

PAW SERIES

ELECTRIC VERTICAL WALL MOUNT AIR 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 PSC MOTOR

The 240V PSC Motor with Electric Heat Option features a direct drive, multi-speed blower that delivers quiet and efficient air circulation. A two-speed motor allows for precise airflow selection, while clearly labeled motor terminals make speed adjustments simple and accurate. The plate-mounted blower assembly enables quick removal for easy service and maintenance. Built for reliability and consistent performance, this motor option is ideal for electric heat applications.

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. Fan time delay relay standard for increased efficiency.

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. Coil mounted Schrader allows pre-installation pressure testing.

Available with either check style flowrator or TXV metering device. Field-installable TXVs are also available. Powder coated metal drain pan holds minimal condensate while eliminating the possibility of corrosion. Drain pans with bottom primary and secondary drain connections or alternate right-side primary. All connections 3/4" FPT. 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.

WARRANTY Ten-year limited parts warranty with registration. **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.

PAW-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
PAW 21	18,000	F(C,T)S00	-	0.0	0.0	1.4	1.4	1.8	1.8	15A	15A
		F(C,T)S03	LO	2.3	3.0	12.2	13.9	15.3	17.4	20A	20A
		F(C,T)S05	LO	3.6	4.8	18.7	21.4	23.4	26.8	25A	30A
		F(C,T)S06	HI	4.5	6.0	23.0	26.4	28.8	33.0	30A	35A
		F(C,T)S08	HI	6.0	8.0	30.2	34.7	37.8	43.4	40A	45A
		F(C,T)S10	HI	7.2	9.6	36.0	41.4	45.0	51.8	45A	60A
PAW 22	24,000	F(C,T)S00	-	0.0	0.0	1.4	1.4	1.8	1.8	15A	15A
		F(C,T)S03	LO	2.3	3.0	12.2	13.9	15.3	17.4	20A	20A
		F(C,T)S05	LO	3.6	4.8	18.7	21.4	23.4	26.8	25A	30A
		F(C,T)S06	HI	4.5	6.0	23.0	26.4	28.8	33.0	30A	35A
		F(C,T)S08	HI	6.0	8.0	30.2	34.7	37.8	43.4	40A	45A
		F(C,T)S10	HI	7.2	9.6	36.0	41.4	45.0	51.8	45A	60A
PAW 27/28	24,000	F(C,T)S00	-	0.0	0.0	1.4	1.4	1.8	1.8	15A	15A
		F(C,T)S03	LO	2.3	3.0	12.2	13.9	15.3	17.4	20A	20A
		F(C,T)S05	LO	3.6	4.8	18.7	21.4	23.4	26.8	25A	30A
		F(C,T)S06	HI	4.5	6.0	23.0	26.4	28.8	33.0	30A	35A
		F(C,T)S08	HI	6.0	8.0	30.2	34.7	37.8	43.4	40A	45A
		F(C,T)S10	HI	7.2	9.6	36.0	41.4	45.0	51.8	45A	60A
PAW 29	30,000	F(C,T)M00	-	0.0	0.0	2.6	2.6	3.3	3.3	15A	15A
		F(C,T)M03	LO	2.3	3.0	13.4	15.1	16.8	18.9	20A	20A
		F(C,T)M05	LO	3.0	4.8	19.9	22.6	24.9	28.3	25A	30A
		F(C,T)M06	HI	4.5	6.0	24.2	27.6	30.3	34.5	35A	35A
		F(C,T)M08	HI	6.0	8.0	31.4	35.9	39.3	44.9	40A	45A
		F(C,T)M10	HI	7.2	9.6	37.2	42.6	46.5	53.3	50A	60A
PAW 32/33/34	30,000	F(C,T)M00	-	0.0	0.0	2.6	2.6	3.3	3.3	15A	15A
		F(C,T)M03	LO	2.3	3.0	13.4	15.1	16.8	18.9	20A	20A
		F(C,T)M05	LO	3.0	4.8	19.9	22.6	24.9	28.3	25A	30A
		F(C,T)M06	LO	4.5	6.0	24.2	27.6	30.3	34.5	35A	35A
		F(C,T)M08	LO	6.0	8.0	31.4	35.9	39.3	44.9	40A	45A
		F(C,T)M10	LO	7.2	9.6	37.2	42.6	46.5	53.3	50A	60A
PAW 35	30,000	F(C,T)M00	-	0.0	0.0	2.6	2.6	3.3	3.3	15A	15A
		F(C,T)M03	LO	2.3	3.0	13.4	15.1	16.8	18.9	20A	20A
		F(C,T)M05	LO	3.0	4.8	19.9	22.6	24.9	28.3	25A	30A
		F(C,T)M06	HI	4.5	6.0	24.2	27.6	30.3	34.5	35A	35A
		F(C,T)M08	HI	6.0	8.0	31.4	35.9	39.3	44.9	40A	45A
		F(C,T)M10	HI	7.2	9.6	37.2	42.6	46.5	53.3	50A	60A
PAW 38	36,000	F(C,T)M00	-	0.0	0.0	2.6	2.6	3.3	3.3	15A	15A
		F(C,T)M03	LO	2.3	3.0	13.4	15.1	16.8	18.9	20A	20A
		F(C,T)M05	LO	3.0	4.8	19.9	22.6	24.9	28.3	25A	30A
		F(C,T)M06	HI	4.5	6.0	24.2	27.6	30.3	34.5	35A	35A
		F(C,T)M08	HI	6.0	8.0	31.4	35.9	39.3	44.9	40A	45A
		F(C,T)M10	HI	7.2	9.6	37.2	42.6	46.5	53.3	50A	60A

