

# AAM SERIES

## HIGH EFFICIENCY MULTI-POSITION HYDRONIC HEAT

### FEATURES, BENEFITS, DIMENSIONS, & SPECIFICATIONS



Unit shown with service panels removed. Representative image only. Some models may vary in appearance. Due to continuous product improvement, specifications are subject to change without notice.

#### APPLICATION VERSATILITY

Upflow or horizontal right as shipped (field-convertible for down-flow or horizontal left applications). 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.

#### 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.

#### 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.

#### 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.

#### DX COIL

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 orifice or TXV metering device. Field-installable bolt-on TXVs are also available. Rugged GLP drain pan holds minimal condensate while eliminating the possibility of corrosion. Drain pan is UV safe. 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.

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

**OPTIONS** See options menu.



### WANT MORE INFORMATION ON ASPEN'S AAM SERIES 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.*

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HEATING/COOLING PERFORMANCE & ELECTRICAL DATA													
MODEL	PERFORMANCE DATA									ELECTRICAL DATA			
	NOM. COOL. (BTU)	HYDRONIC HEAT KIT	MIN. SPEED TAP	HEATING (KW)		TOT. AMPS (A)		HEATING CAPACITY (MBTUH)		MIN. CIRCUIT AMPACITY (MCA2)		MAX. BREAKER OR FUSE SIZE (MEU2)	
				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	7.2/7.2/3.6	9.6/9.6/4.8	39.0/34.6/17.3	44.4/40.0/20.0	61.4	81.9	48.8/43.3/21.6	55.5/50.0/25.0	50A/45A/25A	60A/50A/25A

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BLOWER DATA									
MODEL	PSC MOTOR				CFM VS EXTERNAL STATIC (WET COIL)				
	SPEED	HP	AMPS	VOLT	0.1	0.2	0.3	0.4	0.5
AAM 18/19/ 24/25	LOW	1/5	1.4	240	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

AIR HANDLER CHASSIS NOMENCLATURE			
AAM	NOM. TON.	METERING DEVICE	OPTION CODE
	18	4	-001
240V PSC MOTOR MULTI-POSITION AIR HANDLER	<b>18</b> = 18,000 <b>24</b> = 24,000 <b>30</b> = 30,000 <b>36</b> = 36,000 <b>42</b> = 42,000 <b>60</b> = 60,000 (MBTUH)	<b>A1</b> <b>4</b> = R410A (TXV NON-BLEED A/C or H/P) <b>X</b> = R22 (TXV NON-BLEED A/C or H/P) <b>B</b> = R22 (TXV 20% BLEED A/C or H/P) <b>F</b> = R22 (PISTON) <b>G</b> = R410A (PISTON)	OPTION CODE
		<b>A2L</b> <b>J</b> = R454B (TXV NON-BLEED A/C or H/P) <b>K</b> = R454B (TXV 20% BLEED A/C or H/P) <b>D</b> = R32 (TXV NON-BLEED A/C or H/P) <b>M</b> = R32 (PISTON) <b>N</b> = R454B (PISTON)	

ELECTRIC HEAT NOMENCLATURE			
HEAT KIT SERIES	POWER CONNECTION	CABINET SIZE & NOM. TON.	HEAT STRIP
E	C	S/L	03
ELECTRIC HEAT	<b>C</b> = CIRCUIT BREAKER <b>T</b> = TERMINAL BLOCK	<b>S (SMALL)</b> 18-37  <b>L (LARGE)</b> 42-63	<b>03</b> = 3 KW <b>10</b> = 10 KW <b>05</b> = 5 KW <b>15</b> = 15 KW <b>06</b> = 6 KW <b>20</b> = 20 KW <b>08</b> = 8 KW <b>25</b> = 25 KW

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## AAM DIMENSIONS (In.) - FIGURE 1

MODEL	A	B	C	D	E	F	G	J	K	FILTER	PISTON	SHIPPING INFO.	
												WEIGHT	QTY
AAM 18+E*	24-1/2 [622]	57 [1448]	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	0.055	99	4
AAM 19/24/ 25+E*	21 [533]	40 [1016]		18-3/4 [476]	12 [305]	8-1/4 [209]	12-1/4 [311]	18-1/2 [470]		16X20	0.059	100	
AAM 30+E*	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	0.068	118	
AAM 36+E*	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	0.068	118	
AAM 31/37+E*	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	0.074	147	
AAM 42+E*	24-1/2 [622]	57 [1448]		22-1/4 [565]	14-3/4 [375]	11 [279]	16 [406]	22 [559]		20X20	0.080	153	
AAM 48+E*	24-1/2 [622]	57 [1448]		22-1/4 [565]	14-3/4 [375]	13 [330]	18 [457]	22 [559]		20X20	0.084	180	
AAM 43/49/ 60/62+E*	24-1/2 [622]	57 [1448]		22-1/4 [565]	14-3/4 [375]	13 [330]	18 [457]	22 [559]		20X20	0.084	180	
AAM 61+E*	24-1/2 [622]	57 [1448]		22-1/4 [565]	14-3/4 [375]	15 [381]	20 [508]	22 [559]		20X20	0.092	200	

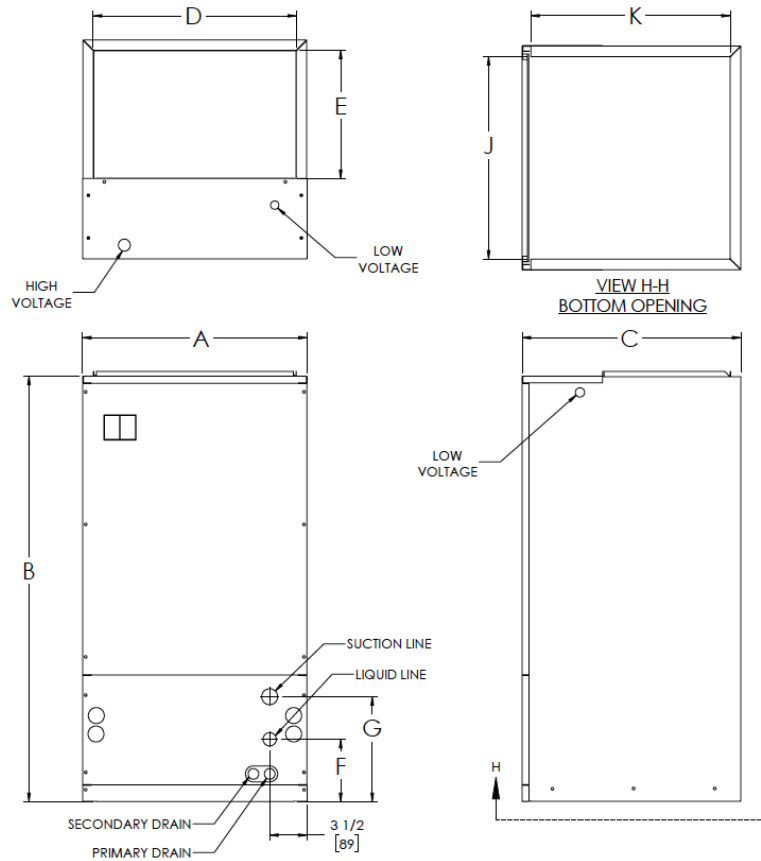
**FIGURE 1**

**SUCTION LINE:**

1.5T to 3.0T = 3/4"

3.5T to 5.0T = 7/8"

**LIQUID LINE:** 3/8"



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