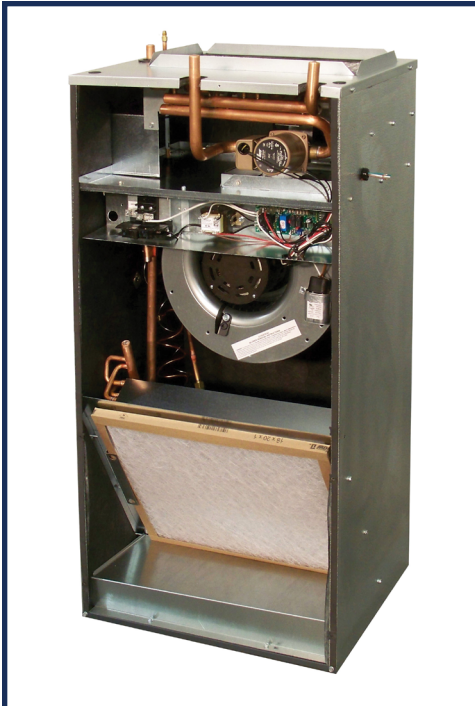


AFW SERIES HYDRONIC HEAT AIR HANDLER

HIGH-EFFICIENCY WALL MOUNT



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

APPLICATION VERSATILITY

Front or bottom return air. 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 R410A. ETL listed for R454B and R32 with Refrigerant Detection System (RDS).

120V CONSTANT TORQUE ECM MOTOR

Air handler models come equipped with a 5-speed, constant torque ECM. Motor speed and torque are managed via integrated software to ensure consistent torque output across all operating conditions.

BLOWER

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

ELECTRONIC CONTROL BOARD

Electronic circuit board provides 30 sec. ON/OFF blower time delay extracting more heat/cool from the coil. An electronic board controls the functioning of the system reducing moving parts. The board provides for various hot water supply source connections and the blower time delay to maximize heat/cool extraction. As an enhanced feature the pump circulates hot water every 6 hours to prevent water stagnation and coil freezing.

LOW LEAKAGE CABINET

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

DX COIL

High-efficiency rifled copper tubes and enhanced aluminum fins provide maximum heat transfer. All coils are immersion tested at 500 psi, followed by nitrogen pressurization and factory sealing to ensure optimal system integrity and long-term reliability. Liquid-line Schrader allows pre-installation pressure assurance 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. All drain connections are 3/4" NPT. Access door allows for coil cleaning.

MODULAR HYDRONIC HEAT KITS

Air Handlers are available with either factory-installed circuit breakers or terminal blocks. Hydronic coils come in 2, 3 and 4 row with the options of pump or no pump configurations. 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. Fan time delay relay standard for 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.

WARRANTY Hassle-free five-year limited parts warranty.

OPTIONS Ask your local Aspen Sales Rep for options.

CUSTOMIZATION OPTIONS*

UNIVERSAL A2L REFRIGERANT TECHNOLOGY FOR R32 & R454B SYSTEMS



IDEAL FOR USE WITH ASPEN AIR HANDLERS, AS WELL AS CASED & UNCASD COILS!

Versa Pro coils are easily configurable for use with either R32 or R454B refrigerant with proper metering device. Utilizing universal Refrigerant Detection Systems (RDS) to ensure regulatory compliance.

OTHER POPULAR CUSTOM OPTIONS:

- Refrigerant Detection System (RDS) kit factory-installed.
- Factory or field-installed TXV available.

DOWNFLOW KIT OPTIONS:

METAL DRAIN PANS

- 16" DWNFLWM-16
- 18" DWNFLWM-18

PLASTIC DRAIN PANS

- DWNFLWP

AFW-SS-AH-004-A



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. © 2025 Aspen Manufacturing. All Rights Reserved

Phone: 281.441.6500 Toll Free: 800.423.9007 Fax: 281.441.6510 Customer Service: info@aspenmfg.com Warranty Team: warranty@aspenmfg.com



