



PRODUCT CATALOG





Aspen Background:

Aspen, headquartered in Humble, Texas, is one of the largest independent coil manufacturers in the air conditioning marketplace in the United States and Canada.

Founded in 1975 and family led since inception, we are small enough to be flexible but large enough to stand behind our products.

The Company engineers, manufactures, and markets an extensive line of residential and light commercial evaporator coils and air handlers under the Aspen brand.

We continuously invest in the business so we can provide quality products at competitive prices with short lead times that our customers have come to expect. As part of our growth path we are in the process of strengthening our sales and customer support organization to position Aspen for the next level of growth.



Why Aspen:

- Shortest lead times in the industry for both coils and air handlers
- Hiss-test-able DX and hydronic heating coils
- AHRI 210/240 certified coils and air handlers
- Flexibility to custom fit our offering to the needs of the end user (Get it your way...)
- Web access for specification sheets, warranty forms and other technical literature
- Ability to adapt to changing market demands
- Low cost-to-market advantage
- R22 and R410A compatibility
- Assembled in the USA
- Faster warranty processing via web registration, claims and administration
- Loyalty programs designed to fit our customer's needs.
- 100% of all coils pressure tested with 500 psi dry air in a water bath
- Shipped with up to 60 psi of dry nitrogen holding charge
- Industry exclusive liquid line Schrader valve provided for "hiss test"
- 100% of Air Handlers run tested
- QMS system, incorporating ISO techniques to deliver a product to the highest industry standards
- Product compliant to UL1995 4th Edition safety requirements
- Metal, Plastic and Paint compliant with respective ASTM standards
- Our warranty claims failure rates are consistent with our quality materials and manufacturing practices, and we believe they continue to exceed that of our competitors
- Industry low leak rates
- High performance thicker bottom wall copper tube than all of the competition



**Complete warranty details and registration information available at www.aspenmfg.com*

ASPEN MANUFACTURING • 373 ATASCOCITA ROAD • HUMBLE, TEXAS 77396
PHONE 800.423.9007 • FAX 281.441.6510
EMAIL INFO@ASPENMFG.COM • WEB WWW.ASPENMFG.COM



TO PLACE AN ORDER...

1. All orders **MUST** include the following information:

- ✓ Account # & P.O.#
- ✓ “Requested” ship date – If none, order will be placed and shipped ASAP
- ✓ COMPLETE model #, including “Option Codes” – if standard, fill in the spaces with XXX
- ✓ Contact name, phone and e-mail – **MUST** include all three.
- ✓ **ANY** notes regarding special pricing, terms, shipping etc. – with supporting documentation.

2. Send Order To:

Email orders: orderentry@aspenmfg.com

Fax orders: (281) 441-6510*

*Alternate Fax (281) 441-1863 is available if difficulties are encountered with primary Fax number.

****All orders must be placed via fax or email. Phone orders not accepted.***

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DX-treme C-Series Nomenclature

Revised 8/29/13

C A 24 A3 G -145 L -001

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⑧ Option Code

⑦ Refrigerant and plumbing connections

L = left-hand plumbing and refrigerant connections

R = right-hand plumbing and refrigerant connections

T = refrigerant out the top, plumbing out opposite sides

⑥

CA, CM Series: Drain pan width code
CB, CC, CE, CP, CQ, CR, CS Series: Furnace width code
CH Series: cabinet width code

⑤ Metering device

4 = non-bleed A/C or H/P R410 TXV

6 = 20% bleed A/C or H/P R410 TXV

B = 20% bleed A/C or H/P R22 TXV

F = R-22 Flo-rater

G = R-410A Flo-rater

X = non-bleed A/C or H/P R22 TXV

④ Coil descriptor code (face area, rows, fpi)

③ Nominal tonnage (MBTUH)

② Configuration

A = uncased up/down

B = cased dedicated horizontal LaborSaver

C = cased up/down

E = cased multi-position VersaCoil

H = cased dedicated horizontal slab coil

M = manufactured home coil

P = cased dedicated horizontal with attached plenum

Q = cased dedicated horizontal with attached plenum and built-in auxiliary drain

R = cased dedicated horizontal with attached plenum and built-in auxiliary drain, 2nd generation

S = cased dedicated horizontal LaborSaver, 2nd generation

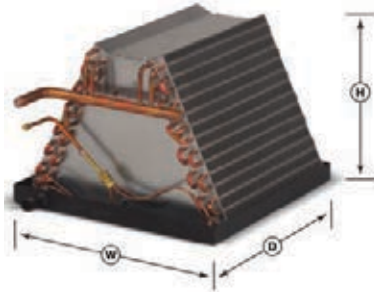
① Series

C = C Series (DX-treme)



PRODUCT DIMENSIONS & SPECIFICATIONS

DX-TREME CA SERIES UNCASED UPFLOW/DOWNFLOW COILS



Representative drawing only.
Some models may vary in appearance.

