

AFM SERIES HYDRONIC HEAT AIR HANDLER

MULTI-POSITION



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

APPLICATION VERSATILITY

This unit is designed for use in upflow, downflow, horizontal left and horizontal right applications. Can be AHRI certified 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 blowers circulate air quietly and efficiently. Blowers mounted on rails so they can be easily removed for service.

ELECTRONIC CONTROL BOARD

Electronic circuit board provides 30 seconds of 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 2% air leakage from cabinet when tested in accordance with ASHRAE standard 193. Sturdy, galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" faced insulation to encapsulate glass fibers, to prevent sweating, and to provide excellent R-value. Stick pins ensure insulation remains in place.

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 testing. Available with either flowrator or TXV metering device.

Field-installable TXVs are also available. Rugged GLP drain pan holds minimal condensate while eliminating the possibility of corrosion. Drain pans are UV safe. GLP drain pans with bottom primary and secondary drain connections or alternate right-side primary. All connections 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

AFM-SS-AH-011-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

HEATING/COOLING PERFORMANCE & ELECTRICAL DATA										
MODEL	PERFORMANCE DATA							ELECTRICAL DATA		
	NOM. COOLING	HYDRONIC HEAT KIT MODEL	# OF ROWS	COIL P.D.	HEATING CAPACITY (BTU/HR)				MIN. CIRCUIT AMPACITY	MAX. BREAKER OR FUSE SIZE
					STANDARD PUMP @ 3.5 GPM NOM. AIRFLOW					
				3.5 GPM	ENTERING WATER TEMP.					
					120°	140°	160°	180°		
AFM 18/19	18,000	W*2SP	2	2.7	17770	24900	32250	39600	6.78	15
		W*3SP	3	2.1	21600	30500	39450	48400		
AFM 23/24/25	24,000	W*2SP	2	2.7	20200	28500	36950	45400	6.78	15
		W*3SP	3	2.1	25000	35300	45800	56300		
AFM 30/31	30,000	W*2SP	2	2.5	22100	31300	40645	49990	9.28	15
		W*3SP	3	1.9	27700	39100	50750	62400		
		W*4SP	4	1.1	31000	43900	57000	70100		
AFM 35	36,000	W*2MP	2	2.5	27040	38215	49610	61005	9.28	15
		W*3MP	3	1.9	33185	46900	59540	72180		
		W*4MP	4	1.1	38750	54805	69815	84820		
AFM 36/37	36,000	W*2SP	2	2.5	23700	33500	43550	53600	9.28	15
		W*3SP	3	1.9	29800	42100	54700	67300		
		W*4SP	4	1.1	33500	47400	61600	75800		
AFM 42/43	42,000	W*2LP	2	2.5	30200	42600	55300	68000	15.16	25
		W*3LP	3	1.9	36300	51400	65000	78600		
		W*4LP	4	1.1	43600	61600	77250	92900		
AFM 47	48,000	W*3XP	3	1.3	38195	54020	65095	76170	15.16	25
		W*4XP	4	0.8	48200	68125	83380	98640		
AFM 48/49		W*2LP	2	2.1	31700	44800	58100	71400	15.16	25
		W*3LP	3	1.6	38200	54000	67300	80600		
		W*4LP	4	0.9	45900	64900	81450	98000		
AFM 59	60,000	W*3XP	3	1.3	38195	54020	65095	76170	15.16	25
		W*4XP	4	0.8	48200	68125	83380	98640		
AFM 60/61/62		W*2LP	2	1.7	32900	46600	60500	74400	15.16	25
		W*3LP	3	1.3	39700	56200	70100	84000		
		W*4LP	4	0.8	47800	67600	84900	102200		

HYDRONIC HEAT NOMENCLATURE				
HEAT KIT	POWER CONNECTION	ROWS	CABINET SIZE & NOM.TON.	PUMP
W	C	2	S	P
HYDRONIC WATER HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK	2 = 2 3 = 3 4 = 4	S = AFM18/19/23/24/ 25/30/31/36/37 M = AFM35 L = AFM42/43/48/49/60/61 X = AFM47/59	L = No Pump P = Standard Taco 006 Pump w/ Check Valve (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

