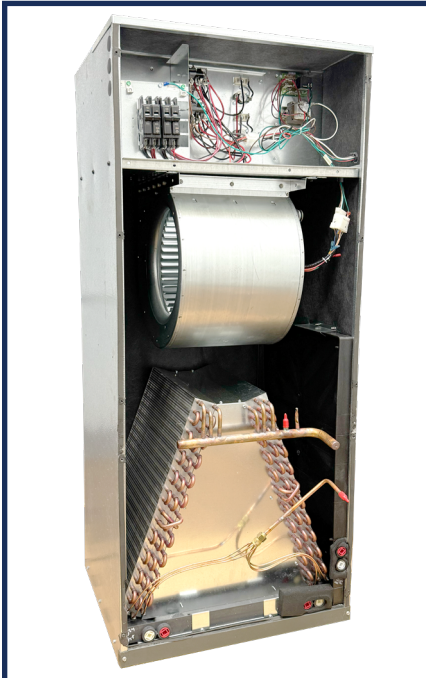


AAM SERIES ELECTRIC HEAT AIR HANDLER

MULTI-POSITION



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

APPLICATION VERSATILITY

Upflow or horizontal right as shipped (field-convertible for downflow or horizontal left applications). 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 R410A. ETL listed for R454B and R32 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 blowers circulate air quietly and efficiently. Blowers mounted on rails so they can be easily removed for service.

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

Sturdy, fully insulated galvanized steel cabinet; 1/2" insulation. Unit ships with disposable filter. Less than 2% 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.

Available with either orifice or TXV metering device. Field-installable bolt-on TXVs are also available. Heavy duty plastic drain pans on most models, powder coated galvanized steel horizontal drain pans standard on all. Optional galvanized metal drain pan with bottom primary and secondary drain connections or alternate right side primary option available. Fully insulated cabinets with faced insulation. Split access doors in front of cabinet for easy service access.

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.

WARRANTY Ten-year limited parts warranty with registration. **OPTIONS** Ask your local Aspen Sales Rep for options.

CUSTOMIZATION OPTIONS***UNIVERSAL A2L REFRIGERANT TECHNOLOGY FOR R32 & R454B SYSTEMS****IDEAL FOR USE WITH ASPEN AIR HANDLERS, AS WELL AS CASED & UNCASD COILS!**

Versa Pro coils are easily configurable for use with either R32 or R454B refrigerant with proper metering device. Utilizing universal Refrigerant Detection Systems (RDS) to ensure regulatory compliance.

OTHER POPULAR CUSTOM OPTIONS:

- Refrigerant Detection System (RDS) kit factory-installed.
- Factory or field-installed TXV available.