STANDARD SPECIFICATIONS

- Rifled copper tubing, enhanced aluminum fins.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- Left- or right-hand refrigerant and plumbing connections.
- Liquid line - 3/8" ODS, suction line - 3/4" ODS on 1-1/2- 3 ton & 7/8" ODS on 3-1/2 - 5 ton.
- Externally mounted flowrater body with Schrader valve for hiss-testing.
- Heavy duty plastic drain pans on most models.
- Upflow without field modification. Downflow applications require plate kit, included.
- AHRI certifiable with all brands of A/C and heat pump systems.
- ETL listed for use with both R-22 and R-410a when proper metering device is used.
- Ten-year limited warranty.

POPULAR OPTIONS:

- Factory or field-installable TXV.
- Powder painted stainless steel drain pan.
- Schrader mounted on suction manifold.

RESIDENTIAL COILS / CA

| COIL MODEL | FLOW RATOR SIZE | | DIMENSIONS | | | | | | SHIPPING INFORMATION | | | |
|------------|-----------------|-------|----------------------------|-------|------------|--------|----------------|-----------------------|-----------------------|----|-------|----------|
| | | | PAN WIDTHS [W]" | | | | PAN DEPTH [D]" | BARE SLAB HEIGHT [H]" | SHIPPING WEIGHT [LBS] | | | SKID QTY |
| | | | R22 | R410a | 13 | 16 | | | 19-1/2 | 23 | 2 ROW | |
| CA24A* | 0.059 | 0.055 | 13 | 16 | 19-1/2 | | 19-3/8 | 13-1/2 | 17 | 27 | 35 | 30 |
| CA24B* | 0.059 | 0.055 | 13 | 16 | 19-1/2 | | 19-3/8 | 15-1/2 | 20 | 31 | 41 | 25 |
| CA24C* | 0.059 | 0.055 | 13 | 16 | 19-1/2 | | 19-3/8 | 17-1/2 | 23 | 36 | 47 | 25 |
| CA24D* | 0.059 | 0.055 | 13 | 16 | 19-1/2 | | 19-3/8 | 19-1/2 | 25 | 40 | 53 | 20 |
| CA30A* | 0.068 | 0.059 | 13 | 16 | 19-1/2 | | 19-3/8 | 15-1/2 | 20 | 31 | 41 | 25 |
| CA30B* | 0.068 | 0.059 | 13 | 16 | 19-1/2 | | 19-3/8 | 17-1/2 | 23 | 36 | 47 | 25 |
| CA30C* | 0.068 | 0.059 | 13 | 16 | 19-1/2 | | 19-3/8 | 19-1/2 | 25 | 40 | 53 | 20 |
| CA30D* | 0.068 | 0.059 | 13 | 16 | 19-1/2 | | 19-3/8 | 21-1/2 | 28 | 45 | 58 | 16 |
| CA30E* | 0.068 | 0.059 | 13 | 16 | 19-1/2 | | 19-3/8 | 21-1/2 | 30 | 47 | 60 | 16 |
| CA36A* | 0.074 | 0.068 | 13 for 2, 3R; 16 for 4R | 16 | 19-1/2 | | 19-3/8 | 17-1/2 | 23 | 36 | 47 | 25 |
| CA36B* | 0.074 | 0.068 | 13 for 2, 3R; 16 for 4R | 16 | 19-1/2 | | 19-3/8 | 19-1/2 | 25 | 40 | 53 | 20 |
| CA36C* | 0.074 | 0.068 | 13 for 2, 3R; 16 for 4R | 16 | 19-1/2 | | 19-3/8 | 21-1/2 | 28 | 45 | 58 | 16 |
| CA36D* | 0.074 | 0.068 | 13 for 2, 3R; 16 for 4R | 16 | 19-1/2 | | 19-3/8 | 23-1/2 | 31 | 49 | 64 | 12 |
| CA42A* | 0.080 | 0.074 | | 16 | 19-1/2 | 23 | 19-3/8 | 19-1/2 | 25 | 40 | 53 | 20 |
| CA42B* | 0.080 | 0.074 | | 16 | 19-1/2 | 23 | 19-3/8 | 21-1/2 | 28 | 45 | 58 | 16 |
| CA42C* | 0.080 | 0.074 | | 16 | 19-1/2 | 23 | 19-3/8 | 23-1/2 | 31 | 49 | 64 | 12 |
| CA42D* | 0.080 | 0.074 | | 16 | 19-1/2 | 23 | 19-3/8 | 25-1/2 | 34 | 54 | 70 | 12 |
| CA48A* | 0.084 | 0.080 | | 16 | 19-1/2 | 23 | 19-3/8 | 21-1/2 | 28 | 45 | 58 | 16 |
| CA48B* | 0.084 | 0.080 | | 16 | 19-1/2 | 23 | 19-3/8 | 23-1/2 | 31 | 49 | 64 | 12 |
| CA48C* | 0.084 | 0.080 | | 16 | 19-1/2 | 23 | 19-3/8 | 25-1/2 | 34 | 54 | 70 | 12 |
| CA48D* | 0.084 | 0.080 | | 16 | 19-1/2 | 23 | 19-3/8 | 27-1/2 | 37 | 58 | 76 | 12 |
| CA48F* | 0.084 | 0.080 | | 16 | 19-1/2 | 23 | 19-3/8 | 25-1/2 | 36 | 56 | 72 | 12 |
| CA48G* | 0.084 | 0.080 | | 16 | 19-1/2 | 23 | 19-3/8 | 27-1/2 | 39 | 60 | 78 | 12 |
| CA60A* | 0.092 | 0.089 | | | 19-1/2 | 23 | 19-3/8 | 25-1/2 | 34 | 54 | 70 | 12 |
| CA60B* | 0.092 | 0.089 | | | 19-1/2 | 23 | 19-3/8 | 27-1/2 | 37 | 58 | 76 | 12 |
| CA60C* | 0.092 | 0.089 | | | 19-1/2 (2) | 23 (2) | 21-3/4 | 24-1/2 | 38 | 60 | 79 | 12 |
| CA60D* | 0.092 | 0.089 | | | 19-1/2 (2) | 23 (2) | 21-3/4 | 26-1/2 | 41 | 65 | 86 | 12 |
| CA60E* | 0.092 | 0.089 | | | | 24 (3) | 21 | 26-1/2 | 46 | 73 | 95 | 12 |
| CA60F* | 0.092 | 0.089 | | | 19-1/2 | 23 | 19-3/8 | 25-1/2 | 41 | 62 | 80 | 12 |
| CA60G* | 0.092 | 0.089 | | | | 24 (3) | 21 | 26-1/2 | 48 | 75 | 97 | 12 |

