

PEW SERIES

ELECTRIC WALL MOUNT HANDLER, COPPER COIL



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

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 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. 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.

LOW LEAKAGE CABINET

Sturdy, fully insulated galvanized steel cabinet; stick pins ensure 1/2" insulation remains in place. Unit ships with disposable filter. 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.

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.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available from 3 to 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.

WARRANTY One-year limited parts warranty.

OPTIONS Ask your local Aspen Sales Rep for customization options.

CUSTOMIZATION OPTIONS*

UNIVERSAL A2L REFRIGERANT TECHNOLOGY FOR R32 & R454B SYSTEMS

Aspen coils and air handlers are engineered with Universal A2L Refrigerant Technology, allowing field configurability for either R32 or R454B refrigerants. Each unit ships with a factory-installed A2L metering device that can be easily swapped at installation, and includes the option for a factory- or field-installed universal Refrigerant Detection System (RDS) compatible with both refrigerants.

PEW-SS-AH-003-A



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HEATING/COOLING PERFORMANCE & ELECTRICAL DATA											
MODEL	PERFORMANCE DATA							ELECTRICAL DATA			
	NOM. COOLING	ELECTRIC HEAT KIT	MIN. SPEED TAP	HEATING		TOT. AMPS		MIN. CIRCUIT AMPACITY		MAX. BREAKER OR FUSE SIZE	
				KW		A		MCA			
	BTU			208V	240V	208V	240V	208V	240V	208V	240V
PEW 21	18,000	F(C,T)S00	-	0.0	0.0	2.8	2.8	3.5	3.5	15A	15A
		F(C,T)S03	T2	2.3	3.0	13.6	15.3	17.0	19.1	20A	20A
		F(C,T)S05	T2	3.6	4.8	20.1	22.8	25.1	28.5	30A	30A
		F(C,T)S06	T4	4.5	6.0	24.4	27.8	30.5	34.8	35A	35A
		F(C,T)S08	T4	6.0	8.0	31.6	36.1	39.6	45.2	40A	50A
		F(C,T)S10	T4	7.2	9.6	37.4	42.8	46.8	53.5	50A	60A
PEW 22	24,000	F(C,T)S00	-	0.0	0.0	2.8	2.8	3.5	3.5	15A	15A
		F(C,T)S03	T4	2.3	3.0	13.6	15.3	17.0	19.1	20A	20A
		F(C,T)S05	T4	3.6	4.8	20.1	22.8	25.1	28.5	30A	30A
		F(C,T)S06	T4	4.5	6.0	24.4	27.8	30.5	34.8	35A	35A
		F(C,T)S08	T5	6.0	8.0	31.6	36.1	39.6	45.2	40A	50A
		F(C,T)S10	T5	7.2	9.6	37.4	42.8	46.8	53.5	50A	60A
PEW 28		F(C,T)S00	-	0.0	0.0	2.8	2.8	3.5	3.5	15A	15A
		F(C,T)S03	T4	2.3	3.0	13.6	15.3	17.0	19.1	20A	20A
		F(C,T)S05	T4	3.6	4.8	20.1	22.8	25.1	28.5	30A	30A
		F(C,T)S06	T4	4.5	6.0	24.4	27.8	30.5	34.8	35A	35A
		F(C,T)S08	T5	6.0	8.0	31.6	36.1	39.6	45.2	40A	50A
		F(C,T)S10	T5	7.2	9.6	37.4	42.8	46.8	53.5	50A	60A
PEW 29		F(C,T)S00	-	0.0	0.0	2.8	2.8	3.5	3.5	15A	15A
		F(C,T)S03	T4	2.3	3.0	13.6	15.3	17.0	19.1	20A	20A
		F(C,T)S05	T4	3.6	4.8	20.1	22.8	25.1	28.5	30A	30A
		F(C,T)S06	T4	4.5	6.0	24.4	27.8	30.5	34.8	35A	35A
		F(C,T)S08	T5	6.0	8.0	31.6	36.1	39.6	45.2	40A	50A
		F(C,T)S10	T5	7.2	9.6	37.4	42.8	46.8	53.5	50A	60A
PEW 33	30,000	F(C,T)M00	-	0.0	0.0	4.1	4.1	5.1	5.1	15A	15A
		F(C,T)M03	T2	2.3	3.0	14.9	16.6	18.6	20.8	20A	25A
		F(C,T)M05	T2	3.6	4.8	21.4	24.1	26.8	30.1	30A	35A
		F(C,T)M06	T3	4.5	6.0	25.7	29.1	32.2	36.4	35A	40A
		F(C,T)M08	T3	3.0	8.0	32.9	37.4	41.2	46.8	45A	50A
		F(C,T)M10	T3	7.2	9.6	38.7	44.1	48.4	55.1	50A	60A
PEW 34		F(C,T)M00	-	0.0	0.0	4.1	4.1	5.1	5.1	15A	15A
		F(C,T)M03	T2	2.3	3.0	14.9	16.6	18.6	20.8	20A	25A
		F(C,T)M05	T2	3.6	4.8	21.4	24.1	26.8	30.1	30A	35A
		F(C,T)M06	T3	4.5	6.0	25.7	29.1	32.2	36.4	35A	40A
		F(C,T)M08	T3	3.0	8.0	32.9	37.4	41.2	46.8	45A	50A
		F(C,T)M10	T3	7.2	9.6	38.7	44.1	48.4	55.1	50A	60A
PEW 38	36,000	F(C,T)M00	-	0.0	0.0	4.1	4.1	5.1	5.1	15A	15A
		F(C,T)M03	T4	2.3	3.0	14.9	16.6	18.6	20.8	20A	25A
		F(C,T)M05	T4	3.6	4.8	21.4	24.1	26.8	30.1	30A	35A
		F(C,T)M06	T5	4.5	6.0	25.7	29.1	32.2	36.4	35A	40A
		F(C,T)M08	T5	3.0	8.0	32.9	37.4	41.2	46.8	45A	50A
		F(C,T)M10	T5	7.2	9.6	38.7	44.1	48.4	55.1	50A	60A

