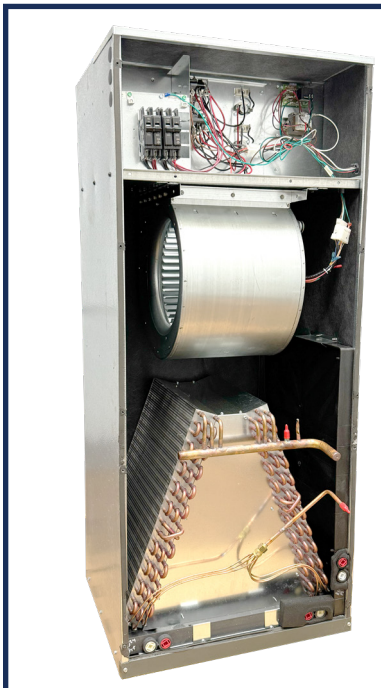
# AAM SERIES

- COPPER
- ELECTRIC



*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, 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 Multi-speed motor allows for precise airflow selection, while clearly labeled motor terminals make speed adjustments simple and accurate. The rail 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 customization options.

**DUAL REFRIGERANT**

**UNIVERSAL A2L REFRIGERANT TECHNOLOGY FOR R32 & R454B SYSTEMS**

**IDEAL FOR USE WITH ASPEN AIR HANDLERS, AS WELL AS CASED & UNCASED COILS!**

Versa Dual Refrigerant 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 OPTION: | DOWNFLOW KIT OPTIONS: | |
|---|---|---|
| | METAL DRAIN PANS | PLASTIC DRAIN PANS |
| Factory or field-installed TXV available. | • 16" DWNFLWM-16<br>• 18" DWNFLWM-18 | DWNFLWP |

R51341 11/25

ASSEMBLED IN THE USA — TRUSTED QUALITY SINCE 1975 | MEMBER AHRI — AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE | HARDI — Heating, Air-conditioning & Refrigeration Distributors International — PROUD MEMBER | INTERTEK ETL LISTED C US | R-410A • R-22 • R-454B • R-32 REFRIGERANT READY WHEN PROPER METERING DEVICE IS USED | 10 YEAR LIMITED WARRANTY*