Notes: 1) Do not use heavy duty polypropylene drain pans on oil furnaces or other applications where outlet temperatures may exceed 290°F +/- 5°F. Specify metal drain pans for these applications. 2) Metal drain pan. 3) Metal drain pan. Slab rotated 90°. Refrigerant and plumbing connections still exit in front. 4) Only metal drain pans are available for 13" and 16" wide 4 row coils.

Phone: 281.441.6500
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* For complete warranty details visit www.aspenmfg.com.

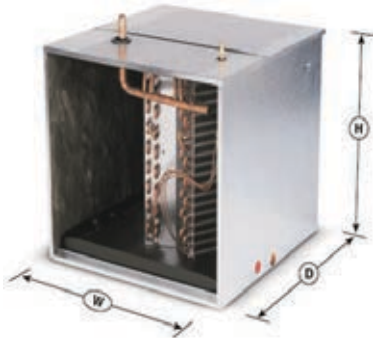


Revised 03/20/15. In keeping with its policy of continuous progress and product improvement, Aspen reserves the right to make changes without notice and incurring obligation. © 2015



PRODUCT DIMENSIONS & SPECIFICATIONS

**DX-TREME CB SERIES
DEDICATED HORIZONTAL COILS**



Representative drawing only.
Some models may vary in appearance.

STANDARD SPECIFICATIONS

- Rified copper tubing, enhanced aluminum fins.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- Liquid line - 3/8" ODS, suction line - 3/4" ODS on 1-1/2- 3 ton & 7/8" ODS on 3-1/2 - 5 ton.
- Inlet and outlet dimensions are identical (without end caps).
- Externally mounted flowrater body with Schrader valve for hiss-testing.
- Refrigerant lines exit from the top of the coil.
- Split access doors on top of the coil for easy service.
- Embossed galvanized cabinets standard.
- Top, bottom, and side flanges for furnace connection
- Fully insulated cabinets with faced insulation.
- Heavy duty plastic drain pan with four 3/4" FPT galvanized condensate drains (two per side). Pan is positively sloped toward drains.
- AHRI certifiable with all brands of A/C and heat pump systems.
- ETL listed for use with R-22 and R-410a when proper metering device is used.
- Ten-year limited warranty.