DOWNFLOW KIT OPTIONS:**METAL DRAIN PANS**

- 16" DWNFLWM-16
- 18" DWNFLWM-18

PLASTIC DRAIN PANS

- DWNFLWP

AAM-SS-AH-007-A1



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HEATING/COOLING PERFORMANCE & ELECTRICAL DATA													
MODEL	PERFORMANCE DATA									ELECTRICAL DATA			
	NOM. COOLING	ELECTRIC HEAT KIT MODEL	MIN. SPEED TAP	HEATING		TOT. AMPS		HEATING CAPACITY		MIN. CIRCUIT AMPACITY		MAX. BREAKER OR FUSE SIZE	
				KW		A		MBTUH		MCA			
	BTU			208V	240V	208V	240V	208V	240V	208V	240V	208V	240V
AAM 18/19/ 24/25	18,000- 24,000	E(C,T)S00	-	0.0	0.0	1.4	1.4	0.0	0.0	1.8	1.8	15A	15A
		E(C,T)S03	LOW	2.3	3.0	12.2	13.9	7.8	10.2	15.3	17.4	20A	20A
		E(C,T)S05	LOW	3.6	4.8	18.7	21.4	12.3	16.4	23.4	26.8	25A	30A
		E(C,T)S06	LOW	4.5	6.0	23.0	26.4	15.4	20.5	28.8	33.0	30A	35A
		E(C,T)S08	HIGH	6.0	8.0	30.2	34.7	20.5	27.3	37.8	43.4	40A	45A
		E(C,T)S10	HIGH	7.2	9.6	36.0	41.4	24.6	32.8	45.0	51.8	45A	60A
AAM 30/31/ 36/37	30,000- 36,000	E(C,T)M00	-	0.0	0.0	2.6	2.6	0.0	0.0	3.3	3.3	15A	15A
		E(C,T)M03	HIGH	2.3	3.0	13.4	15.1	7.8	10.2	16.8	18.9	20A	20A
		E(C,T)M05	HIGH	3.6	4.8	19.9	22.6	12.3	16.4	24.9	28.3	25A	30A
		E(C,T)M06	HIGH	4.5	6.0	24.2	27.6	15.4	20.5	30.3	34.5	35A	35A
		E(C,T)M08	HIGH	6.0	8.0	31.4	35.9	20.5	27.3	39.3	44.9	40A	45A
		E(C,T)M10	HIGH	7.2	9.6	37.2	42.6	24.6	32.8	46.5	53.3	50A	60A
		E(C,T)M15	HIGH	7.2/ 3.6	9.6/ 4.8	37.2/ 17.3	42.6/ 20.0	36.8	49.1	46.5/ 21.6	53.3/ 25.0	50A/ 25A	60A/ 25A
AAM 42/43/ 48/49 60/61/ 62	42,000- 60,000	E(C,T)L00	-	0.0	0.0	4.4	4.4	0.0	0.0	5.5	5.5	15A	15A
		E(C,T)L03	LOW	2.3	3.0	15.2	16.9	7.8	10.2	19.0	21.1	20A	25A
		E(C,T)L05	LOW	3.6	4.8	21.7	24.4	12.3	16.4	27.1	30.5	30A	35A
		E(C,T)L06	LOW	4.5	6.0	26.0	29.4	15.4	20.5	32.5	36.8	35A	40A
		E(C,T)L08	LOW	6.0	8.0	33.2	37.7	20.5	27.3	41.6	47.2	45A	50A
		E(C,T)L10	LOW	7.2	9.6	39.0	44.4	24.6	32.8	48.8	55.5	50A	60A
		E(C,T)L15	LOW	7.2/ 3.6	9.6/ 4.8	39.0/ 17.3	44.4/ 20.0	36.8	49.1	48.8/ 21.6	55.5/ 25	50A/ 25A	60A/ 25A
		E(C,T)L20	LOW	7.2/ 7.2	9.6/ 9.6	39.0/ 34.6	44.4/ 40.0	49.1	65.5	48.8/ 43.3	55.5/ 50.0	50A/ 45A	60A/ 50A
		E(C,T)L25	LOW	7.2/ 7.2	9.6/ 9.6	39.0/ 34.6	44.4/ 40.0	61.4	81.9	48.8/ 43.3	55.5/ 50.0	50A/ 45A	60A/ 50A

BLOWER DATA								
MODEL	240V PSC MOTOR			CFM VS EXTERNAL STATIC (WET COIL)				
	SPEED	HP	AMPS	0.1	0.2	0.3	0.4	0.5
AAM 18/19/24/25	LOW	1/5	1.4	835	800	790	750	695
	HIGH	1/5	1.4	915	880	875	825	770
AAM 30/31/36/37	LOW	1/3	2.6	1130	1100	1050	1000	960
	HIGH	1/3	2.6	1410	1350	1280	1200	1160
AAM 42/43/48/49/ 60/61/62	LOW	3/4	4.4	1520	1500	1485	1460	1440
	MID	3/4	4.4	1700	1675	1640	1620	1575
	HIGH	3/4	4.4	2060	2020	1980	1935	1885

