

AEW SERIES ELECTRIC HEAT AIR HANDLER

HIGH-EFFICIENCY WALL MOUNT



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

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 and factory sealing to ensure optimal system integrity and long-term reliability. Liquid-line Schrader allows pre-installation pressure assurance testing. Available with either check style flowrator 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 Ten-year limited parts warranty with registration.

APPLICATION VERSATILITY

Front or bottom return air position. Offset hanging brackets attach to unit and wall to allow hanging inside closet. Can be AHRI matched 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 410A. ETL listed for R454B and R32 with Refrigerant Detection System (RDS).

240V CONSTANT TORQUE ECM MOTOR

Pre-programmed, 5-speed, ECM motors that ensure higher efficiency and increased energy savings by delivering constant torque during operation.

LOW LEAKAGE CABINET

Less than 1.4% air leakage from cabinet when tested in accordance with ASHRAE standard 193. Unit must be installed according to Aspen installation instructions. Sturdy, fully insulated galvanized steel cabinet; stick pins ensure 1/2" insulation remains in place. Unit ships with disposable filter.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available from 3 to 25 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. Automotive-style pull fuse protection on the circuit board to provide low voltage and transformer protection.

OPTIONS See options menu.

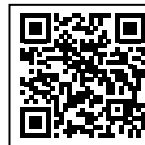
AEW-SS-AH-001-A

HELPFUL LINKS



VIEW PRODUCT ONLINE

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



AHRI QUICK MATCH TOOL

Identify the correct AHRI-certified match for any Aspen coil, air handler, or Aspen PRO air handler. Available on the Resources page.



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	ELECTRIC HEAT KIT MODEL	PERFORMANCE DATA						ELECTRICAL DATA		
		NOM. COOLING	HEATING		HEATING CAPACITY		MIN. CIRCUIT AMPACITY		MAX. BREAKER OR FUSE SIZE	
			KW		MBTUH		MCA		MFU	
		BTU	208V	240V	208V	240V	208V	240V	208V	240V
AEW 18	F(C,T)S00	18,000	0.0	0.0	0.0	0.0	3.5	3.5	15	15
	F(C,T)S03		2.3	3.0	7.8	10.2	17.0	19.1	20	20
	F(C,T)S05		3.7	4.8	12.6	16.4	25.1	28.5	30	30
	F(C,T)S06		4.6	6.0	13.5	17.9	30.5	34.8	35	35
	F(C,T)S08		6.0	8.0	20.5	27.3	39.6	45.2	40	50
	F(C,T)S10		7.2	9.6	24.5	32.8	46.8	53.5	50	50
AEW 19/20	F(C,T)S00		0.0	0.0	0.0	0.0	3.0	3.0	15	15
	F(C,T)S03		2.3	3.0	7.8	10.2	16.5	18.6	20	20
	F(C,T)S05		3.7	4.8	12.6	16.4	24.6	28.0	30	30
	F(C,T)S06		4.6	6.0	13.5	17.9	30.0	34.3	35	35
	F(C,T)S08		6.0	8.0	20.5	27.3	39.1	44.7	40	50
	F(C,T)S10		7.2	9.6	24.5	32.8	46.3	53.0	50	60
AEW 23/24	F(C,T)S00	24,000	0.0	0.0	0.0	0.0	3.5	3.5	15	15
	F(C,T)S03		2.3	3.0	7.8	10.2	17.0	19.1	20	20
	F(C,T)S05		3.7	4.8	12.6	16.4	25.1	28.5	30	30
	F(C,T)S06		4.6	6.0	13.5	17.9	30.5	34.8	35	35
	F(C,T)S08		6.0	8.0	20.5	27.3	39.6	45.2	40	50
	F(C,T)S10		7.2	9.6	24.5	32.8	46.8	53.5	50	60
AEW 25/26	F(C,T)S00		0.0	0.0	0.0	0.0	3.0	3.0	15	15
	F(C,T)S03		2.3	3.0	7.8	10.2	16.5	18.6	20	20
	F(C,T)S05		3.7	4.8	12.6	16.4	24.6	28.0	30	30
	F(C,T)S06		4.6	6.0	13.5	17.9	30.0	34.3	35	35
	F(C,T)S08		6.0	8.0	20.5	27.3	39.1	44.7	40	50
	F(C,T)S10		7.2	9.6	24.5	32.8	46.3	53.0	50	60
AEW 30	F(C,T)M00	30,000	0.0	0.0	0.0	0.0	5.1	5.1	15	15
	F(C,T)S03		2.3	3.0	7.8	10.2	18.6	20.8	20	25
	F(C,T)M05		3.7	4.8	12.6	16.4	26.8	30.1	30	35
	F(C,T)M06		4.6	6.0	13.5	17.9	32.2	36.4	35	40
	F(C,T)M08		6.0	8.0	20.5	27.3	41.2	46.8	45	50
	F(C,T)M10		7.2	9.6	24.5	32.8	48.4	55.1	50	60
AEW 31	F(C,T)M00		0.0	0.0	0.0	0.0	4.5	4.5	15	15
	F(C,T)S03		2.3	3.0	7.8	10.2	18.0	20.1	20	25
	F(C,T)M05		3.7	4.8	12.6	16.4	26.1	29.5	30	35
	F(C,T)M06		4.6	6.0	13.5	17.9	31.6	35.8	35	40
	F(C,T)M08		6.0	8.0	20.5	27.3	40.6	46.2	45	50
	F(C,T)M10		7.2	9.6	24.5	32.8	47.8	54.5	50	60
AEW 36	F(C,T)M00	36,000	0.0	0.0	0.0	0.0	5.1	5.1	15	15
	F(C,T)S03		2.3	3.0	7.8	10.2	18.6	20.8	20	25
	F(C,T)M05		3.7	4.8	12.6	16.4	26.8	30.1	30	35
	F(C,T)M06		4.6	6.0	13.5	17.9	32.2	36.4	35	40
	F(C,T)M08		6.0	8.0	20.5	27.3	41.2	46.2	45	50
	F(C,T)M10		7.2	9.6	24.5	32.8	48.4	55.1	50	60
AEW 36	F(C,T)M00		0.0	0.0	0.0	0.0	4.5	4.5	15	15
	F(C,T)S03		2.3	3.0	7.8	10.2	18.0	20.1	20	25
	F(C,T)M05		3.7	4.8	12.6	16.4	26.1	29.5	30	35
	F(C,T)M06		4.6	6.0	13.5	17.9	31.6	35.8	35	40
	F(C,T)M08		6.0	8.0	20.5	27.3	40.6	46.2	45	50
	F(C,T)M10		7.2	9.6	24.5	32.8	47.8	54.5	50	60