POPULAR OPTIONS:

- Factory or field-installable TXV.
- Powder painted stainless steel drain pan.
- Schrader mounted on suction manifold, external to cabinet.

| COIL MODEL | PISTON SIZE | | DIMENSIONS | | | SHIPPING INFORMATION | | | |
|------------|-------------|-------|--------------------|--------------------|--|-----------------------|-------|-------|----------|
| | R22 | R410a | CABINET WIDTH (W)" | CABINET DEPTH (D)" | MAX FURNACE WIDTH (OR HEIGHT WHEN HORZ.) | SHIPPING WEIGHT (LBS) | | | SKID QTY |
| | | | | | | 2 ROW | 3 ROW | 4 ROW | |
| CB24A* | 0.059 | 0.055 | 22 | 22-3/4 | 16-3/4 | 29 | 37 | 45 | 16 |
| CB24B* | 0.059 | 0.055 | 22 | 22-3/4 | 16-3/4 | 34 | 44 | 52 | 16 |
| CB24C* | 0.059 | 0.055 | 22 | 22-3/4 | 20-3/4 | 37 | 47 | 56 | 16 |
| CB24D* | 0.059 | 0.055 | 22 | 22-3/4 | 20-3/4 | 43 | 55 | 65 | 16 |
| CB30A* | 0.068 | 0.059 | 22 | 22-3/4 | 16-3/4 | 34 | 44 | 52 | 16 |
| CB30B* | 0.068 | 0.059 | 22 | 22-3/4 | 16-3/4 | 39 | 50 | 59 | 16 |
| CB30C* | 0.068 | 0.059 | 22 | 22-3/4 | 20-3/4 | 43 | 55 | 65 | 16 |
| CB30D* | 0.068 | 0.059 | 22 | 22-3/4 | 20-3/4 | 49 | 62 | 74 | 16 |
| CB30E* | 0.068 | 0.059 | 22 | 22-3/4 | 20-3/4 | 37 | 47 | 56 | 16 |
| CB36A* | 0.074 | 0.068 | 22 | 22-3/4 | 16-3/4 | 39 | 50 | 59 | 16 |
| CB36B* | 0.074 | 0.068 | 22 | 22-3/4 | 16-3/4 | 44 | 56 | 67 | 16 |
| CB36C* | 0.074 | 0.068 | 22 | 22-3/4 | 20-3/4 | 49 | 62 | 74 | 16 |
| CB36D* | 0.074 | 0.068 | 22 | 22-3/4 | 20-3/4 | 55 | 70 | 83 | 16 |
| CB36E* | 0.074 | 0.068 | 22 | 22-3/4 | 20-3/4 | 42 | 53 | 63 | 16 |
| CB42A* | 0.080 | 0.074 | 22 | 22-3/4 | 18-3/4 | 44 | 56 | 67 | 16 |
| CB42B* | 0.080 | 0.074 | 22 | 22-3/4 | 18-3/4 | 49 | 63 | 75 | 16 |
| CB42C* | 0.080 | 0.074 | 22 | 22-3/4 | 22-3/4 | 54 | 69 | 82 | 12 |
| CB42D* | 0.080 | 0.074 | 22 | 22-3/4 | 22-3/4 | 60 | 77 | 92 | 12 |
| CB42E* | 0.080 | 0.074 | 22 | 22-3/4 | 22-3/4 | 47 | 60 | 71 | 12 |
| CB48A* | 0.084 | 0.080 | 22 | 22-3/4 | 20-3/4 | 49 | 63 | 75 | 16 |
| CB48B* | 0.084 | 0.080 | 22 | 22-3/4 | 20-3/4 | 55 | 70 | 83 | 16 |
| CB48C* | 0.084 | 0.080 | 22 | 22-3/4 | 24-3/4 | 60 | 77 | 92 | 12 |
| CB48D* | 0.084 | 0.080 | 22 | 22-3/4 | 24-3/4 | 67 | 86 | 102 | 12 |
| CB48E* | 0.084 | 0.080 | 22 | 22-3/4 | 24-3/4 | 52 | 67 | 79 | 12 |
| CB60A* | 0.092 | 0.089 | 22 | 22-3/4 | 24-3/4 | 60 | 77 | 92 | 12 |
| CB60B* | 0.092 | 0.089 | 22 | 22-3/4 | 24-3/4 | 67 | 86 | 102 | 12 |
| CB60C* | 0.092 | 0.089 | 22 | 22-3/4 | 26-3/4 | 71 | 91 | 108 | 12 |
| CB60D* (1) | 0.092 | 0.089 | 22 | 25 | 26-3/4 | 79 | 101 | 120 | 12 |
| CB60E* | 0.092 | 0.089 | 22 | 22-3/4 | 26-3/4 | 64 | 82 | 97 | 12 |
| CB60F* | 0.092 | 0.089 | 22 | 22-3/4 | 20-3/4 | 55 | 70 | 83 | 16 |
| CB60G* | 0.092 | 0.089 | 22 | 22-3/4 | 24-3/4 | 69 | 88 | 104 | 12 |