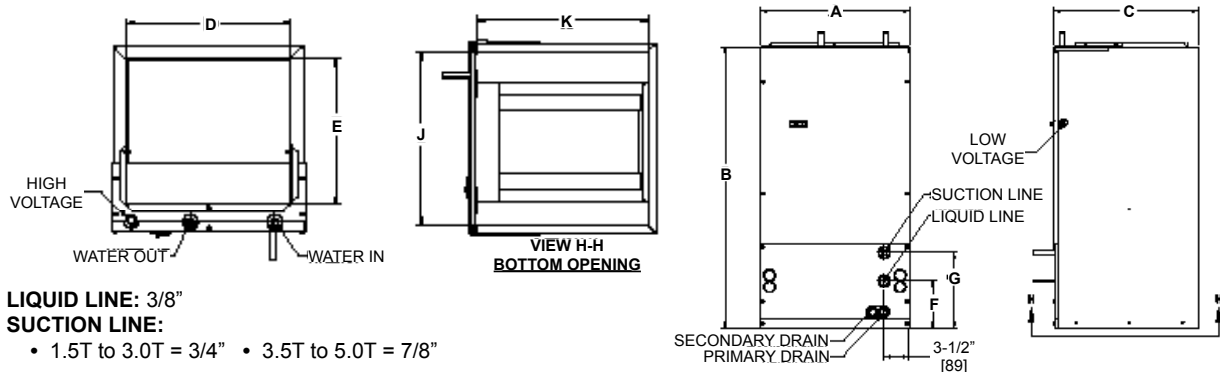
BLOWER DATA								
MODEL	120V ECM MOTOR			CFM VS EXTERNAL STATIC (DRY COIL)				
	SPEED TAP	HP	FLA	0.1	0.2	0.3	0.4	0.5
AFM 18/19/24/25	T5	1/3	4.8A	900	853	797	738	673
	T4	1/3	4.8A	670	646	613	592	553
	T3	1/3	4.8A	500	476	452	421	400
	T2	1/3	4.8A	400	381	360	339	312
	T1	1/3	4.8A	900	853	797	738	673
AFM 23	T5	1/3	4.8A	895	860	815	770	705
	T4	1/3	4.8A	825	795	770	750	700
	T3	1/3	4.8A	770	735	705	685	665
	T2	1/3	4.8A	705	675	655	615	595
	T1	1/3	4.8A	655	615	605	580	540
AFM 30/31/36/37	T5	1/2	6.8A	1150	1087	1030	975	910
	T4	1/2	6.8A	1080	1048	1010	960	895
	T3	1/2	6.8A	900	862	825	796	745
	T2	1/2	6.8A	700	663	632	600	552
	T1	1/2	6.8A	500	473	449	421	395
AFM 35	T5	1/2	6.8A	1245	1190	1130	1085	1020
	T4	1/2	6.8A	1170	1130	1085	1045	1000
	T3	1/2	6.8A	935	910	865	840	805
	T2	1/2	6.8A	815	785	745	715	685
	T1	1/2	6.8A	685	655	605	580	520
AFM 42/43/48/ 60/61/62	T5	1	11.5A	1850	1806	1752	1700	1652
	T4	1	11.5A	1704	1656	1600	1532	1479
	T3	1	11.5A	1494	1461	1426	1400	1364
	T2	1	11.5A	1350	1310	1272	1229	1175
	T1	1	11.5A	676	652	621	600	559
AFM 47/59	T5	1	11.5A	1950	1880	1845	1805	1780
	T4	1	11.5A	1765	1740	1725	1685	1660
	T3	1	11.5A	1500	1480	1450	1415	1385
	T2	1	11.5A	1245	1205	1185	1150	1105
	T1	1	11.5A	1010	900	825	765	705

