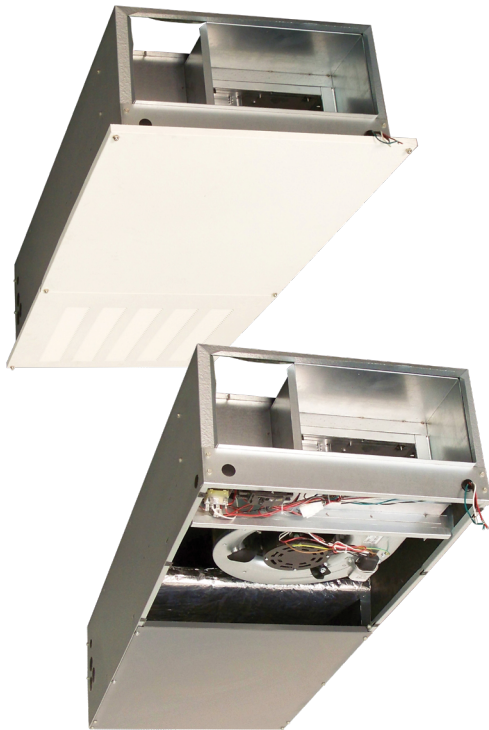


# AEC SERIES

## CEILING MOUNT ELECTRIC HEAT

### FEATURES, BENEFITS, DIMENSIONS, & SPECIFICATIONS



Unit shown with service panels removed. Representative image only. Some models may vary in appearance. Due to continuous product improvement, specifications are subject to change without notice.

#### APPLICATION VERSATILITY

Built in mounting tabs for ceiling or furrdown mounting. Louvered ceiling access panel has separate frame that attaches to ceiling joists. Solid access panel available for use with end return installations. Can be AHRI matched with most brands of air conditioners or heat pumps.

- 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

Constant torque ECM speeds and torques are controlled by software embedded in the motor to maintain constant torque. Motors are pre-programmed at the factory.

#### CABINET

Sturdy, fully insulated galvanized steel cabinet with painted front panels.

#### MODULAR HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available in 3, 5, 8, & 10 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 for increased efficiency.

#### BLOWER

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

#### ELECTRONIC CIRCUIT BOARD

Electronic circuit, board provides 30 secs ON/OFF blower time delay extracting more heat/cool from the coil.

#### DX COIL

High efficiency rifled copper tubes/ enhanced aluminum fins provide maximum heat transfer. All coils immersion tested at 500 psi, then Nitrogen pressurized and factory sealed for maximum reliability Liquid-line Schrader allows pre-installation pressure testing. Available with either check style flowrater or TXV metering device. Field installable TXVs are also available. Galvanized metal drain pan with bottom primary and secondary drain connections or alternate right side primary. All connections 3/4" NPT. Access door allows for coil cleaning.

**WARRANTY** Five-year limited parts warranty.

**OPTIONS** See options menu.



### WANT MORE INFORMATION ON ASPEN'S AEC 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.**

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. AEC-Spec-2025-03



HEATING/COOLING PERFORMANCE & ELECTRICAL DATA										
MODEL	PERFORMANCE DATA						ELECTRICAL DATA			
	NOM. COOLING (BTU)	ELECTRIC HEAT KIT	HEATING (KW)		HEATING CAPACITY (MBTUH)		MIN. CIRCUIT AMPACITY (MCA2)		MAX. BREAKER OR FUSE SIZE (MEU2)	
			208V	240V	208V	240V	208V	240V	208V	240V
AEC 18	18,000	G(C,T)S00	0	0	0	0	3.5	3.5	15	15
		G(C,T)S03	2.3	3	7.8	10.2	17.0	19.1	20	20
		G(C,T)S05	3.8	5	13.0	17.1	25.1	28.5	30	30
		G(C,T)S08	6.0	8	20.8	27.3	39.6	45.2	45	50
		G(C,T)S10	7.5	10	24.9	32.8	46.8	53.5	50	60
AEC 24	24,000	G(C,T)S00	0	0	0	0	3.5	3.5	15	15
		G(C,T)S03	2.3	3	7.8	10.2	17.0	19.1	20	20
		G(C,T)S05	3.8	5	13.0	17.1	25.1	28.5	30	30
		G(C,T)S08	6.0	8	20.8	27.3	39.6	45.2	45	50
		G(C,T)S10	7.5	10	24.9	32.8	46.8	53.5	50	60
AEC 30	30,000	G(C,T)S00	0	0	0	0	5.1	5.1	15	15
		G(C,T)S03	2.3	3	7.8	10.2	18.6	20.8	20	25
		G(C,T)S05	3.8	5	13.0	17.1	26.8	30.1	30	35
		G(C,T)S08	6.0	8	20.8	27.3	41.2	46.8	45	50
		G(C,T)S10	7.5	10	24.9	32.8	48.4	55.1	50	60
AEC 36/37	36,000	G(C,T)S00	0	0	0	0	5.1	5.1	15	15
		G(C,T)S03	2.3	3	7.8	10.2	18.6	20.8	20	25
		G(C,T)S05	3.8	5	13.0	17.1	26.8	30.1	30	35
		G(C,T)S08	6.0	8	20.8	27.3	41.2	46.8	45	50
		G(C,T)S10	7.5	10	24.9	32.8	48.4	55.1	50	60