Note: (1) Primary pan constructed of powder-painted galvanized steel. If ordering auxiliary pan, please specify #1823.

Phone: 281.441.6500
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* For complete warranty details visit www.aspenmfg.com.

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PRODUCT DIMENSIONS & SPECIFICATIONS

DX-TREME CC SERIES CASED UPFLOW/DOWNFLOW COILS



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

STANDARD SPECIFICATIONS

- Rifled copper tubing, enhanced aluminum fins.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- Left- or right-hand refrigerant and plumbing connections.
- Liquid line - 3/8" ODS, suction line - 3/4" ODS on 1-1/2-3 ton & 7/8" ODS on 3-1/2 - 5 ton.
- Externally mounted flowwater body with Schrader valve for hiss-testing.
- Heavy duty plastic drain pans on most models.
- Embossed galvanized cabinets standard. Cabinets feature furnace connectors (patent pending).
- Upflow without field modification. Downflow applications require plate kit, included.
- Split access doors in front for easy service.
- Fully insulated cabinets with faced insulation.
- Ten-year limited warranty.
- AHRI certifiable with all brands of A/C and heat pump systems.
- ETL listed for use with R22 and R410a when proper metering device is used.

POPULAR OPTIONS:

- Factory or field-installable TXV available.
- Painted cabinets.
- Powder-painted metal or stainless pans.
- Schrader mounted on suction manifold, external to cabinet.
- Bikini cabinets.

