

# ASPENPRO HIGH-EFFICIENCY VERTICAL PEW SERIES WALL MOUNT ELECTRIC HEAT DX COOL AIR HANDLER

## FEATURES, BENEFITS, DIMENSIONS, & SPECIFICATIONS



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.

### WARRANTY

ONE YEAR LIMITED  
PARTS WARRANTY

relay standard for increased efficiency.

### DIRECT EXPANSION 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 factory installed. 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.



## WANT MORE INFORMATION ON THE ASPENPRO PEW SERIES VERTICAL WALL MOUNT 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.*

### APPLICATION VERSATILITY

Front or bottom return air position. Offset hanging brackets attach to unit and wall to allow hanging inside closet. Can be DOE matched with most brands of air conditioners or heat pumps. Field convertible front and bottom return. Wall hanging bracket included standard.

- 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.

### ELECTRONIC CONTROL 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

Less than 2% air leakage from cabinet when installed in enclosure and tested in accordance with ASHRAE 193. Sturdy, fully insulated galvanized steel cabinet.

### MODULAR ELECTRIC 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

HEATING/COOLING PERFORMANCE & ELECTRICAL DATA											
MODEL	PERFORMANCE DATA						ELECTRICAL DATA				
	NOM. COOLING (BTU)	ELECT. HEAT KIT MODEL	MIN. SPEED TAP	HEATING (KW)		TOT. AMPS (A)		MIN. CIRCUIT AMPACITY (MCA2)		MAX. BREAKER OR FUSE SIZE (MEU2)	
				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	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 29	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 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	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 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

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. AP-PEW-Spec-2025-03



PEW BLOWER DATA									
MODEL	SPEED TAP	MOTOR			CFM VS. EXTERNAL STATIC (DRY COIL)				
		HP	FLA	VOLT.	0.10	0.20	0.30	0.40	0.50
PEW 21	T1	1/3	2.8	240V	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
PEW 22	T1				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
PEW 28	T1				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
PEW 29	T1				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
PEW 33	T1	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			
PEW 34	T1	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			
PEW 38	T1	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			

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. AP-PEW-Spec-2025-03



AIR HANDLER CHASSIS NOMENCLATURE			
PEW	21	J	-000
PEW = 240V (ECM)	NOMINAL TONNAGE (MBTUH)	<b>A1 METERING DEVICE</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)	
		<b>A2L METERING DEVICE</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)	
<b>OPTION CODE</b>			

ELECTRIC HEAT NOMENCLATURE			
F	C	S	10
ELECTRIC HEAT	<b>INTERRUPTION</b> C = CIRCUIT BREAKER T = TERMINAL BLOCK		<b>HEAT STRIP</b> 00 = 0 KW    06 = 6 KW 03 = 3 KW    08 = 8 KW 05 = 5 KW    10 = 10 KW
	M = MEDIUM CABINET (33/34/38) S = SMALL CABINET (21/22/28/29)		

## ACCESS DOOR

### VERSATILITY

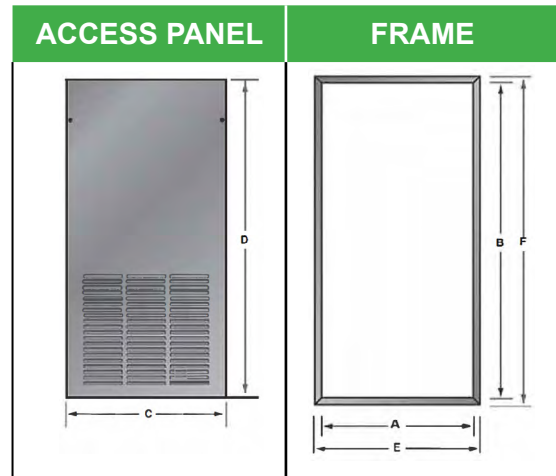
Equipped with hidden frame feature. Fastens to the outside wall surface and does not have to perfectly match the hole opening. Frame screws are not visible after installation. Available in either solid (S) or louvered (L) style.

### MATERIALS

Galvanized steel construction with smooth powder paint finish.

