



## PRODUCT DIMENSIONS & SPECIFICATIONS

### AAM SERIES MULTI-POSITION ELECTRIC HEAT AIR HANDLERS



Representative image only. Some models may vary in appearance. Due to continuous product improvement, specifications are subject to change without notice.

#### STANDARD FEATURES

##### 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 either R22 or R410a when a proper metering device is used.

##### 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.

##### MODULAR HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available from 3 to 30 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.

##### 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.

##### BLOWER

Direct drive multi-speed blowers circulate air quietly and efficiently. 3-speed motors allow for precise air volume selection. Motor speeds can be easily selected via motor terminals. Blowers mounted on rails so they can be easily removed for service.

##### DX 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 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" FPT. Access door allows for coil cleaning.

##### WARRANTY

Ten-year limited parts warranty.

##### OPTIONS

See options menu.

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\* For complete warranty details visit [www.aspenmfg.com](http://www.aspenmfg.com).

Revised 04/05/21. In keeping with its policy of continuous progress and product improvement, Aspen reserves the right to make changes without notice and incurring obligation. © 2021

## HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

MODEL	HEAT KIT	HEATING CAPACITY (MBTUH)		MINIMUM CIRCUIT AMPACITY (MCA)		MAX BREAKER OR FUSE SIZE	
		208V	240V	208V	240V	208V	240V
		AAM 18/19+	E(C,T)S00	0.0	0.0	2.3	2.3
E(C,T)S03	7.8		10.2	15.8	17.9	20	20
E(C,T)S05	13.0		17.1	23.9	27.3	25	30
E(C,T)S06	15.4		20.5	29.3	33.5	30	35
E(C,T)S08	20.8		27.3	38.3	43.9	40	45
E(C,T)S10	25.9		34.1	45.5	52.3	50	60
AAM 24/25 +	E(C,T)S00	0.0	0.0	2.3	2.3	15	15
	E(C,T)S03	7.8	10.2	15.8	17.9	20	20
	E(C,T)S05	13.0	17.1	23.9	27.3	25	30
	E(C,T)S06	15.4	20.5	29.3	33.5	30	35
	E(C,T)S08	20.8	27.3	38.3	43.9	40	45
	E(C,T)S10	25.9	34.1	45.5	52.3	50	60
AAM 30/31 +	E(C,T)S00	0.0	0.0	3.3	3.3	15	15
	E(C,T)S03	7.8	10.2	16.8	18.9	20	20
	E(C,T)S05	13.0	17.1	24.9	28.3	25	30
	E(C,T)S06	15.4	20.5	30.3	34.5	35	35
	E(C,T)S08	20.8	27.3	39.3	44.9	40	45
	E(C,T)S10	25.9	34.1	46.5	53.3	50	60
	E(C,T)S15	38.6	51.2	46.5/21.6	53.3/25	50/25	60/25
AAM 36/37 +	E(C,T)S00	0.0	0.0	3.3	3.3	15	15
	E(C,T)S03	7.8	10.2	16.8	18.9	20	20
	E(C,T)S05	13.0	17.1	24.9	28.3	25	30
	E(C,T)S06	15.4	20.5	30.3	34.5	35	35
	E(C,T)S08	20.8	27.3	39.3	44.9	40	45
	E(C,T)S10	25.9	34.1	46.5	53.3	50	60
	E(C,T)S15	38.6	51.2	46.5/21.6	53.3/25	50/25	60/25
AAM 42/43 +	E(C,T)L00	0.0	0.0	5.5	5.5	15	15
	E(C,T)L03	7.8	10.2	19.0	21.1	25	25
	E(C,T)L05	13.0	17.1	27.1	30.5	30	35
	E(C,T)L06	15.4	20.5	32.5	36.8	35	40
	E(C,T)L08	20.8	27.3	41.6	47.2	45	50
	E(C,T)L10	25.9	34.1	48.8	55.5	50	60
	E(C,T)L15	38.6	51.2	48.8/21.6	55.5/25	50/25	60/25
	E(C,T)L20	51.2	95.6	48.8/43.3	55.5/50	50/45	60/50
	E(C,T)L25	64.2	85.3	48.8/43.3/21.6	55.5/50/25	50/45/25	60/50/25
	E(C,T)L30	76.8	102.4	48.8/43.3/43.3	55.5/50/50	50/45/45	60/50/50
AAM 48/49 +	E(C,T)L00	0.0	0.0	5.5	5.5	15	15
	E(C,T)L03	7.8	10.2	19.0	21.1	25	25
	E(C,T)L05	13.0	17.1	27.1	30.5	30	35
	E(C,T)L06	15.4	20.5	32.5	36.8	35	40
	E(C,T)L08	20.8	27.3	41.6	47.2	45	50
	E(C,T)L10	25.9	34.1	48.8	55.5	50	60
	E(C,T)L15	38.6	51.2	48.8/21.6	55.5/25	50/25	60/25
	E(C,T)L20	51.2	95.6	48.8/43.3	55.5/50	50/45	60/50
	E(C,T)L25	64.2	85.3	48.8/43.3/21.6	55.5/50/25	50/45/25	60/50/25
	E(C,T)L30	76.8	102.4	48.8/43.3/43.3	55.5/50/50	50/45/45	60/50/50
AAM 60/61/62 +	E(C,T)L00	0.0	0.0	5.5	5.5	15	15
	E(C,T)L03	7.8	10.2	19.0	21.1	25	25
	E(C,T)L05	13.0	17.1	27.1	30.5	30	35
	E(C,T)L06	15.4	20.5	32.5	36.8	35	40
	E(C,T)L08	20.8	27.3	41.6	47.2	45	50
	E(C,T)L10	25.9	34.1	48.8	55.5	50	60
	E(C,T)L15	38.6	51.2	48.8/21.6	55.5/25	50/25	60/25
	E(C,T)L20	51.2	95.6	48.8/43.3	55.5/50	50/45	60/50
	E(C,T)L25	64.2	85.3	48.8/43.3/21.6	55.5/50/25	50/45/25	60/50/25
	E(C,T)L30	76.8	102.4	48.8/43.3/43.3	55.5/50/50	50/45/45	60/50/50