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## HEATING/COOLING PERFORMANCE & ELECTRICAL DATA

| MODEL | PERFORMANCE DATA | | | | | | | ELECTRICAL DATA | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | NOM. COOLING | ELECTRIC HEAT KIT MODEL | MIN SPEED TAP | HEATING (KW) | | HEATING CAPACITY(MBUTH) | | MINIMUN CIRCUIT AMPACITY (MCA) | | MAX. BREAKER OR FUSE SIZE | |
| | | | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V |
| AAM 18/19 | 18,000 | E(C,T) S00 | - | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 15A | 15A |
| | | E(C,T) S03 | LO | 2.3 | 3.0 | 7.8 | 10.2 | 15.3 | 17.4 | 20A | 20A |
| | | E(C,T) S05 | LO | 3.6 | 4.8 | 12.3 | 16.4 | 23.4 | 26.8 | 25A | 30A |
| | | E(C,T) S06 | LO | 4.5 | 6.0 | 15.3 | 20.5 | 28.8 | 33 | 30A | 35A |
| | | E(C,T) S08 | HI | 6.0 | 8.0 | 20.5 | 27.3 | 37.8 | 43.4 | 40A | 45A |
| | | E(C,T) S10 | HI | 7.2 | 9.6 | 24.6 | 32.7 | 45.0 | 51.8 | 45A | 60A |
| AAM 24/25 | 24,000 | E(C,T) S00 | - | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 15A | 15A |
| | | E(C,T) S03 | LO | 2.3 | 3.0 | 7.8 | 10.2 | 15.3 | 17.4 | 20A | 20A |
| | | E(C,T) S05 | LO | 3.6 | 4.8 | 12.3 | 16.4 | 23.4 | 26.8 | 25A | 30A |
| | | E(C,T) S06 | LO | 4.5 | 6.0 | 15.3 | 20.5 | 28.8 | 33 | 30A | 35A |
| | | E(C,T) S08 | HI | 6.0 | 8.0 | 20.5 | 27.3 | 37.8 | 43.4 | 40A | 45A |
| | | E(C,T) S10 | HI | 7.2 | 9.6 | 24.6 | 32.7 | 45.0 | 51.8 | 45A | 60A |
| AAM 30/31 | 30,000 | E(C,T) M00 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 3.3 | 15A | 15A |
| | | E(C,T) M03 | HI | 2.3 | 3.0 | 7.8 | 10.2 | 16.8 | 18.9 | 20A | 20A |
| | | E(C,T) M05 | HI | 3.6 | 4.8 | 12.3 | 16.4 | 24.9 | 28.3 | 25A | 30A |
| | | E(C,T) M06 | HI | 4.5 | 6.0 | 15.3 | 20.5 | 30.3 | 34.5 | 35A | 35A |
| | | E(C,T) M08 | HI | 6.0 | 8.0 | 20.5 | 27.3 | 39.3 | 44.9 | 40A | 45A |
| | | E(C,T) M10 | HI | 7.2 | 9.6 | 24.6 | 32.7 | 46.5 | 53.3 | 50A | 60A |
| | | E(C,T) M15 | HI | 7.2 / 3.6 | 9.6 / 4.8 | 24.6 / 12.3 | 32.7 / 16.4 | 46.5 / 21.6 | 53.3 / 25 | 50A / 25A | 60A / 25A |
| AAM 36/37 | 36,000 | E(C,T) M00 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 3.3 | 15A | 15A |
| | | E(C,T) M03 | HI | 2.3 | 3.0 | 7.8 | 10.2 | 16.8 | 18.9 | 20A | 20A |
| | | E(C,T) M05 | HI | 3.6 | 4.8 | 12.3 | 16.4 | 24.9 | 28.3 | 25A | 30A |
| | | E(C,T) M06 | HI | 4.5 | 6.0 | 15.3 | 20.5 | 30.3 | 34.5 | 35A | 35A |
| | | E(C,T) M08 | HI | 6.0 | 8.0 | 20.5 | 27.3 | 39.3 | 44.9 | 40A | 45A |
| | | E(C,T) M10 | HI | 7.2 | 9.6 | 24.6 | 32.7 | 46.5 | 53.3 | 50A | 60A |
| | | E(C,T) M15 | HI | 7.2 / 3.6 | 9.6 / 4.8 | 24.6 / 12.3 | 32.7 / 16.4 | 46.5 / 21.6 | 53.3 / 25 | 50A / 25A | 60A / 25A |

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## (...continued) HEATING/COOLING PERFORMANCE & ELECTRICAL DATA

