

AEL SERIES - FURNACE

ELECTRIC HIGH-EFFICIENCY MULTI-POSITION



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

APPLICATION VERSATILITY

Upflow or horizontal left as shipped (field convertible for downflow or horizontal right).

- 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 and AHRI listed for R22, R410A, R454B, and R32 refrigerants [A2L refrigerants certified with Refrigerant Detection System (RDS)].

240V CONSTANT TORQUE ECM MOTOR

Pre-programmed, multi-speed, 208V/240V ECM motors that ensure higher efficiency and increased energy savings by delivering constant torque during operation. Motors are pre-programmed with speeds and torques at the factory for optimal performance and reliability. Direct drive blowers circulate air quietly and efficiently. Rail mounted blowers provide easy removal for service and maintenance.

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.

CABINET

Sturdy, low profile 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 ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available with 3 to 30 KW. Models with electric heat include sequencers and temperature limit switches for safe, efficient operation. Modules are easily installed in the field using Molex plugs or can be ordered factory-installed. Controls are accessible from the front for easy service. Electrical connections can be made from the top or left. Disconnect does not protrude through the wall panel. Fan time delay relay standard.

WARRANTY Five-year limited parts warranty with registration.

OPTIONS Ask your local Aspen Sales Rep for customization options.

AIR HANDLER CHASSIS NOMENCLATURE

AEL	CABINET SIZE & NOM. TON	OPTION CODE
	S/M/L	-001
240V ECM MOTOR MULTI-POSITION ELECTRIC FURNACE	S = 18 & 24 M = 30 & 36 L = 42, 48 & 60	CUSTOMIZATION OPTIONS

ELECTRIC HEAT KIT NOMENCLATURE

HEAT KIT SERIES	POWER CONNECTION	CABINET SIZE & NOM. TON.	HEAT STRIP	
E	C	S	03	
ELECTRIC HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK P = SINGLE POINT HOOKUP 3 = 3-PHASE CIRCUIT BREAKER 4 = 3-PHASE TERMINAL BLOCK	S = 18-36 L = 42-60	03 = 3 KW 05 = 5 KW 06 = 6 KW 08 = 8 KW 10 = 10 KW	15 = 15 KW 20 = 20 KW 24 = 24 KW 25 = 25 KW 30 = 30 KW

AEL-SS-AH-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

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

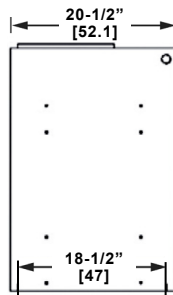


HEATING/COOLING PERFORMANCE & ELECTRICAL DATA										
MODEL	PERFORMANCE DATA						ELECTRICAL DATA			
	NOM. COOLING BTU	ELECTRIC HEAT KIT MODEL	HEATING				MIN. CIRCUIT AMPACITY		MAX. BREAKER OR FUSE SIZE	
			KW		KBTUH		MCA			
			208V	240V	208V	240V	208V	240V	208V	240V
AELS	18,000 - 24,000	E(C,T)S00	0.0	0.0	0.0	0.0	3.5	3.5	15.0	15.0
		E(C,T)S03	2.3	3.0	7.8	10.2	17.0	19.1	20.0	20.0
		E(C,T)S05	3.6	4.8	12.6	16.4	25.1	28.5	25.0	30.0
		E(C,T)S08	6.0	8.0	20.8	27.3	39.6	45.2	40.0	45.0
		E(C,T)S10	7.2	9.6	25.3	32.8	46.8	53.5	50.0	60.0
AELM	30,000 - 36,000	E(C,T)S00	0.0	0.0	0.0	0.0	5.1	5.1	15.0	15.0
		E(C,T)S03	2.3	3.0	7.8	10.2	18.6	20.8	20.0	25.0
		E(C,T)S05	3.6	4.8	12.6	16.4	26.8	30.1	30.0	30.0
		E(C,T)S08	6.0	8.0	20.8	27.3	41.2	46.8	45.0	50.0
		E(C,T)S10	7.2	9.6	25.3	32.8	48.4	55.1	50.0	60.0
		E(C,T)S15	11.3	14.4	38.5	49.1	48.4/21.6	55.1/25	50/25	60/25
AELL	42,000 48,000 60,000	E(C,T)L00	0.0	0.0	0.0	0.0	9.5	9.5	20.0	20.0
		E(C,T)L08	6.1	8.0	7.8	10.2	45.6	51.2	45.0	60.0
		E(C,T)L10	7.4	9.6	12.6	16.4	52.8	59.5	60.0	60.0
		E(C,T)L15	11.3	14.4	38.6	49.1	52.8/21.6	59.5/25	60/25	60/25
		E(C,T)L20	14.4	19.2	49.1	65.5	52.8/43.3	59.5/50	60/45	60/50
		E(C,T)L25	18.0	24.0	61.4	81.9	52.8/43.3/21.6	59.5/50/25	60/45/25	60/50/25
		E(C,T)L30	21.6	28.8	73.7	98.26	52.8/43.3/43.3	59.5/50/50	60/45/45	60/50/50

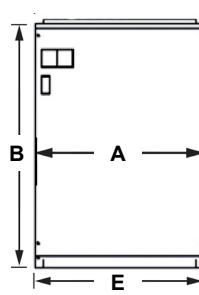
BLOWER DATA									
MODEL	240V ECM MOTOR				CFM VS EXTERNAL STATIC* (DRY COIL)				
	SPEED TAP	HP	AMPS	VOLT	0.1	0.2	0.3	0.4	0.5
AELS	T1	1/3	2.8	650	650	590	540	500	470
	T2	1/3	2.8	650	685	650	600	575	540
	T3	1/3	2.8	650	885	850	810	775	750
	T4	1/3	2.8	650	1075	1040	1000	960	930
	T5	1/3	2.8	650	1300	1250	1210	1170	1130
AELM	T1	1/2	4.1	990	990	980	930	800	750
	T2	1/2	4.1	990	1100	1050	1020	1000	950
	T3	1/2	4.1	990	1275	1240	1200	1175	1150
	T4	1/2	4.1	990	1450	1410	1380	1350	1310
	T5	1/2	4.1	990	1575	1550	1525	1490	1465
AELL	T1	1	7.6	1340	1340	1200	1050	865	775
	T2	1	7.6	1340	1480	1375	1230	1100	980
	T3	1	7.6	1340	1725	1650	1630	1590	1540
	T4	1	7.6	1340	1900	1865	1830	1775	1740
	T5	1	7.6	1340	2120	2075	2015	1975	1940

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

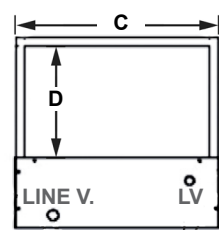
SIDE VIEW



FRONT VIEW



BOTTOM VIEW



WIRE CONNECTIONS:
LV = LOW VOLTAGE / LINE V = LINE VOLTAGE

DIMENSIONS & SHIPPING SPECIFICATIONS (In.) - FIGURE 1

MODEL	A	B	DUCT OPENING		BOTTOM OPENING E	FILTER	SHIPPING INFO	
			C	D			WEIGHT	SKID QTY
AELS	21	26	18-3/4	12	18-1/2	16X20X1	69	8
AELM	21	26	18-3/4	12	18-1/2	16X20X1	78	
AELL	24-1/2	32	22-1/4	10-1/2	22	20X20X1	89	

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