

AFL SERIES

HIGH-EFFICIENCY HYDRONIC MULTI-POSITION FURNACE AIR HANDLER

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, downflow, horizontal left or horizontal right as shipped.

- 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.

MOTOR

X-13 has 5 speed taps, Variable speed available with special wiring. Motors are pre-programmed at the factory.

CABINET

Sturdy, galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack.

MODULAR HYDRONIC HEAT KITS

Standard Heats kits available with either circuit breakers or terminal blocks and 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. 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.

BLOWER

Direct drive multi-speed blowers circulate air quietly and efficiently and allow for precise air volume selection. Five motor speeds can be easily selected via motor terminals. Blowers mounted on rails so they can be easily removed for service.

WARRANTY Five-year limited parts warranty.

OPTIONS See options menu.



WANT MORE INFORMATION ON ASPEN'S AFL 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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HEATING/COOLING PERFORMANCE & ELECTRICAL DATA											
MODEL	PERFORMANCE DATA								ELECTRICAL DATA		
	HYDRO. HEAT KIT MODEL	SPEED TAP	HEATING COIL		ΔP FT. WATER	HEATING @ 3.5 GPM CAPACITY (BTU/HR @ 3.5 GPM)				MIN. CIRCUIT AMPACITY (MCA)	MAX. BREAKER OR FUSE SIZE
			ROW	SLAB SIZE		120°	140°	160°	180°		
AFLS	WC2SP	2	2	18X12	2.8	17700	24900	32300	39600	6.7	15
		1				20200	28500	36900	45400		
	WC3SP	2	3		2.1	21600	30500	39400	48400		
		1				25000	35300	45800	56300		
	WC2SR	2	2		5.6	18700	26400	34100	41900	8.3	
		1				21600	30500	39500	48500		
	WC3SR	2	3		4.2	22900	32300	41700	51200		
		1				26900	38000	49100	60300		
AFLM	WC2SP	2	2	18X12	2.8	22100	31300	40500	49900	9.2	20
		1				23700	33500	43500	53600		
	WC3SP	2	3		2.1	27700	39100	50700	62400		
		1				29800	42100	54700	67300		
	WC4SP	2	4		1.1	31000	43900	57000	70100		
		1				33500	47400	61500	75800		
	WC2SR	2	2		5.6	23900	33800	43700	53800	10.8	
		1				25800	36500	47300	58200		
	WC3SR	2	3		4.2	30100	42500	55100	67700		
		1				32800	46300	60000	73700		
	WC4SR	2	4		2.2	34000	48000	62300	76600		
		1				37200	52600	68100	83800		
AFLL	WC2LP	3	2	22X 14-1/2	3.6	30200	42600	55300	68000	14.3	30
		2				31700	44800	58000	71400		
		1				32900	46600	60400	74400		
	WC3LP	3	3		1.7	36300	51400	66700	76600		
		2				38200	54000	70100	80600		
		1				39700	56200	73000	84000		
	WC4LP	3	4		1.1	43600	61600	79900	92900		
		2				45900	64900	84200	98000		
		1				47800	67600	87700	102200		
	WC2LR	3	2		7.2	33200	46800	60600	74500	15.8	
		2				35000	49400	64000	78700		
		1				36600	51800	67100	82500		
	WC3LR	3	3		3.4	40500	57300	74200	84400		
		2				42900	60700	78600	89500		
		1				45000	63600	82500	94000		
	WC4LR	3	4		2.2	49000	69300	89700	103600		
		2				52200	73800	95600	110400		
		1				55000	77700	100800	116300		

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X-13 BLOWER DATA						
MODEL	SPEED TAP	CFM VS EXTERNAL STATIC* (DRY COIL)				
		0.10	0.20	0.30	0.40	0.50
AFLS+ WC2SR WC3SR	T1	900	855	800	740	675
	T2	670	650	615	600	550
	T3	460	445	420	400	385
	T4	900	855	800	740	675
	T5	350	335	315	300	280
AFLM+ WC2SR WC3SR WC4SR	T1	1200	1130	1085	1030	985
	T2	1140	1090	1030	975	910
	T3	905	870	835	800	740
	T4	760	730	695	650	605
	T5	475	450	425	400	375
AFLS+ WC2LR WC3LR WC4LR	T1	1875	1800	1730	1690	1625
	T2	1705	1660	1600	1530	1480
	T3	1495	1460	1430	1400	1365
	T4	1340	1295	1255	1200	1140
	T5	910	875	840	800	745

* Dry coil with filter in place.