| MODEL | PERFORMANCE DATA | | | | | | | ELECTRICAL DATA | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | NOM. COOLING | ELECTRIC HEAT KIT MODEL | MIN SPEED TAP | HEATING (KW) | | HEATING CAPACITY(MBUTH) | | MINIMUN CIRCUIT AMPACITY (MCA) | | MAX. BREAKER OR FUSE SIZE | |
| | | | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V |
| AAM 42/43 | 42,000 | E(C,T) L00 | - | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 5.5 | 15A | 15A |
| | | E(C,T) L03 | LO | 2.3 | 3.0 | 7.8 | 10.2 | 19 | 21.1 | 20A | 25A |
| | | E(C,T) L05 | LO | 3.6 | 4.8 | 12.3 | 16.4 | 27.1 | 30.5 | 30A | 35A |
| | | E(C,T) L06 | LO | 4.5 | 6.0 | 15.3 | 20.5 | 32.5 | 36.8 | 35A | 40A |
| | | E(C,T) L08 | LO | 6.0 | 8.0 | 20.5 | 27.3 | 41.6 | 47.2 | 45A | 50A |
| | | E(C,T) L10 | LO | 7.2 | 9.6 | 24.6 | 32.7 | 48.8 | 55.5 | 50A | 60A |
| | | E(C,T) L15 | LO | 7.2 / 3.6 | 9.6 / 4.8 | 24.6 / 12.3 | 32.7 / 16.4 | 48.8 / 21.6 | 55.5 / 25.0 | 50A / 25A | 60A / 25A |
| | | E(C,T) L20 | LO | 7.2 / 7.2 | 9.6 / 9.6 | 24.6 / 24.6 | 32.7 / 32.7 | 48.8 / 43.3 | 55.5 / 50.0 | 50A / 45A | 60A / 50A |
| | | E(C,T) L25 | LO | 7.2 / 7.2 / 3.6 | 9.6 / 9.6 / 4.8 | 24.6 / 24.6 / 12.3 | 32.7 / 32.7 / 16.4 | 48.8 / 43.3 / 21.6 | 55.5 / 50.0 / 25.0 | 50A / 45A / 25A | 60A / 50A / 25A |
| AAM 48/49 | 48,000 | E(C,T) L00 | - | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 5.5 | 15A | 15A |
| | | E(C,T) L03 | LO | 2.3 | 3.0 | 7.8 | 10.2 | 19 | 21.1 | 20A | 25A |
| | | E(C,T) L05 | LO | 3.6 | 4.8 | 12.3 | 16.4 | 27.1 | 30.5 | 30A | 35A |
| | | E(C,T) L06 | LO | 4.5 | 6.0 | 15.3 | 20.5 | 32.5 | 36.8 | 35A | 40A |
| | | E(C,T) L08 | LO | 6.0 | 8.0 | 20.5 | 27.3 | 41.6 | 47.2 | 45A | 50A |
| | | E(C,T) L10 | LO | 7.2 | 9.6 | 24.6 | 32.7 | 48.8 | 55.5 | 50A | 60A |
| | | E(C,T) L15 | LO | 7.2 / 3.6 | 9.6 / 4.8 | 24.6 / 12.3 | 32.7 / 16.4 | 48.8 / 21.6 | 55.5 / 25.0 | 50A / 25A | 60A / 25A |
| | | E(C,T) L20 | LO | 7.2 / 7.2 | 9.6 / 9.6 | 24.6 / 24.6 | 32.7 / 32.7 | 48.8 / 43.3 | 55.5 / 50.0 | 50A / 45A | 60A / 50A |
| | | E(C,T) L25 | LO | 7.2 / 7.2 / 3.6 | 9.6 / 9.6 / 4.8 | 24.6 / 24.6 / 12.3 | 32.7 / 32.7 / 16.4 | 48.8 / 43.3 / 21.6 | 55.5 / 50.0 / 25.0 | 50A / 45A / 25A | 60A / 50A / 25A |
| AAM 60/61 /62 | 60,000 | E(C,T) L00 | - | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 5.5 | 15A | 15A |
| | | E(C,T) L03 | LO | 2.3 | 3.0 | 7.8 | 10.2 | 19 | 21.1 | 20A | 25A |
| | | E(C,T) L05 | LO | 3.6 | 4.8 | 12.3 | 16.4 | 27.1 | 30.5 | 30A | 35A |
| | | E(C,T) L06 | LO | 4.5 | 6.0 | 15.3 | 20.5 | 32.5 | 36.8 | 35A | 40A |
| | | E(C,T) L08 | LO | 6.0 | 8.0 | 20.5 | 27.3 | 41.6 | 47.2 | 45A | 50A |
| | | E(C,T) L10 | LO | 7.2 | 9.6 | 24.6 | 32.7 | 48.8 | 55.5 | 50A | 60A |
| | | E(C,T) L15 | LO | 7.2 / 3.6 | 9.6 / 4.8 | 24.6 / 12.3 | 32.7 / 16.4 | 48.8 / 21.6 | 55.5 / 25.0 | 50A / 25A | 60A / 25A |
| | | E(C,T) L20 | LO | 7.2 / 7.2 | 9.6 / 9.6 | 24.6 / 24.6 | 32.7 / 32.7 | 48.8 / 43.3 | 55.5 / 50.0 | 50A / 45A | 60A / 50A |
| | | E(C,T) L25 | LO | 7.2 / 7.2 / 3.6 | 9.6 / 9.6 / 4.8 | 24.6 / 24.6 / 12.3 | 32.7 / 32.7 / 16.4 | 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 | 240V ECM MOTOR | | | CFM V. EXTERNAL STATIC | | | | |
|---|---|---|---|---|---|---|---|---|
| | MOTOR HP | MOTOR AMPS | SPEED TAP | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 |
| AAM 18/19/24/25 | 1/5 | 1.4 | LO | 750 | 706 | 674 | 627 | 600 |
| | | | HI | 932 | 894 | 862 | 827 | 800 |
| AAM 30/31/36/37 | 1/3 | 2.6 | LO | 745 | 698 | 668 | 630 | 600 |
| | | | HI | 1291 | 1280 | 1252 | 1227 | 1200 |
| AAM 42/43/48/49/ 60/61/62 | 3/4 | 4.4 | LO | 1367 | 1342 | 1303 | 1260 | 1217 |
| | | | HI | 2018 | 1987 | 1961 | 1922 | 1889 |