WWW.ASPENMFG.COM

HEATING/COOLING PERFORMANCE & ELECTRICAL DATA									
MODEL	PERFORMANCE DATA							ELECTRICAL DATA	
	NOM. COOL.	HYDRONIC HEAT KIT MODEL	HEATING COIL	HYDRONIC COIL Δ P.	HEATING CAPACITY (BTU) @ 3.5 GPM			MIN. CIRCUIT AMPACITY	MAX. BREAKER OR FUSE SIZE
					ENTERING WATER TEMP.				
	BTU		# ROWS	FT. WATER	120°	140°	180°	MCA	
AFW 18	18,000	U(C,T)2S(P,L)	2	3	18800	26600	42300	6.6	15
		U(C,T)3S(P,L)	3	1.8	21600	30400	48500	6.6	
AFW 24	24,000	U(C,T)2S(P,L)	2	3	21000	30100	48000	6.6	15
		U(C,T)3S(P,L)	3	1.8	24700	34800	55600	6.6	
AFW 30	30,000	U(C,T)2S(P,L)	2	3	23200	32800	52500	9.1	15
		U(C,T)3S(P,L)	3	1.8	27000	38200	61100	9.1	
		U(C,T)4S(P,L)	4	1.1	28300	40100	64000	9.1	
AFW 36	36,000	U(C,T)2S(P,L)	2	3	24700	35000	56000	9.1	15
		U(C,T)3S(P,L)	3	1.8	29900	41000	65500	9.1	
		U(C,T)4S(P,L)	4	1.1	30400	43000	68800	9.1	

BLOWER DATA								
MODEL	120V ECM MOTOR			CFM VS EXTERNAL STATIC (DRY COIL)				
	SPEED TAP	HP	AMP	0.1	0.2	0.3	0.4	0.5
AFW 18/24	T5	1/3	4.8	900	851	800	742	682
	T4	1/3	4.8	652	630	591	556	530
	T3	1/3	4.8	500	476	452	421	400
	T2	1/3	4.8	400	381	360	339	312
	T1	1/3	4.8	900	851	800	742	682
AFW 30/36	T5	1/2	6.8	1150	1087	1030	975	910
	T4	1/2	6.8	1080	1048	1010	960	895
	T3	1/2	6.8	900	862	825	79	745
	T2	1/2	6.8	700	663	632	600	552
	T1	1/2	6.8	500	473	449	421	395