BLOWER DATA														
MODEL	SPEED TAP	ECM MOTOR			CFM VS EXTERNAL STATIC* (WET COIL)									
		HP	AMPS	VOLT	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
AEC 18/24	T1	3/4	5.4	240	710	650	590	530	470	460	410	340	-	-
	T2	3/4	5.4		770	720	670	630	570	510	450	420	370	340
	T3	3/4	5.4		900	850	810	800	705	660	610	560	510	480
	T4	3/4	5.4		1130	1100	1060	1020	980	940	900	850	810	760
	T5	3/4	5.4		1310	1280	1240	1200	1165	1130	1080	1050	1010	970
AEC 30/36/37	T1	1	7.0		1130	1100	1060	1020	965	900	860	810	750	690
	T2	1	7.0		1340	1300	1265	1230	1200	1155	1115	1050	1020	975
	T3	1	7.0		1490	1450	1420	1400	1365	1330	1300	1270	1235	1170
	T4	1	7.0		1670	1640	1610	1585	1550	1520	1500	1460	1430	1400
	T5	1	7.0		1850	1825	1800	1770	1750	1720	1690	1670	1640	1620

\* Wet coil with filter †For 208 operation multiply by 0.90

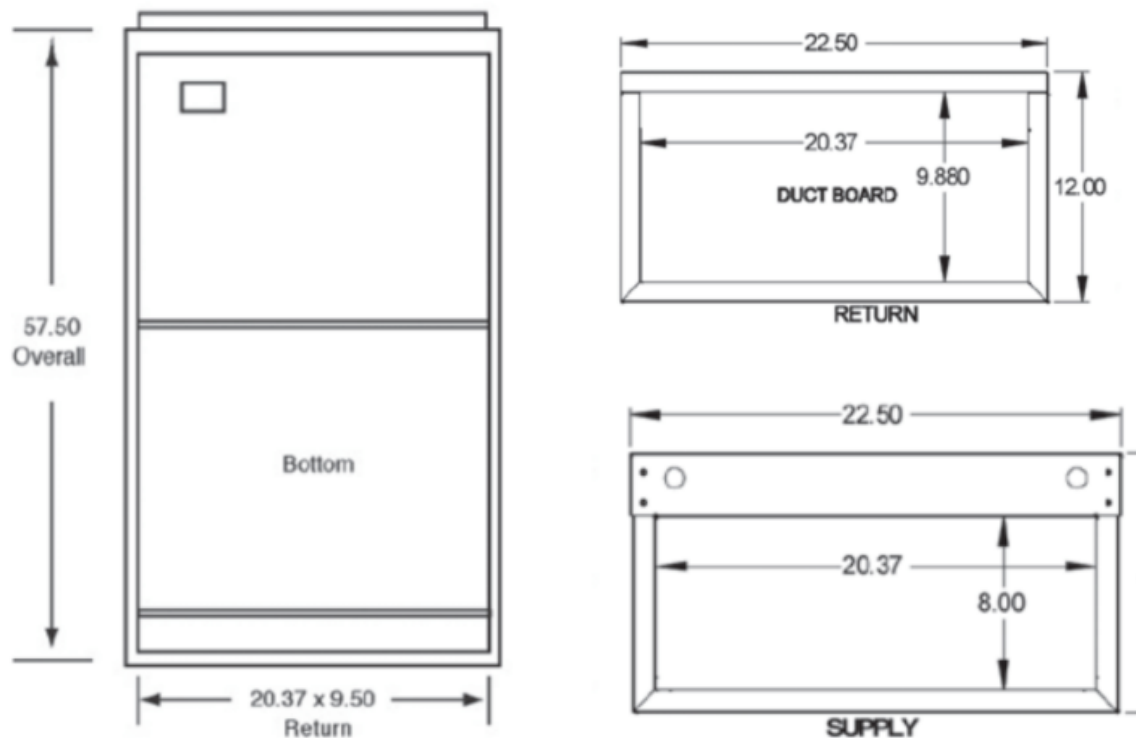
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ELECTRIC HEAT KIT NOMENCLATURE			
HEAT KIT SERIES	POWER CONNECTION	CABINET SIZE & NOM. TON.	HEAT STRIP
G	C	S	03
CEILING MOUNT ELECTRIC HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK	S (SMALL) 18-36	03 = 3 KW 08 = 8 KW 05 = 5 KW 10 = 10 KW