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PEW BLOWER DATA								
MODEL	240V ECM MOTOR			CFM VS EXTERNAL STATIC (DRY COIL)				
	SPEED TAP	HP	FLA	0.1	0.2	0.3	0.4	0.5
PEW 21	T1	1/3	2.8	655	630	605	580	560
	T2	1/3	2.8	785	765	735	715	685
	T3	1/3	2.8	860	835	805	775	745
	T4	1/3	2.8	960	935	910	885	860
	T5	1/3	2.8	1045	1015	995	975	950
PEW 22	T1	1/3	2.8	909	864	840	800	782
	T2	1/3	2.8	723	690	652	631	600
	T3	1/3	2.8	600	565	539	502	480
	T4	1/3	2.8	723	690	652	631	600
	T5	1/3	2.8	909	864	840	800	782
PEW 28	T1	1/3	2.8	909	864	840	800	782
	T2	1/3	2.8	723	690	652	631	600
	T3	1/3	2.8	600	565	539	502	480
	T4	1/3	2.8	723	690	652	631	600
	T5	1/3	2.8	909	864	840	800	782
PEW 29	T1	1/3	2.8	909	864	840	800	782
	T2	1/3	2.8	723	690	652	631	600
	T3	1/3	2.8	600	565	539	502	480
	T4	1/3	2.8	723	690	652	631	600
	T5	1/3	2.8	909	864	840	800	782
PEW 33	T1	1/2	4.1	1365	1332	1303	1271	1240
	T2	1/2	4.1	745	698	668	630	600
	T3	1/2	4.1	898	873	853	827	800
	T4	1/2	4.1	1174	1132	1106	1078	1047
	T5	1/2	4.1	1365	1332	1303	1271	1240
PEW 34	T1	1/2	4.1	1365	1332	1303	1271	1240
	T2	1/2	4.1	745	698	668	630	600
	T3	1/2	4.1	898	873	853	827	800
	T4	1/2	4.1	1174	1132	1106	1078	1047
	T5	1/2	4.1	1365	1332	1303	1271	1240
PEW 38	T1	1/2	4.1	1365	1332	1303	1271	1240
	T2	1/2	4.1	745	698	668	630	600
	T3	1/2	4.1	898	873	853	827	800
	T4	1/2	4.1	1174	1132	1106	1078	1047
	T5	1/2	4.1	1365	1332	1303	1271	1240