AIR HANDLER CHASSIS NOMENCLATURE (HYDRONIC MULTI-POSITION)			
AFM	NOM. TON.	METERING DEVICE	OPTION CODE
	MBTUH	4	-000
120V ECM MOTOR CONSTANT TORQUE HYDRONIC MULTI-POSITION AIR HANDLER	18 = 18,000 24 = 24,000 30 = 30,000 36 = 36,000 42 = 42,000 60 = 60,000	A1 REFRIGERANTS - R410A + R22	CUSTOM OPTIONS
		4 = R410A (TXV NON-BLEED AC or HP) G = R410A (FLOWRATOR) B = R22 (TXV 20% BLEED AC or HP) X = R22 (TXV NON-BLEED AC or HP) F = R22 (FLOWRATOR)	
		A2L REFRIGERANTS - R454B + R32	
		J = R454B (TXV NON-BLEED AC or HP) K = R454B (TXV 20% BLEED AC or HP) N = R454B (PISTON) M = R32 (PISTON) D = R32 (TXV NON-BLEED AC or HP) Z = R454B or R32 CONFIGURABLE (Shipped with R454B piston)	

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



AFM DIMENSIONS (In.)[mm.] - FIGURE 1

MODEL	A	B	C	D	E	F	G	J	K	FILTER 1" DEPTH	SHIPPING INFO	
											WEIGHT	SKID QTY
AFM18+W*	21 [533]	49-1/4 [1251]	20-1/2 [521]	18-3/4 [476]	12 [305]	5-3/4 [146]	9-3/4 [248]	18-1/2 [470]	18-1/2 [470]	16X20	99	4
AFM19/24/25+W*	21 [533]	49-1/4 [1251]	20-1/2 [521]	18-3/4 [476]	12 [305]	7-3/4 [197]	11-3/4 [298]	18-1/2 [470]	18-1/2 [470]	16X20	100	4
AFM30+W*	21 [533]	49-1/4 [1251]	20-1/2 [521]	18-3/4 [476]	12 [305]	10-1/2 [267]	14-1/2 [368]	18-1/2 [470]	18-1/2 [470]	16X20	118	4
AFM36+W*	21 [533]	49-1/4 [1251]	20-1/2 [521]	18-3/4 [476]	12 [305]	12-1/2 [317]	16-1/2 [419]	18-1/2 [470]	18-1/2 [470]	16X20	118	4
AFM31/37+W*	21 [533]	49-1/4 [1251]	20-1/2 [521]	18-3/4 [476]	12 [305]	14-3/4 [374]	18-3/4 [476]	18-1/2 [470]	18-1/2 [470]	16X20	147	4
AFM42+W*	24-1/2 [622]	57 [1448]	20-1/2 [521]	22-1/4 [565]	14-3/4 [375]	14-3/4 [374]	18-3/4 [476]	22 [559]	18-1/2 [470]	20X20	153	4
AFM48+W*	24-1/2 [622]	57 [1448]	20-1/2 [521]	22-1/4 [565]	14-3/4 [375]	16 [406]	20 [508]	22 [559]	18-1/2 [470]	20X20	180	4
AFM43/49/60/62+W*	24-1/2 [622]	57 [1448]	20-1/2 [521]	22-1/4 [565]	14-3/4 [375]	18 [457]	22 [559]	22 [559]	18-1/2 [470]	20X20	180	4
AFM61+W*	24-1/2 [622]	57 [1448]	20-1/2 [521]	22-1/4 [565]	14-3/4 [375]	20 [508]	24 [610]	22 [559]	18-1/2 [470]	20X20	200	4
AFM23+W*	21 [533]	40 [1016]	20-1/2 [521]	18 [457]	16 [406]	7 [178]	11 [279]	18-1/2 [470]	18-1/2 [470]	16X20	100	4
AFM35+W*	21 [533]	42 [1067]	23 [584]	18 [457]	19 [483]	8-3/4 [222]	12-3/4 [324]	18 [457]	20 [533]	20X20	170	4
AFM47/59+W*	21 [533]	48 [1219]	28 [711]	18 [457]	24 [610]	11-3/4 [298]	15-3/4 [400]	18 [457]	25 [660]	20X25	200	4

HELPFUL LINKS



VIEW PRODUCT ONLINE

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



VIEW VERSA PRO ONLINE

Learn more about Aspen's A2L Refrigerant Technology for R32 and R454B Systems.

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