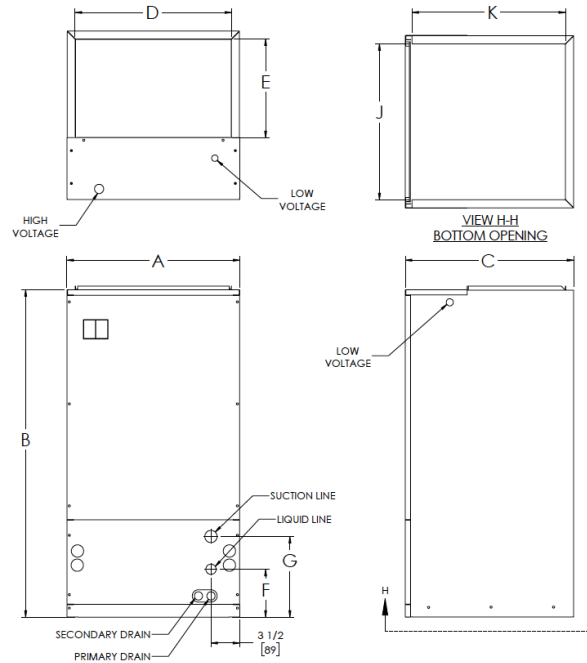
ELECTRIC HEAT KIT NOMENCLATURE			
HEAT KIT SERIES	POWER CONNECTION	CABINET SIZE & NOM. TON.	HEAT STRIP
E	C	S/M/L	03
ELECTRIC HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK	S (SMALL) 18-25 M (MEDIUM) 30-17 L (LARGE) 42-62	03 = 3 KW 05 = 5 KW 06 = 6 KW 08 = 8 KW 10 = 10 KW 15 = 15 KW 20 = 20 KW 25 = 25 KW

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AIR HANDLER CHASSIS NOMENCLATURE			
AAM	NOM. TON.	METERING DEVICE	OPTION CODE
	MBTUH	4	-001
240V PSC MOTOR MULTI-POSITION AIR HANDLER	18 = 18,000 24 = 24,000 30 = 30,000 36 = 36,000 42 = 42,000 60 = 60,000	A1 REFRIGERANTS - R410A + R22	CUSTOMIZATION 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 R454B Piston)	

FIGURE 1



AAM DIMENSIONS (In.)[mm.] - FIGURE 1												
MODEL	A	B	C	D	E	F	G	J	K	FILTER SIZE	SHIPPING INFO.	
											WEIGHT	QTY
AAM 18	21 [533]	40 [1016]	20-1/2 [521]	18-3/4 [476]	12 [305]	7-1/4 [184]	10-1/4 [260]	18-1/2 [470]	18-1/2 [470]	16X20	99	4
AAM 19/24/25	21 [533]	40 [1016]		18-3/4 [476]	12 [305]	8-1/4 [209]	12-1/4 [311]	18-1/2 [470]		16X20	100	
AAM 30	21 [533]	49-1/4 [1251]		18-3/4 [476]	12 [305]	8-1/4 [209]	14-1/4 [362]	18-1/2 [470]		16X20	118	
AAM 36	21 [533]	49-1/4 [1251]		18-3/4 [476]	12 [305]	10-1/4 [260]	16-1/4 [412]	18-1/2 [470]		16X20	118	
AAM 31/37	21 [533]	49-1/4 [1251]		18-3/4 [476]	12 [305]	10-1/4 [260]	16-1/4 [412]	18-1/2 [470]		16X20	147	
AAM 42	24-1/2 [622]	57 [1448]		22-1/4 [565]	14-3/4 [375]	11 [279]	16 [406]	22 [559]		20X20	153	
AAM 48	24-1/2 [622]	57 [1448]		22-1/4 [565]	14-3/4 [375]	13 [330]	18 [457]	22 [559]		20X20	180	
AAM 43/49/60/62	24-1/2 [622]	57 [1448]		22-1/4 [565]	14-3/4 [375]	13 [330]	18 [457]	22 [559]		20X20	180	
AAM 61	24-1/2 [622]	57 [1448]		22-1/4 [565]	14-3/4 [375]	15 [381]	20 [508]	22 [559]		20X20	200	

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