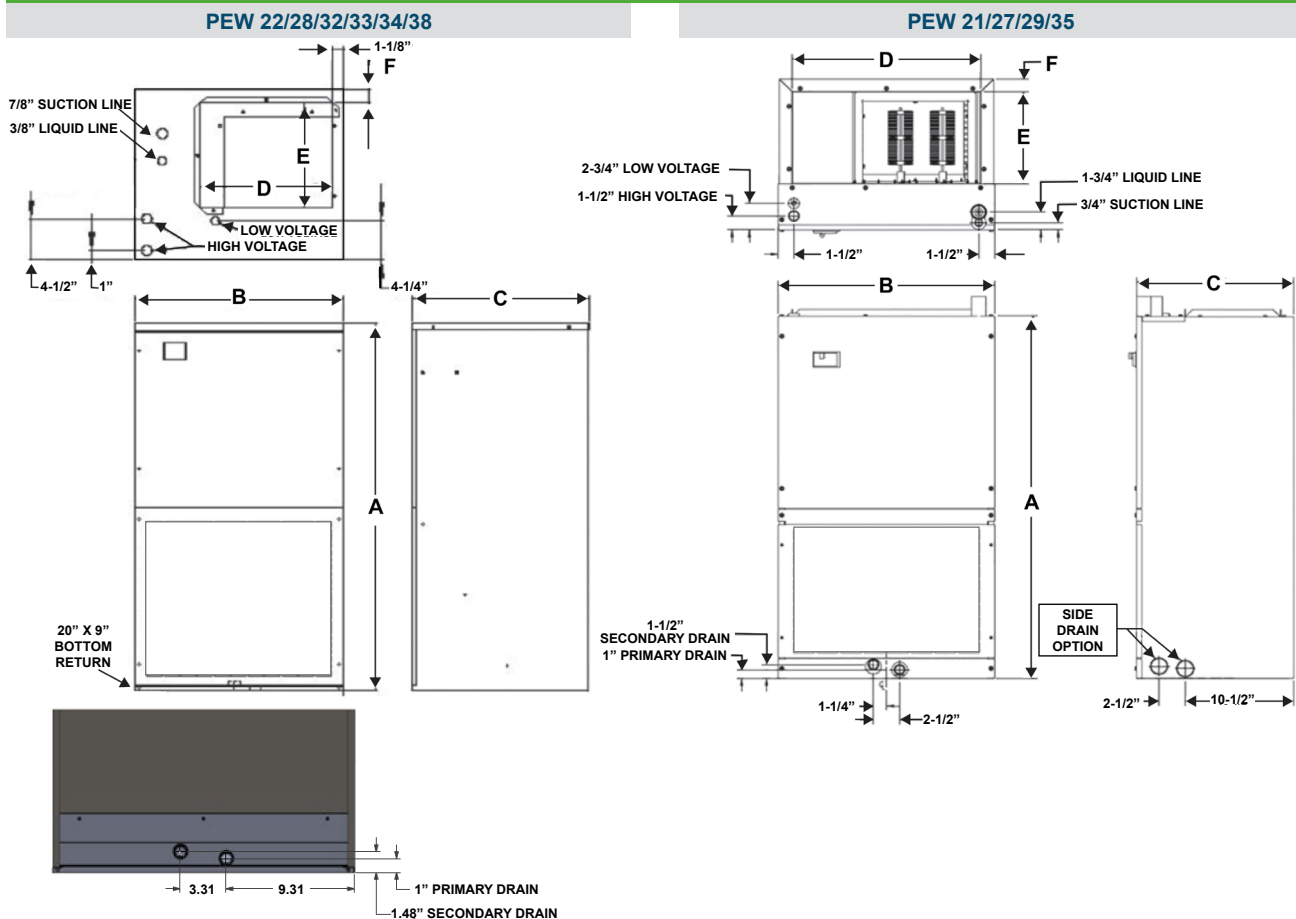
ELECTRIC HEAT NOMENCLATURE			
HEAT KIT SERIES	POWER CONNECTION	CABINET SIZE & NOM. TON.	HEAT STRIP
F	C	S/M	10
ELECTRIC HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK	M = 33/34/38 S = 21/22/28/29	00 = 0 KW 06 = 6 KW 03 = 3 KW 08 = 8 KW 05 = 5 KW 10 = 10 KW