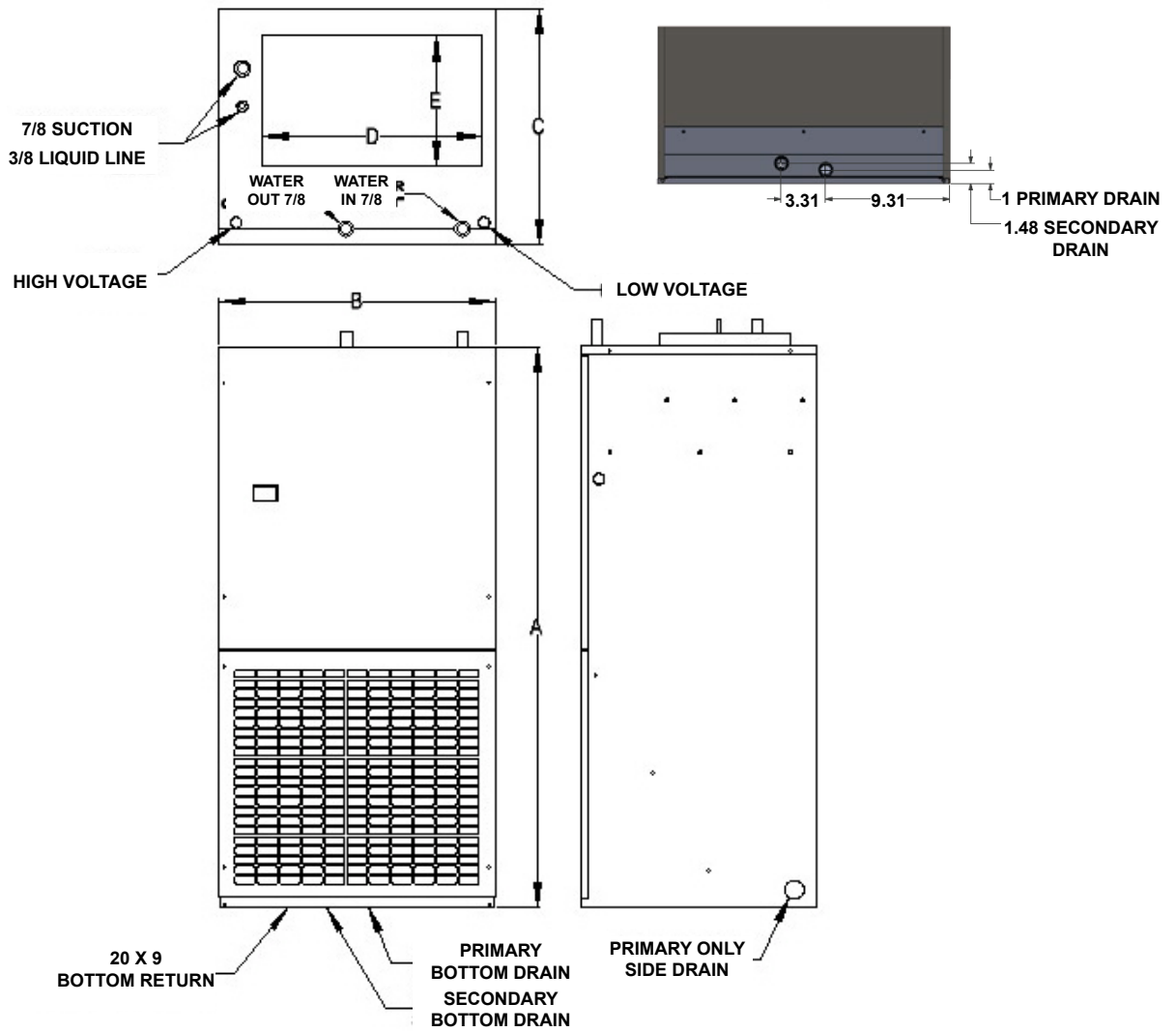
AIR HANDLER CHASSIS NOMENCLATURE			
AFW	NOM. TON.	METERING DEVICE	OPTION CODE
	MBTUH	G	-000
115V ECM MOTOR VERTICAL WALL MOUNT	18 = 18,000 24 = 24,000 30 = 30,000 36 = 36,000	A1 REFRIGERANTS - R410A + R22	CUSTOM OPTIONS
		4 = R410A (TXV NON-BLEED AC or HP) X = R22 (TXV NON-BLEED AC or HP) B = R22 (TXV 20% BLEED AC or HP) G = R410A (FLOWRATOR) F = R22 (FLOWRATOR)	
		A2L REFRIGERANTS - R454B + R32	
		J = R454B (TXV NON-BLEED AC or HP) K = R454B (TXV 20% BLEED AC or HP) D = R32 (TXV NON-BLEED AC or HP) N = R454B (PISTON) M = R32 (PISTON) Z = R454B or R32 CONFIGURABLE (Shipped with R454B piston)	

HYDRONIC HEAT KIT NOMENCLATURE				
HEAT KIT	POWER CONNECTION	# OF ROWS	CABINET SIZE & NOM. TON.	PUMP TYPE
U	C	2	S	P
WALL MOUNT HYDRONIC HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK	2 = 2 3 = 3 4 = 4	(SMALL) 18 - 36	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)

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. © 2025 Aspen Manufacturing. All Rights Reserved

Phone: 281.441.6500 Toll Free: 800.423.9007 Fax: 281.441.6510 Customer Service: info@aspenmfg.com Warranty Team: warranty@aspenmfg.com

FIGURE 1



AFW DIMENSIONS & SPECIFICATIONS (In.)[mm.] - FIGURE 1

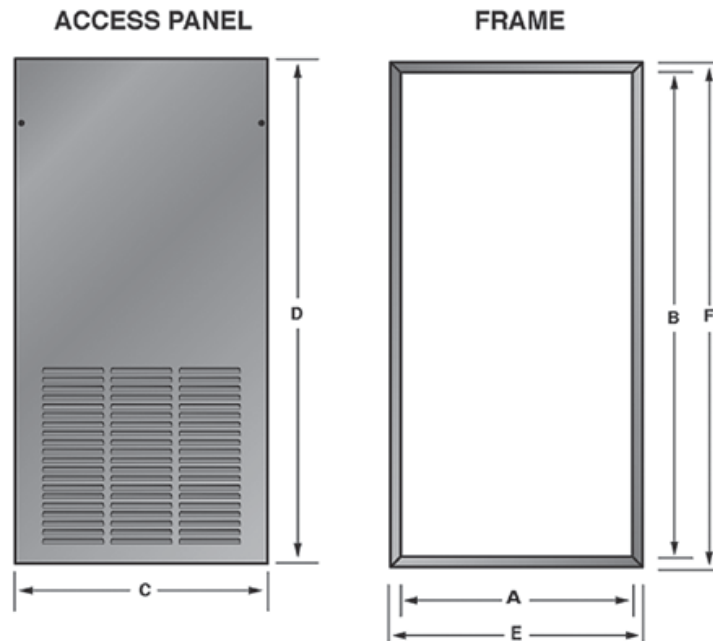
MODEL	A	B	C	D	E	FILTER 1" DEPTH	SHIPPING INFO	
							SHIP. WEIGHT	SKID QTY
AFW18*	44-1/2 [113]	22 [56]	18-3/4 [48]	17-5/8 [45]	10-1/2 [27]	20X20	110	4
AFW24*								
AFW30*								
AFW36*							118	