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	240V ECM MOTOR			CFM VS EXTERNAL STATIC*† (WET COIL)				
	SPEED TAP	HP	AMPS	0.1	0.2	0.3	0.4	0.5
AEW 18/23/24	T1	1/3	2.8	909	864	840	800	782
	T2			723	690	652	631	600
	T3			600	565	539	502	480
	T4			723	690	652	631	600
	T5			909	864	840	800	782
AEW 19/25	T1	1/3	2.8	670	645	615	590	570
	T2			800	780	750	730	695
	T3			875	850	820	790	760
	T4			980	955	930	900	875
	T5			1065	1035	1015	995	970
AEW 20/26	T1	1/3	2.8	655	630	605	580	560
	T2			785	765	735	715	685
	T3			860	835	805	775	745
	T4			960	935	910	885	860
	T5			1045	1015	995	975	950
AEW 30/36	T1	1/2	4.1	1365	1332	1303	1271	1240
	T2			745	698	668	630	600
	T3			898	873	853	827	800
	T4			1174	1132	1106	1078	1047
	T5			1365	1332	1303	1271	1240
AEW 31/37	T1	1/2	4.1	745	715	675	640	615
	T2			940	910	875	840	805
	T3			1100	1070	1025	995	965
	T4			1220	1180	1155	1115	1085
	T5			1385	1350	1330	1290	1270