AIR HANDLER CHASSIS NOMENCLATURE			
AEC	NOM. TON.	METERING DEVICE	OPTION CODE
		18	F
240V CONSTANT TORQUE ECM CEILING MOUNT	18 = 18,000 24 = 24,000 30 = 30,000 36 = 36,000 (MBTUH)	<b>A1</b> 4 = R410A (TXV NON-BLEED A/C or H/P) F = R22 (PISTON) X = R22 (TXV NON-BLEED A/C or H/P) G = R410A (PISTON) B = R22 (TXV 20% BLEED A/C or H/P)	OPTION CODE
		<b>A2L</b> J = R454B (TXV NON-BLEED A/C or H/P) M = R32 (PISTON) K = R454B (TXV 20% BLEED A/C or H/P) N = R454B (PISTON) D = R32 (TXV NON-BLEED A/C or H/P)	

AEC DIMENSIONS (In.) - FIGURE 1								
MODEL	A	B	C	D	E	FILTER	SHIPPING INFO.	
							WEIGHT	SKID QTY
AEC18*	57-1/2 [146]	22-1/2 [57]	12 [20]	20-3/8 [52]	8 [20]	20X20	91	6
AEC24*							91	
AEC30*							100	
AEC36*/37*							100	

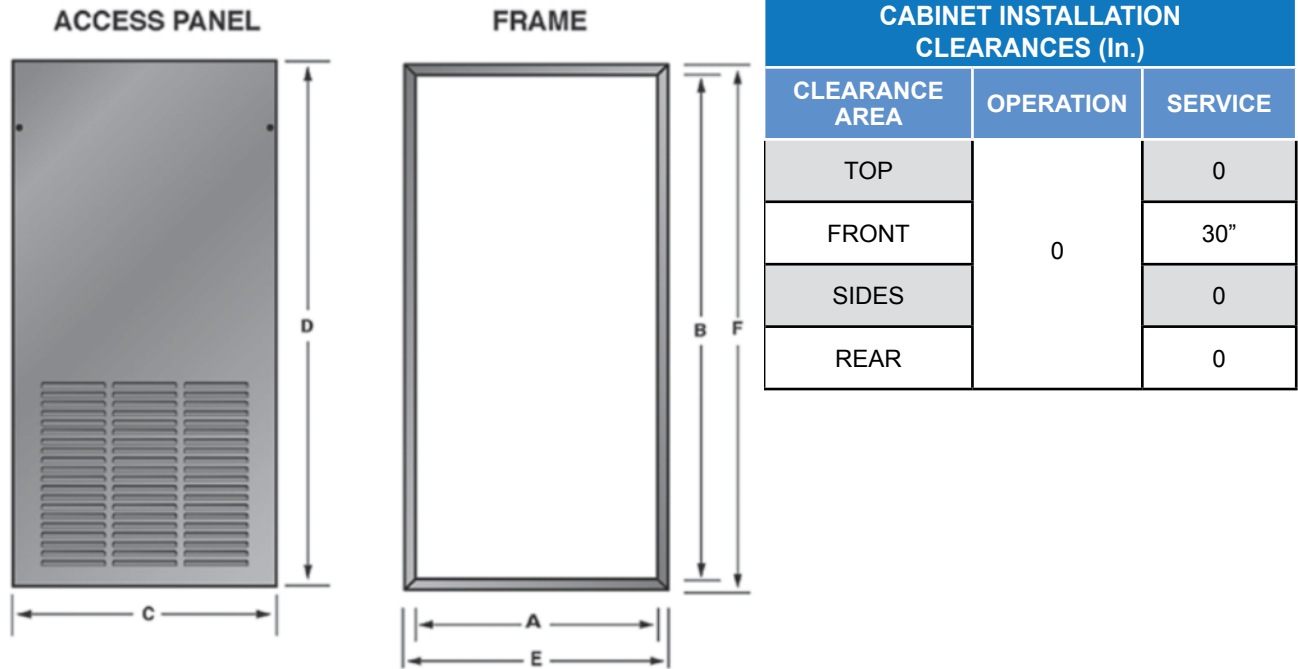
**FIGURE 1**



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AEC DIMENSIONS (In.) - FIGURE 2								
PANEL MODEL	FOR USE WITH	OPENING SIZE		PANEL DIMENSION		FRAME DIMENSION		# OF PANELS
		A	B	C	D	E	F	
CAD-4(S/L)	AEC	23-3/4	58	24-3/4	60	24-5/8	59-7/8	2

**FIGURE 2**



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