



Representative image only. Some models may vary in appearance. Due to continuous product improvement, specifications are subject to change without notice.



For complete warranty details visit www.AspenMfg.com

Product Features and Specifications

APPLICATION VERSATILITY

Upflow, downflow, horizontal left or horizontal right as shipped.

MOTOR

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

CABINET

Sturdy, low profile galvanized steel cabinet with painted front panels. Cabinet fully insulated with ½" faced insulation to prevent sweating and mold growth, 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 mox 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. 5 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.



AFL SERIES

MULTI-POSITION HIGH EFFICIENCY HYDRONIC FURNACE

HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA											
UNIT MODEL	HYDRONIC HEAT KIT MODEL	PERFORMANCE DATA								ELECTRICAL DATA	
		MOTOR SPEED TAP	HEATING COIL		Δ P FT. WATER	HEATING AT 3.5 GPM CAPACITY BTU/HR at 3.5 GPM				MINIMUM CIRCUIT AMPACITY (MCA)	MAX BREAKER OR FUSE SIZE
			ROW	SLAB SIZE		120°	140°	160°	180°		
AFLS	WC2SP	2	2	18 x 12	2.8	17700	24900	32300	39600	6.7	15
		1	2	18 x 12	2.8	20200	28500	36900	45400		
	WC3SP	2	3	18 x 12	2.1	21600	30500	39400	48400		
		1	3	18 x 12	2.1	25000	35300	45800	56300		
	WC2SR	2	2	18 x 12	5.6	18700	26400	34100	41900	8.3	15
		1	2	18 x 12	5.6	21600	30500	39500	48500		
WC3SR	2	3	18 x 12	4.2	22900	32300	41700	51200			
	1	3	18 x 12	4.2	26900	38000	49100	60300			
AFLM	WC2SP	2	2	18 x 12	2.8	22100	31300	40500	49900	9.2	20
		1	2	18 x 12	2.8	23700	33500	43500	53600		
	WC3SP	2	3	18 x 12	2.1	27700	39100	50700	62400		
		1	3	18 x 12	2.1	29800	42100	54700	67300		
	WC4SP	2	4	18 x 12	1.1	31000	43900	57000	70100	10.8	20
		1	4	18 x 12	1.1	33500	47400	61500	75800		
	WC2SR	2	2	18 x 12	5.6	23900	33800	43700	53800		
		1	2	18 x 12	5.6	25800	36500	47300	58200		
	WC3SR	2	3	18 x 12	4.2	30100	42500	55100	67700		
		1	3	18 x 12	4.2	32800	46300	60000	73700		
	WC4SR	2	4	18 x 12	2.2	34000	48000	62300	76600		
		1	4	18 x 12	2.2	37200	52600	68100	83800		
AFLF	WC2LP	3	2	22 x 14.5	3.6	30200	42600	55300	68000	14.3	30
		2	2	22 x 14.5	3.6	31700	44800	58000	71400		
		1	2	22 x 14.5	3.6	32900	46600	60400	74400		
	WC3LP	3	3	22 x 14.5	1.7	36300	51400	66700	76600		
		2	3	22 x 14.5	1.7	38200	54000	70100	80600		
	1	3	22 x 14.5	1.7	39700	56200	73000	84000			
	WC4LP	3	4	22 x 14.5	1.1	43600	61600	79900	92900		
		2	4	22 x 14.5	1.1	45900	64900	84200	98000		
	1	4	22 x 14.5	1.1	47800	67600	87700	102200			
	WC2LR	3	2	22 x 14.5	7.2	33200	46800	60600	74500	15.8	30
		2	2	22 x 14.5	7.2	35000	49400	64000	78700		
		1	2	22 x 14.5	7.2	36600	51800	67100	82500		
WC3LR	3	3	22 x 14.5	3.4	40500	57300	74200	84400			
	2	3	22 x 14.5	3.4	42900	60700	78600	89500			
1	3	22 x 14.5	3.4	45000	63600	82500	94000				
WC4LR	3	4	22 x 14.5	2.2	49000	69300	89700	103600			
	2	4	22 x 14.5	2.2	52200	73800	95600	110400			
	1	4	22 x 14.5	2.2	55000	77700	100800	116300			

XS-13 BLOWER DATA						
MODEL	MOTOR SPEED	CFM VS EXTERNAL STATIC PRESSURE				
		0.10	0.20	0.30	0.40	0.50
AFLS+ WC2SR WC3SR	5	900	855	800	740	675
	4	670	650	615	600	550
	3	460	445	420	400	385
	2	900	855	800	740	675
	1	350	335	315	300	280
AFLM+ WC2SR WC3SR WC4SR	5	1200	1130	1085	1030	985
	4	1140	1090	1030	975	910
	3	905	870	835	800	740
	2	760	730	695	650	605
	1	475	450	425	400	375
AFLF+ WC2LR WC3LR WC4LR	5	1875	1800	1730	1690	1625
	4	1705	1660	1600	1530	1480
	3	1495	1460	1430	1400	1365
	2	1340	1295	1255	1200	1140
	1	910	875	840	800	745