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

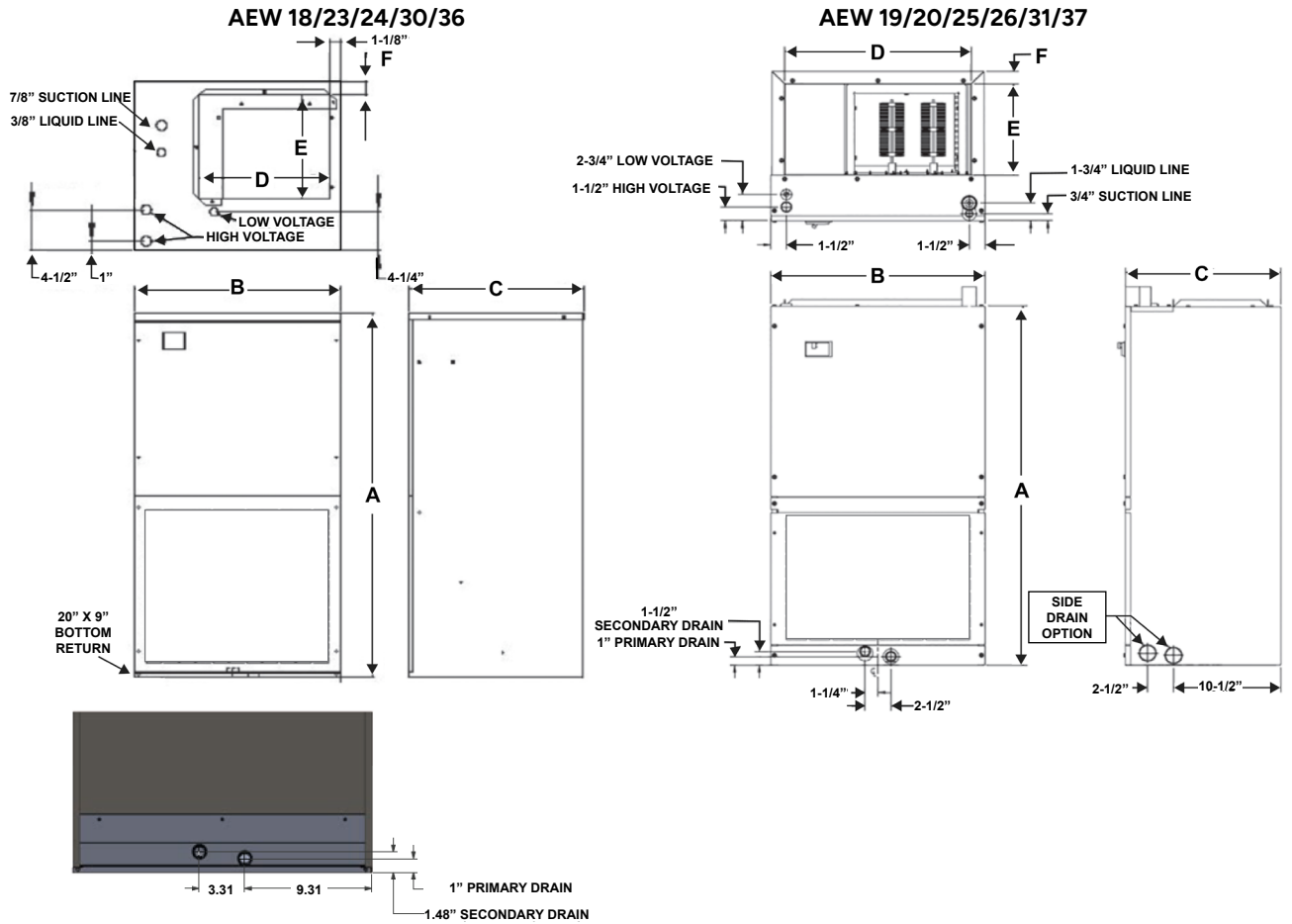
AIR HANDLER CHASSIS NOMENCLATURE			
AEW	NOM. TON.	METERING DEVICE	OPTION CODE
	MBTUH	F	-001
240V ECM MOTOR VERTICAL WALL-MOUNT DOWNFLOW ELECTRIC FURNACE	18 = 18,000 24 = 24,000 30 = 30,000 36 = 36,000	A1 REFRIGERANTS - R410A + R22	CUSTOM OPTIONS
		X = R22 (TXV NON-BLEED AC OR HP) 4 = R410A (TXV NON-BLEED AC OR HP) B = R22 (TXV 20% BLEED AC OR HP) G = R410A (FLOWRATOR) F = R22 (FLOWRATOR)	
		A2L REFRIGERANTS - R454B + R32	
		J = R454B (TXV NON-BLEED AC OR HP) D = R32 (TXV NON-BLEED AC OR HP) K = R454B (TXV 20% BLEED AC OR HP) M = R32 (PISTON) Z = R454B/R32 CONFIGURABLE N = R454B (PISTON) (Shipped with Piston)	

ELECTRIC HEAT KIT NOMENCLATURE			
HEAT KIT SERIES	POWER CONNECTION	CABINET SIZE & NOM. TON.	HEAT STRIP
F	C	S/M	KW
WALL-MOUNT ELECTRIC HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK	M = MEDIUM (33/34/38) S = SMALL (21/22/28/29)	00 = 0 KW 03 = 3 KW 05 = 5 KW 06 = 6 KW 08 = 8 KW 10 = 10 KW

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



DIMENSIONS AND SPECIFICATIONS (In.)[mm.] - FIGURE 1

MODEL	A	B	C	D	E	F	FILTER	PISTON	SHIPPING INFO	
									WEIGHT	QTY
AEW18*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	20X20	0.049	90	4
AEW19*	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	0.049	80	
AEW20*	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	0.049	80	
AEW23*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	20X20	0.049	90	
AEW24*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	20X20	0.049	90	
AEW25*	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	0.055	80	
AEW26*	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	0.055	80	
AEW30*	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1-3/8 [35]	20X20	0.059	102	
AEW31*	36 [915]	24 [610]	21 [533]	21-1/2 [546]	12 [305]	1-1/4 [32]	20X20	0.059	90	
AEW36*	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1-3/8 [35]	20X20	0.068	102	
AEW37*	36 [915]	24 [610]	21 [533]	21-1/2 [546]	12 [305]	1-1/4 [32]	20X20	0.068	90	

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

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