RESIDENTIAL COILS CC

| COIL MODEL | PISTON SIZE | | DIMENSIONS | | | | SHIPPING INFORMATION | | | |
|------------|-------------|-------|-------------------------|-----------|--------------------|---------------------|-----------------------|-------|-------|----------|
| | | | CABINET WIDTH [W]" | | CABINET DEPTH [D]" | CABINET HEIGHT [H]" | SHIPPING WEIGHT (LBS) | | | SKID QTY |
| | | | MIN WIDTH | MAX WIDTH | | | 2 ROW | 3 ROW | 4 ROW | |
| CC24A* | 0.059 | 0.055 | 14 | 23 | 21-1/2 | 16 | 29 | 37 | 45 | 20 |
| CC24B* | 0.059 | 0.055 | 14 | 23 | 21-1/2 | 16 | 34 | 44 | 52 | 20 |
| CC24C* | 0.059 | 0.055 | 14 | 23 | 21-1/2 | 20 | 39 | 50 | 59 | 16 |
| CC24D* | 0.059 | 0.055 | 14 | 23 | 21-1/2 | 20 | 44 | 56 | 67 | 16 |
| CC30A* | 0.068 | 0.059 | 14 | 23 | 21-1/2 | 16 | 34 | 44 | 52 | 20 |
| CC30B* | 0.068 | 0.059 | 14 | 23 | 21-1/2 | 20 | 39 | 50 | 59 | 16 |
| CC30C* | 0.068 | 0.059 | 14 | 23 | 21-1/2 | 20 | 44 | 56 | 67 | 16 |
| CC30D* | 0.068 | 0.059 | 14 | 23 | 21-1/2 | 24 | 49 | 62 | 74 | 12 |
| CC30E* | 0.068 | 0.059 | 14 | 23 | 21-1/2 | 24 | 51 | 64 | 76 | 12 |
| CC36A* | 0.074 | 0.068 | 14 for 2, 3R; 17 for 4R | 23 | 21-1/2 | 20 | 39 | 50 | 59 | 16 |
| CC36B* | 0.074 | 0.068 | 14 for 2, 3R; 17 for 4R | 23 | 21-1/2 | 20 | 44 | 56 | 67 | 16 |
| CC36C* | 0.074 | 0.068 | 14 for 2, 3R; 17 for 4R | 23 | 21-1/2 | 24 | 49 | 62 | 74 | 12 |
| CC36D* | 0.074 | 0.068 | 14 for 2, 3R; 17 for 4R | 23 | 21-1/2 | 24 | 54 | 69 | 82 | 12 |
| CC42A* | 0.080 | 0.074 | 17 | 26-1/2 | 21-1/2 | 20 | 44 | 56 | 67 | 16 |
| CC42B* | 0.080 | 0.074 | 17 | 26-1/2 | 21-1/2 | 24 | 49 | 62 | 74 | 12 |
| CC42C* | 0.080 | 0.074 | 17 | 26-1/2 | 21-1/2 | 24 | 54 | 69 | 82 | 12 |
| CC42D* | 0.080 | 0.074 | 17 | 26-1/2 | 21-1/2 | 28 | 58 | 75 | 89 | 12 |
| CC48A* | 0.084 | 0.080 | 17 | 26-1/2 | 21-1/2 | 24 | 49 | 62 | 74 | 12 |
| CC48B* | 0.084 | 0.080 | 17 | 26-1/2 | 21-1/2 | 24 | 54 | 69 | 82 | 12 |
| CC48C* | 0.084 | 0.080 | 17 | 26-1/2 | 21-1/2 | 28 | 58 | 75 | 89 | 12 |
| CC48D* | 0.084 | 0.080 | 17 | 26-1/2 | 21-1/2 | 28 | 63 | 81 | 96 | 12 |
| CC48F* | 0.084 | 0.080 | 17 | 26-1/2 | 21-1/2 | 28 | 60 | 77 | 91 | 12 |
| CC48G* | 0.084 | 0.080 | 17 | 26-1/2 | 21-1/2 | 28 | 65 | 83 | 98 | 12 |
| CC60A* | 0.092 | 0.089 | 20-1/2 | 26-1/2 | 21-1/2 | 28 | 58 | 75 | 89 | 12 |
| CC60B* | 0.092 | 0.089 | 20-1/2 | 26-1/2 | 21-1/2 | 28 | 63 | 81 | 96 | 12 |
| CC60C* (5) | 0.092 | 0.089 | 20-1/2 | 26-1/2 | 23 | 28 | 66 | 84 | 100 | 12 |
| CC60D* (5) | 0.092 | 0.089 | 20-1/2 | 26-1/2 | 23 | 28 | 71 | 91 | 108 | 12 |
| CC60E* (3) | 0.092 | 0.089 | 24-1/2 | 26-1/2 | 21-1/2 | 28 | 79 | 101 | 120 | 12 |
| CC60F* | 0.092 | 0.089 | 20-1/2 | 26-1/2 | 21-1/2 | 28 | 60 | 77 | 91 | 12 |
| CC60G* (3) | 0.092 | 0.089 | 24-1/2 | 26-1/2 | 21-1/2 | 28 | 81 | 103 | 122 | 12 |

Notes: 1) Not all drain pan sizes are currently available in heavy duty plastic. Check with your local Aspen representative for current availability. 2) Do not use heavy duty plastic drain pans on oil furnaces or other applications where outlet temperatures may exceed 290°F +/-5°F. Specify metal drain pans for these applications. 3) Metal drain pan. Slab is rotated 90° inside cabinet. Refrigerant and plumbing connections still exit cabinet front. 4) Top duct opening size can be obtained by subtracting 1-1/2 from width or depth. Bottom duct opening size can be obtained by subtracting 3/4 from width or depth. 5) Metal drain pan.

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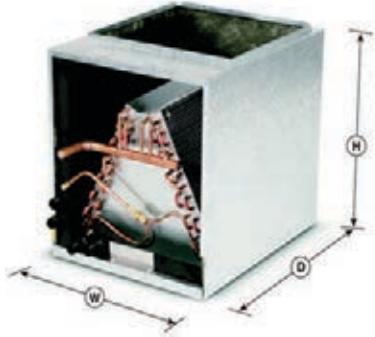
PRODUCT DIMENSIONS & SPECIFICATIONS



DX-TREME CE SERIES CASED MULTI-POSITION COILS

STANDARD SPECIFICATIONS

- Rified copper tubing, enhanced aluminum fins.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- Left- or right-hand refrigerant and plumbing connections.
- Liquid line - 3/8" ODS, suction line - 3/4" ODS on 1-1/2- 3 ton & 7/8" ODS on 3-1/2 - 5 ton.
- Externally mounted flowrater body with Schrader valve for hiss-testing.
- Heavy duty plastic upflow drains pans on most models, powder coated galvanized steel horizontal drain pans standard on all.
- Embossed galvanized cabinets standard. Cabinets feature furnace connectors (patent pending).
- Upflow, horizontal right, or horizontal left without field modification. Downflow applications require plate kit, included.
- Split access doors in front for easy service.
- Fully insulated cabinets with faced insulation.
- Ten-year limited warranty.
- AHRI certifiable with all brands of A/C and heat pump systems.
- ETL listed for use with R22 and R410a when proper metering device is used.



