AIR HANDLERS AEW SERIES

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.

MANUFACTURED HOUSING
ELECTRIC FURNACE

FEATURES AND BENEFITS:

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.

- 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

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 2% 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 in 3,5,6,8, and 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. Automotive-style pull fuse protection on the circuit board to provide low voltage and transformer protection.

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" FPT. Access door allows for coil cleaning.

WARRANTY

Hassle-free five-year limited parts warranty.

OPTIONS

See options menu.

WANT MORE INFORMATION ON ASPEN'S AEW SERIES AIR HANDLERS?
SCAN QR CODE TO VISIT THIS PRODUCT ON OUR WEBSITE

5-YEAR LIMITED WARRANTY

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.

P 800-423-9007
www.aspenmfg.com

SPECIFICATIONS & PERFORMANCE:

HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

MODEL	ELECTRIC HEAT KIT	PERFORMANCE DATA					ELECTRICAL DATA			
		NOM. COOLING (BTU)	HEATING (KW)		HEATING CAPACITY (MBTUH)		MIN. CIRCUIT AMPACITY (MCA)		MAX BREAKER OR FUSE SIZE	
			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)M03		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)M03		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)M03		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	30
	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 37	F(C,T)M00		0.0	0.0	0.0	0.0	4.5	4.5	15	15
	F(C,T)M03		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

BLOWER DATA

MODEL	SPEED TAP	MOTOR			CFM V EXTERNAL STATIC*				
		HP	AMPS	VOLTAGE	0.10	0.20	0.30	0.40	0.50
AEW 18/23/24	TAP 1				909	864	840	800	782
	TAP 2				723	690	652	631	600
	TAP 3				600	565	539	502	480
	TAP 4				723	690	652	631	600
	TAP 5				909	864	840	800	782
AEW 19/25	TAP 1				670	645	615	590	570
	TAP 2				800	780	750	730	695
	TAP 3	1/3	2.8		875	850	820	790	760
	TAP 4				980	955	930	900	875
	TAP 5				1065	1035	1015	995	970
AEW 20/26	TAP 1				655	630	605	580	560
	TAP 2				785	765	735	715	685
	TAP 3			240	860	835	805	775	745
	TAP 4				960	935	910	885	860
	TAP 5				1045	1015	995	975	950
AEW 30/36	TAP 1				1365	1332	1303	1271	1240
	TAP 2				745	698	668	630	600
	TAP 3				898	873	853	827	800
	TAP 4				1174	1132	1106	1078	1047
	TAP 5	1/2	4.1		1365	1332	1303	1271	1240
AEW 31/37	TAP 1				745	715	675	640	615
	TAP 2				940	910	875	840	805
	TAP 3				1100	1070	1025	995	965
	TAP 4				1220	1180	1155	1115	1085
	TAP 5				1385	1350	1330	1290	1270

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

AIR HANDLER CHASSIS NOMENCLATURE

AEW	18	F	-001
240V X13 MOTOR VERTICAL WALL MOUNT DOWNFLOW ELECTRIC FURNACE	NOMINAL TONNAGE (MBTUH)	**A1 Metering device** 4 = Non-bleed A/C or H/P R410 TXV 6 = 20% bleed A/C or H/P R410 TXV F = R-22 Flo-rater G = R410 Flo-rater X = Non-bleed A/C or H/P R22 TXV **A2L Metering device** D = Non-bleed A/C or H/P R32 TXV J = Non-bleed A/C or H/P R454B TXV K = 20% bleed A/C or H/P R454B TXV M = R32 piston N = R454B piston	OPTION CODE

ELECTRIC HEAT KIT NOMENCLATURE

F	C	L	03
WALL MOUNT ELECTRIC HEAT	INTERRUPTION C = CIRCUIT BREAKER T = TERMINAL BLOCK	S = 18-26 M = 30-37	HEAT STRIP 03 = 3 KW 05 = 5 KW 08 = 8 KW 10 = 10 KW

DIMENSIONS AND SPECIFICATIONS (In.) - Figure 1										
MODEL	A	B	C	D	E	F	FILTER SIZE	PISTON SIZE	SHIP. WEIGHT (LBS)	SKID QTY
AEW18*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	20X20	0.049	90	
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	4
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	