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PAW BLOWER DATA								
MODEL	SPEED TAP	240V PSC MOTOR		CFM VS EXTERNAL STATIC (DRY COIL)				
		HP	FLA	0.1	0.2	0.3	0.4	0.5
PAW 21	LOW	1/5	1.4	840	795	750	690	620
	HIGH	1/5	1.4	930	890	825	750	680
PAW 22	LOW	1/5	1.4	730	695	675	640	600
	HIGH	1/5	1.4	910	850	800	750	695
PAW 27	LOW	1/5	1.4	840	795	750	690	620
	HIGH	1/5	1.4	930	890	825	750	680
PAW 28	LOW	1/5	1.4	730	695	675	640	600
	HIGH	1/5	1.4	910	850	800	750	695
PAW 29	LOW	1/3	2.6	740	675	650	630	600
	HIGH	1/3	2.6	930	850	815	770	725
PAW 32	LOW	1/3	2.6	740	675	650	630	600
	HIGH	1/3	2.6	930	850	815	770	725
PAW 33	LOW	1/3	2.6	740	675	650	630	600
	HIGH	1/3	2.6	930	850	815	770	725
PAW 34	LOW	1/3	2.6	1125	1075	1050	1030	1000
	HIGH	1/3	2.6	1375	1275	1250	1200	1175
PAW 35	LOW	1/3	2.6	1150	1075	1050	980	900
	HIGH	1/3	2.6	1250	1185	1100	1050	980
PAW 38	LOW	1/3	2.6	1125	1075	1050	1030	1000
	HIGH	1/3	2.6	1375	1275	1250	1200	1175

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.

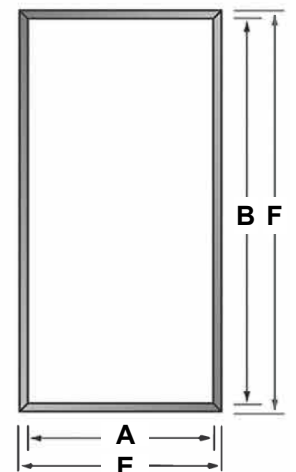
CABINET INSTALLATION CLEARANCES (In.)

CLEARANCE AREA	OPERATION	SERVICE
TOP	0	0
FRONT	0	30
SIDES	0	0
REAR	0	0

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)	PAW22/28	Embossed	22-5/8	39-7/8	24-1/4	41-1/2	24-1/8	41-3/8	1
WAD-8(S/L)	PAW32/33/34/38	Embossed	22-5/8	42-7/8	24-1/4	44-1/2	24-1/8	44-3/8	
WAD-18(S/L)	PAW22/28	Smooth	22-5/8	39-7/8	24-1/4	41-1/2	24-1/8	41-3/8	
WAD-19(S/L)	PAW32/33/34/38	Smooth	22-5/8	42-7/8	24-1/4	44-1/2	24-1/8	44-3/8	
WAD-20(S/L)	PAW21/27	Embossed	21-1/8	38-3/8	22-3/4	40	22-5/8	39-7/8	
WAD-21(S/L)	PAW29/35	Embossed	24-5/8	38-3/8	26-1/4	40	26-1/8	39-7/8	
WAD-22(S/L)	PAW21/27	Smooth	21-1/8	38-3/8	22-3/4	40	22-5/8	39-7/8	
WAD-23(S/L)	PAW29/35	Smooth	24-5/8	38-3/8	26-1/4	40	26-1/8	39-7/8	