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

POPULAR OPTIONS:

- Factory or field-installable TXV available.
- Painted cabinets.
- Powder-painted metal or stainless pans.
- Schrader mounted on suction manifold, external to cabinet.

Plenum Dimensions: Top duct opening size can be obtained by subtracting 1-1/2 from width or depth.
Bottom duct opening size can be obtained by subtracting 3/4 from width or depth.

| COIL MODEL | PISTON SIZE | | DIMENSIONS | | | | SHIPPING INFORMATION | | | |
|------------|-------------|-------|-------------------------|-----------|--------------------|---------------------|-----------------------|-------|-------|----------|
| | | | CABINET WIDTH [W]" | | CABINET DEPTH [D]" | CABINET HEIGHT [H]" | SHIPPING WEIGHT [LBS] | | | SKID QTY |
| | | | MIN WIDTH | MAX WIDTH | | | 2 ROW | 3 ROW | 4 ROW | |
| CE24A* | 0.059 | 0.055 | 14 | 23 | 21-1/2 | 19 | 31 | 39 | 46 | 20 |
| CE24B* | 0.059 | 0.055 | 14 | 23 | 21-1/2 | 19 | 36 | 45 | 54 | 20 |
| CE24C* | 0.059 | 0.055 | 14 | 23 | 21-1/2 | 23 | 41 | 52 | 61 | 12 |
| CE24D* | 0.059 | 0.055 | 14 | 23 | 21-1/2 | 23 | 46 | 58 | 69 | 12 |
| CE30A* | 0.068 | 0.059 | 14 | 23 | 21-1/2 | 19 | 36 | 45 | 54 | 20 |
| CE30B* | 0.068 | 0.059 | 14 | 23 | 21-1/2 | 23 | 41 | 52 | 61 | 12 |
| CE30C* | 0.068 | 0.059 | 14 | 23 | 21-1/2 | 23 | 46 | 58 | 69 | 12 |
| CE30D* | 0.068 | 0.059 | 14 | 23 | 21-1/2 | 27 | 52 | 65 | 77 | 12 |
| CE30E* | 0.068 | 0.059 | 14 | 23 | 21-1/2 | 27 | 54 | 67 | 79 | 12 |
| CE36A* | 0.074 | 0.068 | 14 for 2, 3R; 17 for 4R | 23 | 21-1/2 | 23 | 41 | 52 | 61 | 12 |
| CE36B* | 0.074 | 0.068 | 14 for 2, 3R; 17 for 4R | 23 | 21-1/2 | 23 | 46 | 58 | 69 | 12 |
| CE36C* | 0.074 | 0.068 | 14 for 2, 3R; 17 for 4R | 23 | 21-1/2 | 27 | 52 | 65 | 77 | 12 |
| CE36D* | 0.074 | 0.068 | 14 for 2, 3R; 17 for 4R | 23 | 21-1/2 | 27 | 57 | 71 | 84 | 12 |
| CE42A* | 0.080 | 0.074 | 17 | 26-1/2 | 21-1/2 | 23 | 46 | 58 | 69 | 12 |
| CE42B* | 0.080 | 0.074 | 17 | 26-1/2 | 21-1/2 | 27 | 52 | 65 | 77 | 12 |
| CE42C* | 0.080 | 0.074 | 17 | 26-1/2 | 21-1/2 | 27 | 57 | 71 | 84 | 12 |
| CE42D* | 0.080 | 0.074 | 17 | 26-1/2 | 21-1/2 | 30 | 62 | 78 | 92 | 10 |
| CE48A* | 0.084 | 0.080 | 17 | 26-1/2 | 21-1/2 | 27 | 52 | 65 | 77 | 12 |
| CE48B* | 0.084 | 0.080 | 17 | 26-1/2 | 21-1/2 | 27 | 57 | 71 | 84 | 12 |
| CE48C* | 0.084 | 0.080 | 17 | 26-1/2 | 21-1/2 | 30 | 62 | 78 | 92 | 10 |
| CE48D* | 0.084 | 0.080 | 17 | 26-1/2 | 21-1/2 | 30 | 67 | 84 | 100 | 10 |
| CE48F* | 0.084 | 0.080 | 17 | 26-1/2 | 21-1/2 | 30 | 64 | 80 | 94 | 10 |
| CE48G* | 0.084 | 0.080 | 17 | 26-1/2 | 21-1/2 | 30 | 69 | 86 | 102 | 10 |
| CE60A* | 0.092 | 0.089 | 20-1/2 | 26-1/2 | 21-1/2 | 30 | 62 | 78 | 92 | 10 |
| CE60B* | 0.092 | 0.089 | 20-1/2 | 26-1/2 | 21-1/2 | 30 | 67 | 84 | 100 | 10 |
| CE60C* (4) | 0.092 | 0.089 | 20-1/2 | 26-1/2 | 23 | 30 | 70 | 88 | 104 | 10 |
| CE60D* (4) | 0.092 | 0.089 | 20-1/2 | 26-1/2 | 23 | 30 | 76 | 95 | 112 | 10 |
| CE60F* | 0.092 | 0.089 | 20-1/2 | 26-1/2 | 21-1/2 | 30 | 64 | 80 | 94 | 10 |