## ELECTRIC HEAT KIT NOMENCLATURE

| HEAT KIT SERIES | POWER CONNECTION | CABINET SIZE | ELECTRIC HEAT CAPACITY |
|---|---|---|---|
| E | C | S | 03 |
| E= ELECTRIC HEAT | **C** = CIRCUIT BREAKER<br>**T** = TERMINAL BLOCK | **S** = 24, 25 | **00** = 0 KW<br>**03** = 3 KW<br>**05** = 5 KW<br>**06** = 6 KW<br>**08** = 8 KW<br>**10** = 10 KW |
| | | **M** = 26, 30, 31, 32, 36, 37, 38 | **00** = 0 KW<br>**03** = 3 KW<br>**05** = 5 KW<br>**06** = 6 KW<br>**08** = 8 KW<br>**10** = 10 KW<br>**15** = 15 KW |
| | | **L** = 42, 43, 48, 49 60, 61, 62 | **00** = 0 KW<br>**03** = 3 KW<br>**05** = 5 KW<br>**06** = 6 KW<br>**08** = 8 KW<br>**10** = 10 KW<br>**15** = 15 KW<br>**20** = 20 KW<br>**25** = 25kW |

## AIR HANDLER CHASSIS NOMENCLATURE

| AAM | 18 | G | 001 |
|---|---|---|---|
| | | METERING DEVICE | |
| 240V PSC MOTOR Multi-Position Air Handler | Nominal Tonnage | **4** = non-bleed A/C or H/P R410 TXV<br>**6** = 20% bleed A/C or H/P R410 TXV<br>**B** = 20% bleed A/C or H/P R410 TXV<br>**G** = R410 Flo-rater<br>**F** = R-22 Flo-rater<br>**X** = non-bleed A/C or H/P R22TXV<br><br>**J** = R454B (TXV NON-BLEED AC/HP)<br>**D** = R32 (TXV NON-BLEED AC/HP)<br>**K** = R454B (TXV 20% BLEED AC/HP)<br>**M** = R32 (PISTON)<br>**N** = R454B (PISTON)<br>**Z** = R454B/R32 CONFIGURABLE(PISTON) | OPTION CODE |

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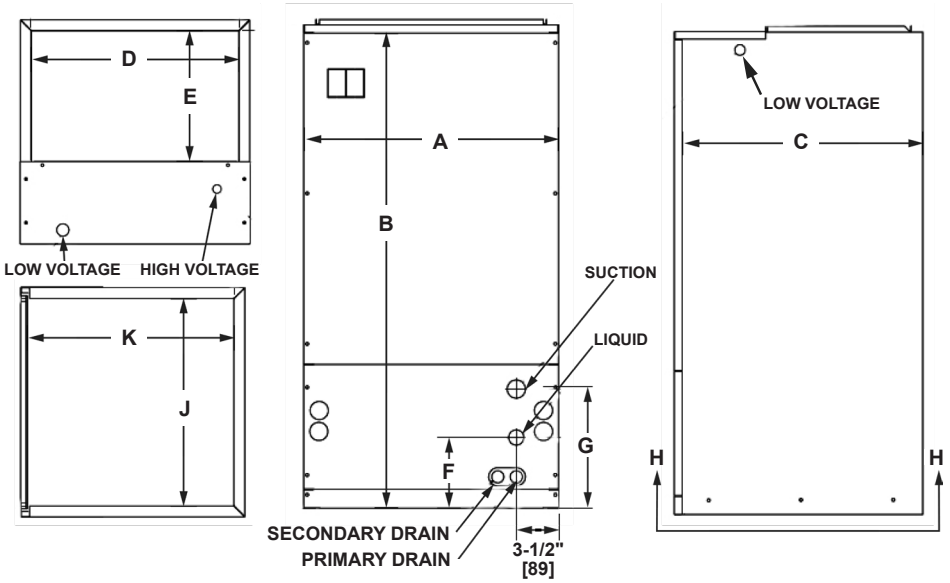
## FIGURE 1 - AAM




**AAM DIMENSIONS (In.)[mm.]- FIGURE 1**

| MODEL | A | B | C | D | E | F | G | J | K | FILTER | SHIPPING INFO. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 1" DEPTH | 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] | 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 | 100 | |
| AAM 30 | 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 | 118 | |
| AAM 36 | 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 | 118 | |
| AAM 31/37 | 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 | 147 | |
| AAM 42 | 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 | 153 | |
| AAM 48 | 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 | 180 | |
| AAM 43/49/60/62 | 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 | 180 | |
| AAM 61 | 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 | 200 | |

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