## 208/240V – 3 PHASE CIRCUIT BREAKER

MODEL	PERFORMANCE DATA					ELECTRICAL DATA			
	NOMINAL COOLING (BTUS)	HEATING (KW)		HEATING CAPACITY (MBTUH)		MINIMUM CIRCUIT AMPACITY (MCA)		MAX BREAKER OR FUSE SIZE	
		208V	240V	208V	240V	208V	240V	208V	240V
AAM42-61+E312	42,000 48,000 60,000	9.0	12.0	30.7	40.9	36.0	42.0	40.0	50.0
AAM42-61+E315		11.3	15.0	38.4	51.2	44.0	50.0	50.0	50.0
AAM42-61+E324		18.0	24.0	61.4	81.9	55	50/45	60	50/40
AAM42-61+E330		22.5	30.0	76.8	102.4	44/39	50/45	50/40	50/50

## BLOWER DATA

MODEL	MOTOR SPEED	MOTOR HP	MOTOR AMPS	MOTOR VOLTAGE	CFM V. EXTERNAL STATIC *				
					0.10	0.20	0.30	0.40	0.50
AAM 18/19/24/25	LOW	1/5	1.8	240	835	800	790	750	695
	HIGH				915	880	875	825	770
AAM 30/31/36/37	LOW	1/3	2.6	240	1130	1100	1050	1000	960
	HIGH				1410	1350	1280	1200	1160
AAM 42/43/48/49/60/61/62	LOW	3/4	4.4	240	1520	1500	1485	1460	1440
	MID				1700	1675	1640	1620	1575
	HIGH				2060	2020	1980	1935	1885

\*Wet Coil

## AIR HANDLER CHASSIS NOMENCLATURE

AAM	18	F	-001
AAM = 240V PSC Motor Multi-Position Air Handler	Nominal tonnage (MBTUH)	<u>Metering device</u> 4 = non-bleed A/C or H/P R410 TXV B = 20% bleed A/C or H/P R22 TXV F = R22 Flo-rater G = R410a Flo-rater X = non-bleed A/C or H/P R22 TXV	Option Code

## ELECTRIC HEAT KIT NOMENCLATURE

E	C	S	03
Electric Heat	<u>Interruption</u> C = Circuit Breaker T = Terminal Block P = Single Point Hookup	S = 18-37 L = 42-62	<u>Heat Strip</u> 03 = 3 KW 05 = 5 KW 06 = 6 KW 08 = 8 KW 10 = 10 KW 15 = 15 KW 20 = 20 KW 25 = 25 KW 30 = 30 KW

## DIMENSIONS AND SPECIFICATIONS (In. [mm]) - Figure 1

MODEL	A	B	C	D	E	F	G	J	K	FILTER SIZE	PISTON SIZE	SHIP WEIGHT (LBS)	SKID QTY
AAM18+E*	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	0.055	99	4
AAM19/24/25+E*	21 [533]	40 [1016]	20-1/2 [521]	18-3/4 [476]	12 [305]	8-1/4 [209]	12-1/4 [311]	18-1/2 [470]	18-1/2 [470]	16X20	0.059	100	4
AAM30+E*	21 [533]	49-1/4 [1251]	20-1/2 [521]	18-3/4 [476]	12 [305]	8-1/4 [209]	14-1/4 [362]	18-1/2 [470]	18-1/2 [470]	16X20	0.068	118	4
AAM36+E*	21 [533]	49-1/4 [1251]	20-1/2 [521]	18-3/4 [476]	12 [305]	10-1/4 [260]	16-1/4 [412]	18-1/2 [470]	18-1/2 [470]	16X20	0.068	118	4
AAM31/37+E*	21 [533]	49-1/4 [1251]	20-1/2 [521]	18-3/4 [476]	12 [305]	10-1/4 [260]	16-1/4 [412]	18-1/2 [470]	18-1/2 [470]	16X20	0.074	147	4
AAM42+E*	24-1/2 [622]	57 [1448]	20-1/2 [521]	22-1/4 [565]	14-3/4 [375]	11 [279]	16 [406]	22 [559]	18-1/2 [470]	20X20	0.080	153	4
AAM48+E*	24-1/2 [622]	57 [1448]	20-1/2 [521]	22-1/4 [565]	14-3/4 [375]	13 [330]	18 [457]	22 [559]	18-1/2 [470]	20X20	0.084	180	4
AAM43/49/60/62+E*	24-1/2 [622]	57 [1448]	20-1/2 [521]	22-1/4 [565]	14-3/4 [375]	13 [330]	18 [457]	22 [559]	18-1/2 [470]	20X20	0.084	180	4
AAM61+E*	24-1/2 [622]	57 [1448]	20-1/2 [521]	22-1/4 [565]	14-3/4 [375]	15 [381]	20 [508]	22 [559]	18-1/2 [470]	20X20	0.092	200	4

Figure 1