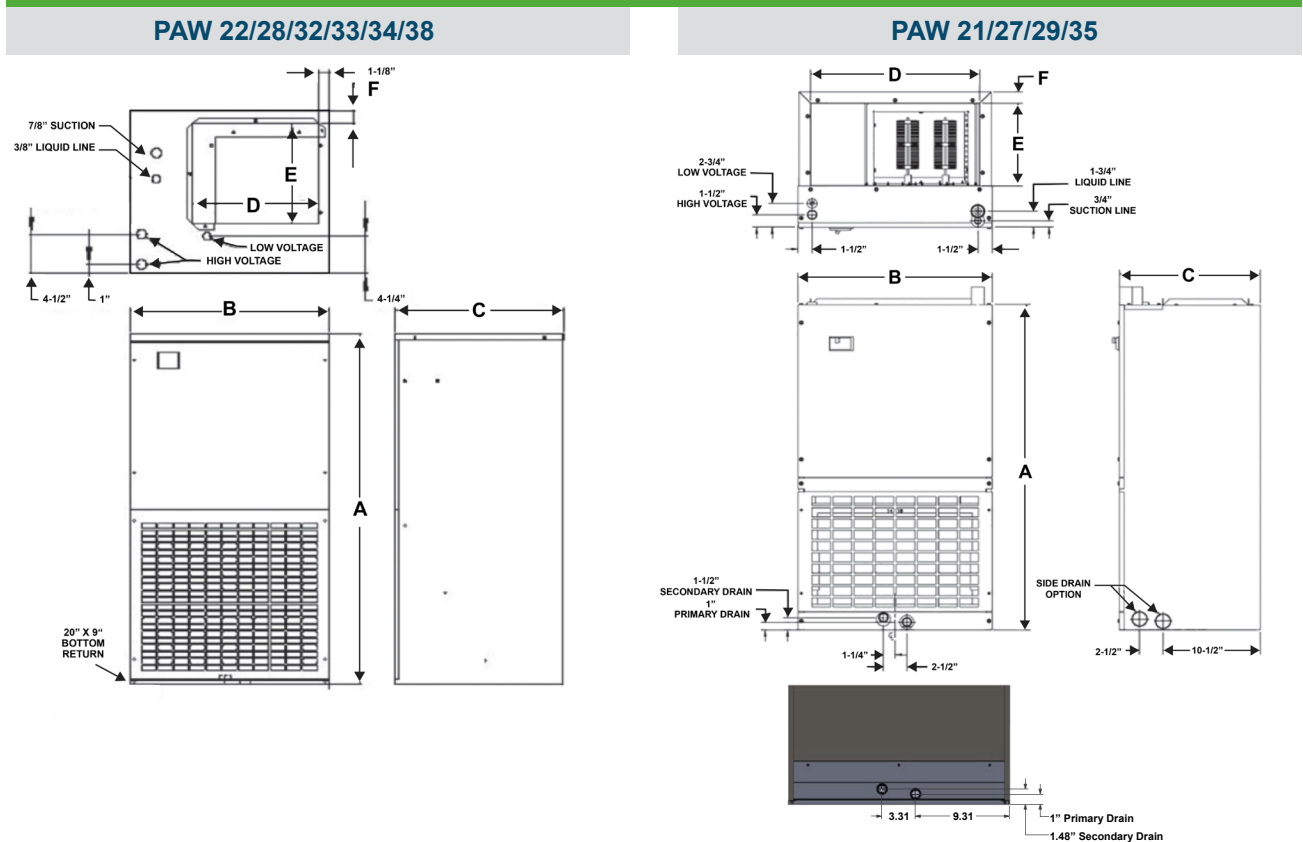
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ELECTRIC HEAT NOMENCLATURE			
HEAT KIT SERIES	POWER CONNECTION	CABINET SIZE & NOM. TON.	HEAT STRIP
F	C	S	10
ELECTRIC HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK	S = 21/22/27/28 M = 29/32/33/34/35/38	00 = 0 KW 06 = 6 KW 03 = 3 KW 08 = 8 KW 05 = 5 KW 10 = 10 KW

AIR HANDLER CHASSIS NOMENCLATURE			
PAW	NOM. TONNAGE	METERING DEVICE	OPTION CODE
	MBTUH	4	-000
240V (PSC)	21 32 22 33 27 34 28 35 29 38	A1 REFRIGERANTS - R410A + R22	CUSTOM OPTIONS
		4 = R410A (TXV NON-BLEED AC or HP) X = R22 (TXV NON-BLEED AC or HP)	
		G = R410A (FLOWRATOR) B = R22 (TXV 20% BLEED AC or HP)	
		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)	
		N = R454B (PISTON) Z = R454B/R32 CONFIGURABLE (Shipped w/ R454B piston)	

FIGURE 1



CHASSIS DIMENSIONS (In.)[mm.] - FIGURE 1									
MODEL	A	B	C	D	E	F	FILTER	SHIPPING INFO	
								WEIGHT	SKID QTY
PAW21	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	80	4
PAW22/28	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	18X20	90	
PAW27	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	80	
PAW32/33/34	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1-3/8 [35]	20X20	102	
PAW29/35	36 [915]	24 [610]	21 [533]	21-1/2 [546]	12 [305]	1-1/4 [32]	14X18	90	
PAW38	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1-3/8 [35]	20X20	102	

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