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. © 2025 Aspen Manufacturing. All Rights Reserved

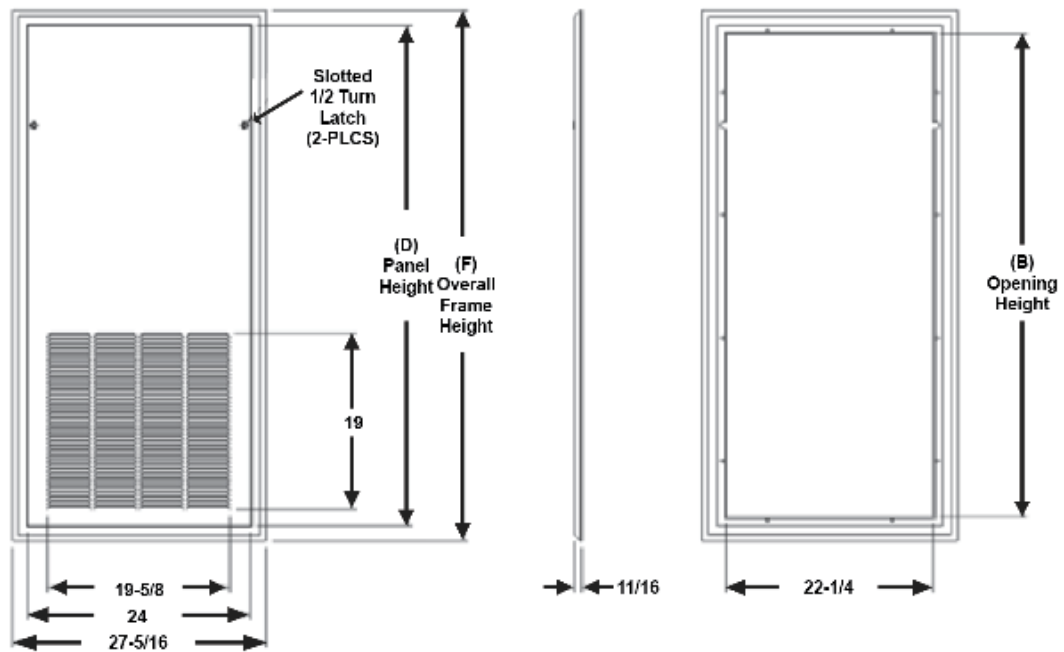
Phone: 281.441.6500 Toll Free: 800.423.9007 Fax: 281.441.6510 Customer Service: info@aspenmfg.com Warranty Team: warranty@aspenmfg.com

FIGURE 2

WAD-9,10,16,17



[WAD-24, 25 S/L]



AFW DIMENSIONS (In.)[mm] - FIGURE 2

PANEL MODEL	FOR USE WITH	FINISH	OPENING SIZE		PANEL SIZE		FRAME SIZE		# OF PANELS
			A	B	C	D	E	F	
WAD-16(S/L)	AFW	Smooth	22-1/4	52	24-1/4	54	24-1/8	53-7/8	1
WAD-17(S/L)		Smooth	22-1/4	46	24-1/4	48	24-1/8	47-7/8	
WAD-24(S/L)		Smooth	22-1/4	52	24	54	27-1/3	51-1/4	
WAD-25(S/L)		Smooth	22-1/4	46	24	48	27-1/3	51-1/4	

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. © 2025 Aspen Manufacturing. All Rights Reserved

Phone: 281.441.6500 Toll Free: 800.423.9007 Fax: 281.441.6510 Customer Service: info@aspenmfg.com Warranty Team: warranty@aspenmfg.com