### FILTER

20" x 20" x 1" field supplied.



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

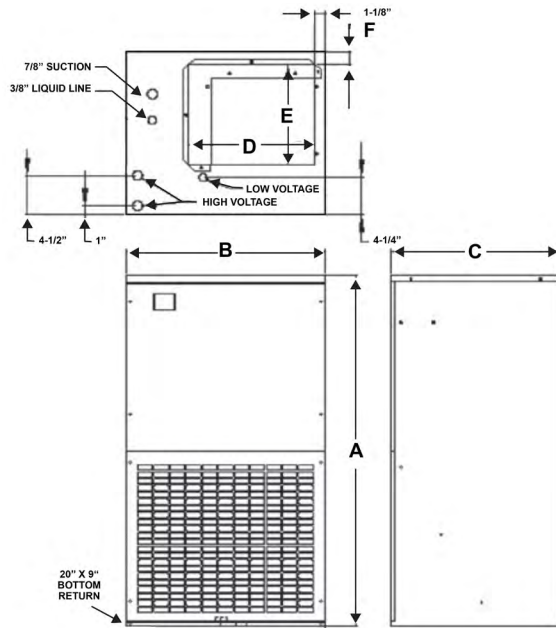
ACCESS DOOR DIMENSIONS (In.)									
PANEL MODEL	FOR USE WITH	FINISH	OPENING SIZE		PANEL SIZE		FRAME SIZE		FILTERS (QTY)
			A	B	C	D	E	F	
WAD-7(S/L)	PEW 22/28/29	Embossed	22-1/4	39-1/2	24-1/4	41-1/2	24-1/8	41-3/8	1
WAD-8(S/L)	PEW 33/34/38	Embossed	22-1/4	42-1/2	24-1/4	44-1/2	24-1/8	44-3/8	
WAD-18(S/L)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

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. AP-PEW-Spec-2025-03

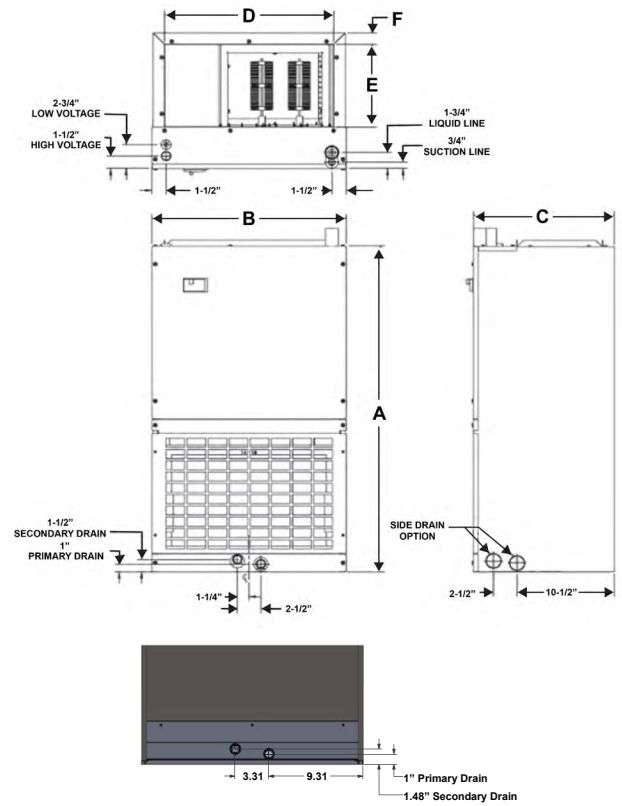


**FIGURE 1**

**PEW 22/28/32/33/34/38**



**PEW 21/27/29/35**



CHASSIS DIMENSIONS (In.) - FIGURE 1									
MODEL	A	B	C	D	E	F	FILTER SIZE	SHIP WEIGHT (LBS)	SKID QTY
PEW 21	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	80	4
PEW 22/28/29	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	18X20	90	
PEW 33/34	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1-3/8 [35]	20X20	102	
PEW 38	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1-3/8 [35]	20X20	102	

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. AP-PEW-Spec-2025-03