PHYSICAL DATA				
MODEL	AFLS	AFLM	AFLS	
TRANSFORMER	40 VA, CLASS 2. 120V PRIMARY, 24 V SECONDARY			
VOLTAGE	120V - 60Hz			
FILTER SIZE	16x20x1		20x20x1	
BLOWER DATA	WHEEL (DIA. x WIDTH)	9 x 6	10 x 8	12 x 9
	MOTOR HP	1/3	1/2	1
	MOTOR F.L.A.	4.8	6.8	10.9
	FACTORY SPEED TAP	T1		
	NOM. CFM RANGE	800 - 300	1200 - 400	1800 - 800
PUMP DATA 006 STANDARD	PUMP VOLTAGE	115		
	PUMP HP	1/40		
	PUMP AMPS	.52		
PUMP DATA 009 SPECIAL	PUMP VOLTAGE	115		
	PUMP HP	1/8		
	PUMP AMPS	1.8		

AIR HANDLER CHASSIS NOMENCLATURE		
AFL	S	-001
120V X13 MOTOR LOW BOY HYDRONIC FURNACE	S = 18 & 24 M = 30 & 36 L = 42, 48 & 60	OPTION CODE

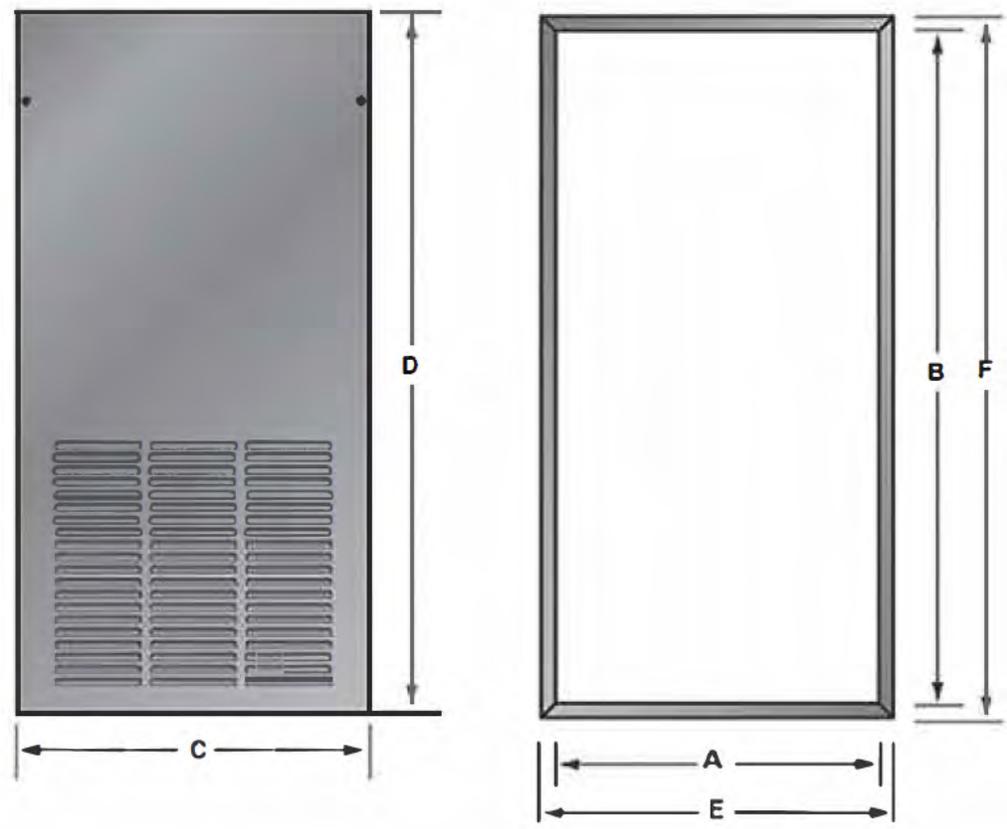
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HYDRONIC HEAT KIT NOMENCLATURE				
W	C	2	S	P
MULTI-POSITION HYDRONIC HEAT	INTERRUPTION C = CIRCUIT BREAKER T = TERMINAL BLOCK	# OF ROWS 2 = 2 Rows 3 = 3 Rows 4 = 4 Rows	CABINET SIZE & NOM. TON. S = 18, 24, 30, 36 L = 42, 48, 60	PUMP L = No Pump P = 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)

DIMENSIONS AND SHIPPING SPECIFICATIONS (In.) - FIGURE 1								
MODEL	WIDTH (A)	HEIGHT (B)	DUCT OPENING		BOTTOM OPENING	FILTER SIZE	SHIP WEIGHT (LB)	SKID QTY
			C	D	E			
AFLS	21	30	18-3/4	12	18-1/2	16X20	83	8
AFLM							85	
AFL L	24-1/2	33	22-1/4	14-1/2	22-1/4	20X20	110	

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

FIGURE 1



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