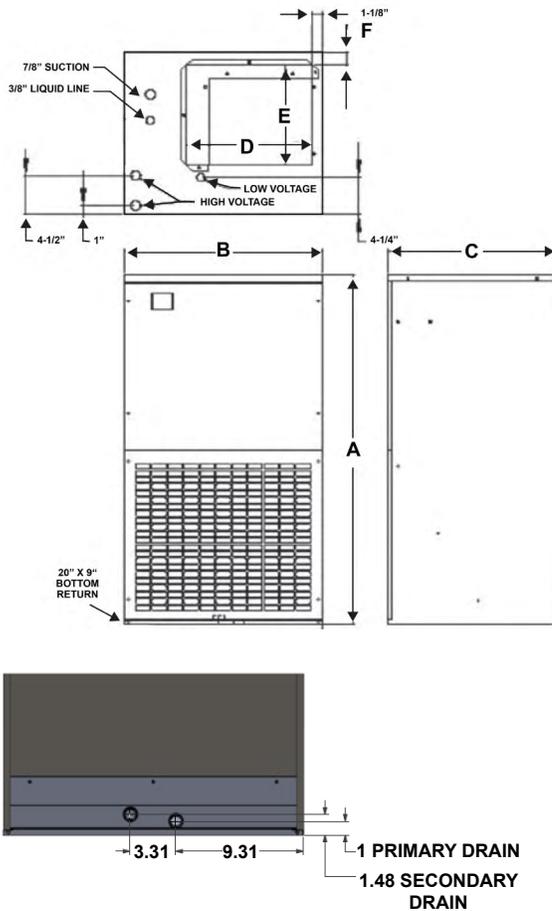
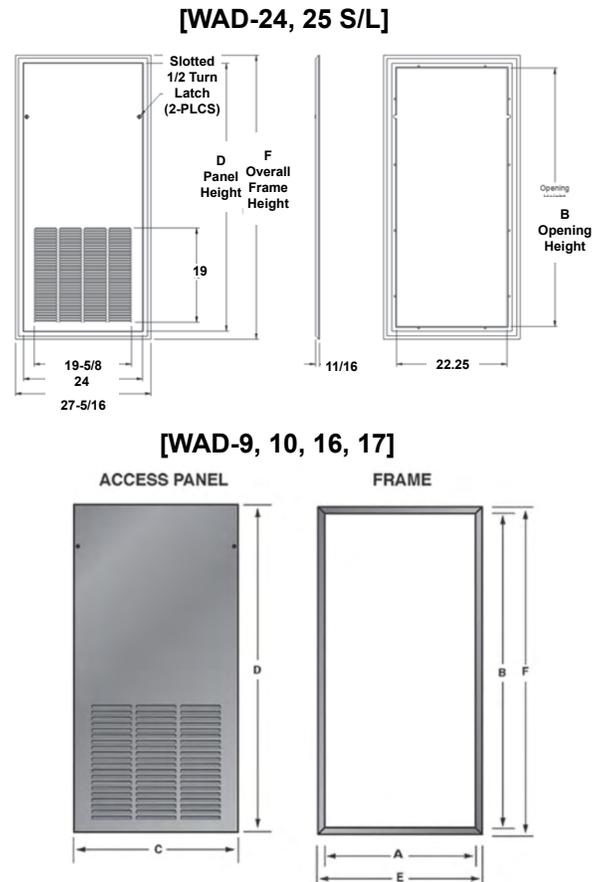


FIGURE 2



Note: Code may require installer to use conduit

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