* Dry coil with filter in place

AFL SERIES MULTI-POSITION HIGH EFFICIENCY HYDRONIC FURNACE

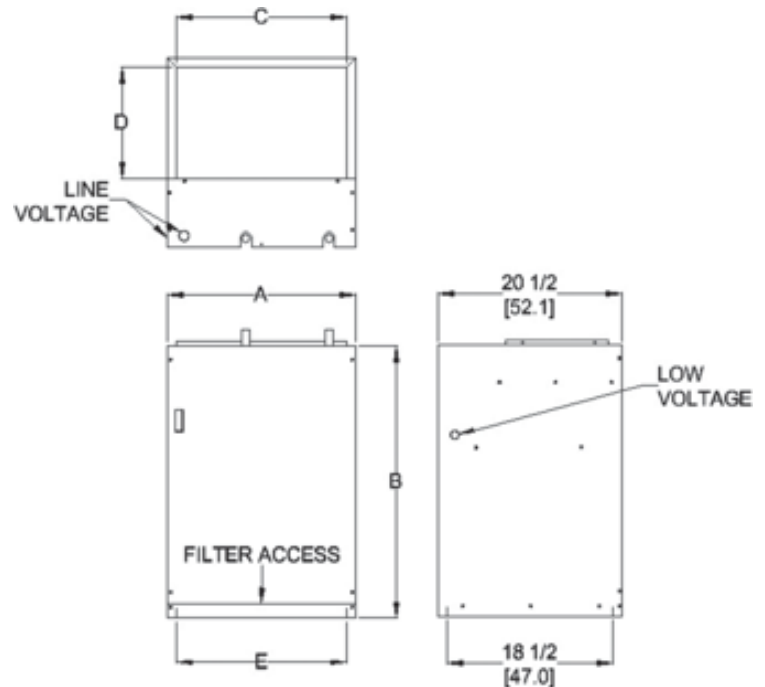
PHYSICAL DATA				
MODEL	AF LS	AF LM	AF LL	
TRANSFORMER	40 VA, CLASS 2. 120 VOLT PRIMARY, 24 VOLT SECONDARY			
VOLTAGE	120 VOLT - 60HZ			
FILTER SIZE	16x20x1	16x20x1	20x20x1	
BLOWER DATA	WHEEL (DIA." x WIDTH")	9 x 6	10 x 8	12 x 9
	MOTOR HP	1/3	1/2	1
	MOTOR F.L.A.	4.8	6.8	10.9
	FACTORY SPEED TAP	TAP 1	TAP 1	TAP 1
	NOMINAL CFM RANGE	800-300	1200-400	1800-800
PUMP DATA 006 STANDARD	PUMP VOLTAGE	115		
	PUMP HP	1/40		
	PUMP AMPS	0.52		
PUMP DATA 009 SPECIAL	PUMP VOLTAGE	115		
	PUMP HP	1/8		
	PUMP AMPS	1.8		

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

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	S = 18, 24, 30, 36 L = 42, 48, 60	P = with 006 pump R = with 009 pump 8 = with 008 High Pressure Drop Pump L = less pump

DIMENSIONS AND SPECIFICATIONS								
MODEL	WIDTH A	HEIGHT B	DUCT OPENING		BOTTOM OPENING	FILTER SIZE	SHIP WEIGHT (LBS)	SKID QTY
			C	D	E			
AFLS	21	21	18-3/4	12	18-1/2	16 x 20	83	8
AFLM	21	21	18-3/4	12	18-1/2	16 x 20	85	6
AFL L	24-1/2	24-1/2	22-1/4	14-1/2	22-1/4	20 x 20	110	6

INSTALLATION CLEARANCES		
	OPERATION	SERVICE
TOP	0"	0"
FRONT	0"	30"
SIDES	0"	0"
REAR	0"	0"



Ask for Aspen. North America's Largest Independent Coil and Air Handler Manufacturer.

Aspen Manufacturing is one of the largest independent evaporator coil and air handler manufacturers for the heating, ventilation, and air conditioning (HVAC) industry. As a recognized leader in product quality and indoor comfort, Aspen has continued to deliver on its promise of world-class performance since 1975. All products are designed, engineered, and manufactured in the United States with a commitment to utilizing a US supply chain where possible. The company's product offerings include high-quality residential and light commercial evaporator coils, blowers, and air handling units for multi-family, single-family residential, and manufactured homes.



Aspen utilizes state-of-the-art fabrication, assembly equipment, and stringent quality processes to maintain the highest possible quality in its products. The company adheres to its award-winning lean manufacturing system designed to eliminate inefficient procedures, policies, and production practices. Incorporating ISO techniques, the company's quality management system (QMS) ensures product delivery that meets the highest industry standards. Beyond technical compliance, Aspen can quickly adapt to changing market demands thanks to the company's nimble ability to react to changes in requirements and leadership's commitment to enabling a customer-centered company philosophy.



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