PEW AIR HANDLER CHASSIS NOMENCLATURE					
BRAND	VOLT.	CONFIG.	NOM. TON.	METERING DEVICE	OPT. CODE
P	E	W	MBTUH	4	-000
ASPEN PRO	240V ECM MOTOR CONSTANT TORQUE ECM ELECTRIC HEAT AIR HANDLER	W = VERTICAL WALL MOUNT	21 32 22 33 27 34 28 35 29 38	A1 REFRIGERANTS - R410A + R22	CUSTOM OPTIONS
				4 = R410A (TXV NON-BLEED AC/HP) X = R22 (TXV NON-BLEED AC/HP) G = R410A (FLOWRATOR) B = R22 (TXV 20% BLEED AC/HP) F = R22 (FLOWRATOR)	
				A2L REFRIGERANTS - R454B + R32	
				J = R454B (TXV NON-BLEED AC/HP) D = R32 (TXV NON-BLEED AC/HP) K = R454B (TXV 20% BLEED AC/HP) M = R32 (PISTON) N = R454B (PISTON) Z = R454B/R32 CONFIGURABLE (Shipped w/ R454B Piston)	

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FIGURE 1



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

MODEL	A	B	C	D	E	F	FILTER	SHIPPING INFO	
								WEIGHT	SKID QTY
PEW21	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	80	4
PEW22/28/29	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	18X20	90	
PEW33/34	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1-3/8 [35]	20X20	102	
PEW38	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1-3/8 [35]	20X20	102	

ACCESS DOOR

VERSATILITY

Equipped with hidden frame feature. Fastens to the outside wall surface and does not have to perfectly match the hole opening. Frame screws are not visible after installation. Available in either solid (S) or louvered (L) style.

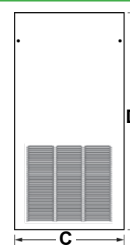
MATERIALS

Galvanized steel construction with smooth powder paint finish.

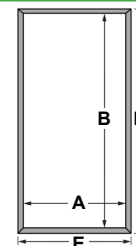
FILTER

20" x 20" x 1" field supplied.

ACCESS PANEL



FRAME



ACCESS DOOR DIMENSIONS (In.)

PANEL MODEL	FOR USE WITH	FINISH	OPENING SIZE		PANEL SIZE		FRAME SIZE		FILTERS (QTY)
			A	B	C	D	E	F	
WAD-7(S/L)	PEW 22/28/29	Embossed	22-5/8	39-7/8	24-1/4	41-1/2	24-1/8	41-3/8	1
WAD-8(S/L)	PEW 33/34/38	Embossed	22-5/8	42-7/8	24-1/4	44-1/2	24-1/8	44-3/8	
WAD-18(S/L)	PEW 22/28/29	Smooth	22-5/8	39-7/8	24-1/4	41-1/2	24-1/8	41-3/8	
WAD-19(S/L)	PEW 33/34/38	Smooth	22-5/8	42-7/8	24-1/4	44-1/2	24-1/8	44-3/8	
WAD-20(S/L)	PEW 21	Embossed	21-1/8	38-3/8	22-3/4	40	22-5/8	39-7/8	
WAD-22(S/L)	PEW 21	Smooth	21-1/8	38-3/8	22-3/4	40	22-5/8	39-7/8	

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