Figure 1

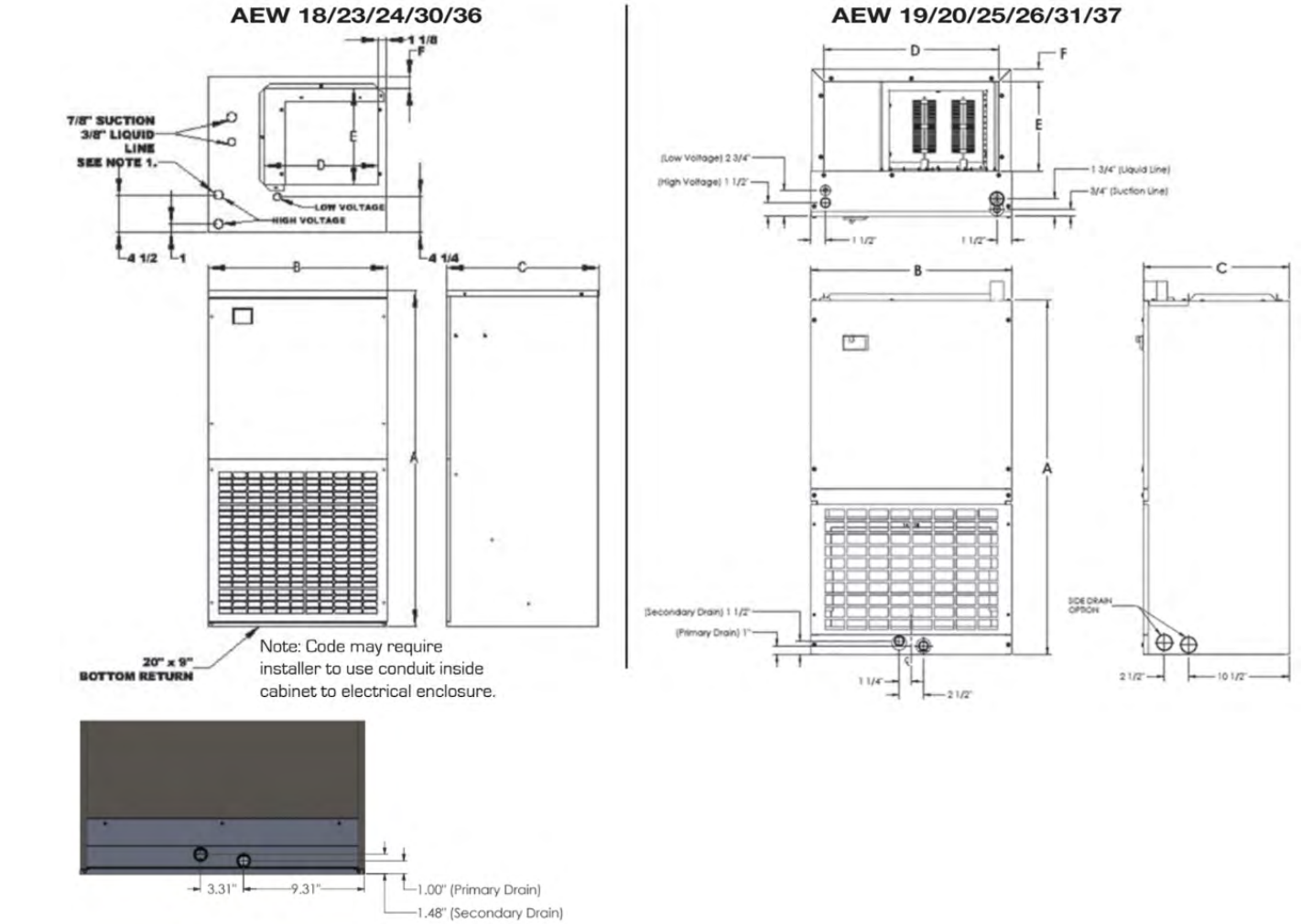
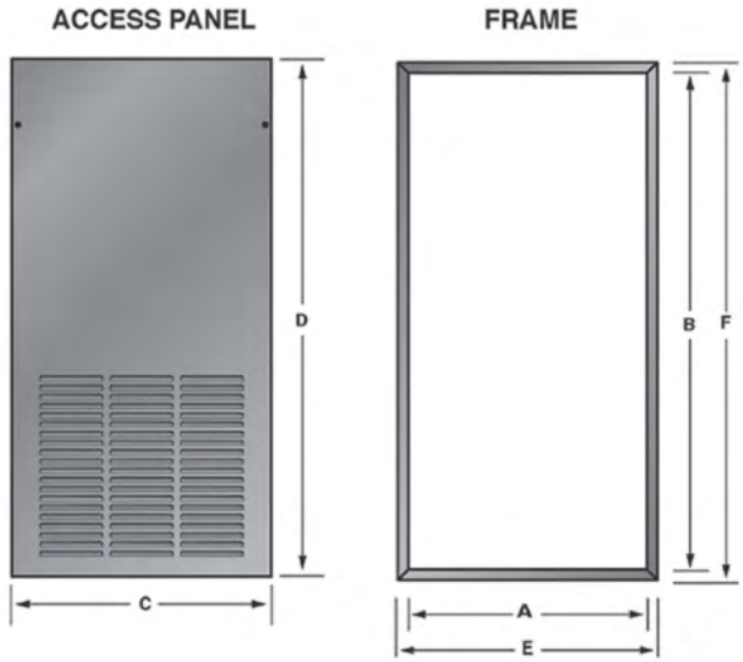


Figure 2



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

DIMENSIONS AND SPECIFICATIONS (In.) - Figure 2

PANEL MODEL	FOR USE WITH	FINISH	OPENING SIZE		PANEL DIMENSION		FRAME DIMENSION		# OF PANELS
			A	B	C	D	E	F	
WAD-7(S/L)	AEW 18/23/24	EMBOSSED	22.625	39.875	24.25	41.5	24.125	41.375	1
WAD-8(S/L)	AEW 30/36		22.625	42.875	24.25	41.5	24.125	44.375	
WAD-18(S/L)	AEW 18/23/24	SMOOTH	22.625	39.875	24.25	41.5	24.125	41.375	
WAD-19(S/L)	AEW 30/36		22.625	42.875	24.25	41.5	24.125	44.375	
WAD-20(S/L)	AEW 19/20/25/26	EMBOSSED	21.125	38.375	22.75	40	22.625	39.875	
WAD-21(S/L)	AEW 31/37		24.625	38.375	26.25	40	26.125	39.875	
WAD-22(S/L)	AEW 19/20/25/26	SMOOTH	21.125	38.375	22.75	40	22.625	39.875	
WAD-23(S/L)	AEW 31/37		24.625	38.375	26.25	40	26.125	39.875	