Notes: 1) Not all drain pan sizes are currently available in heavy duty plastic. Check with your local Aspen representative for current availability. 2) Do not use heavy duty plastic drain pans on oil furnaces or other applications where outlet temperatures may exceed 290°F +/-5°F. Specify metal drain pans for these applications. 3) Metal drain pan.

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PRODUCT DIMENSIONS & SPECIFICATIONS

DX-TREME CH SERIES SLAB HORIZONTAL COILS



Representative drawing only.
Some models may vary in appearance.

STANDARD SPECIFICATIONS

- Rified copper tubing, enhanced aluminum fins.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- Liquid line - 3/8" ODS, suction line - 3/4" ODS on 1-1/2- 3 ton & 7/8" ODS on 3-1/2 - 5 ton.
- Two 3/4" FPT condensate drains (primary and secondary)
- Powder-painted stainless steel drain pans.
- Externally mounted flowrater body with Schrader valve for hiss-testing..
- Split access doors for easy service.
- Fully insulated cabinets with faced insulation.
- AHRI certifiable with all brands of A/C and heat pump systems.
- ETL listed for use with both R-22 and R-410a when proper metering device is used.
- Ten-year limited warranty.

POPULAR OPTIONS:

- Factory or field-installable TXV.
- Schrader mounted on suction manifold, external to cabinet.

RESIDENTIAL COILS / CH

| COIL MODEL | FLOW RATOR SIZE | | DIMENSIONS | | | | | SHIPPING INFORMATION | | | |
|------------|-----------------|-------|------------|--------|---------|----|--------|-----------------------|-------|-------|----------|
| | | | WIDTH | HEIGHT | OPENING | | LENGTH | SHIPPING WEIGHT (LBS) | | | SKID QTY |
| | R22 | R410a | A | B | C | D | E | 2 ROW | 3 ROW | 4 ROW | |
| CH24A* | 0.059 | 0.055 | 10 | 23-1/2 | 21 | 16 | 21-1/2 | 20 | 34 | N/A | 14 |
| CH24B* | 0.059 | 0.055 | 10 | 23-1/2 | 21 | 24 | 29-1/2 | 29 | 43 | N/A | 14 |
| CH36A* | 0.074 | 0.068 | 10 | 23-1/2 | 21 | 24 | 29-1/2 | 29 | 43 | N/A | 14 |
| CH36B* | 0.074 | 0.068 | 10 | 23-1/2 | 21 | 30 | 35-1/2 | 35 | 49 | N/A | 14 |
| CH48A* | 0.084 | 0.080 | 10 | 23-1/2 | 21 | 30 | 35-1/2 | 35 | 49 | N/A | 14 |
| CH48B* | 0.084 | 0.080 | 10 | 23-1/2 | 21 | 36 | 41-1/2 | 42 | 56 | N/A | 8 |
| CH60A* | 0.092 | 0.089 | 10 | 23-1/2 | 21 | 36 | 41-1/2 | N/A | 56 | 70 | 8 |
| CH60B* | 0.092 | 0.089 | 10 | 23-1/2 | 21 | 42 | 47-1/2 | N/A | 66 | 80 | 8 |

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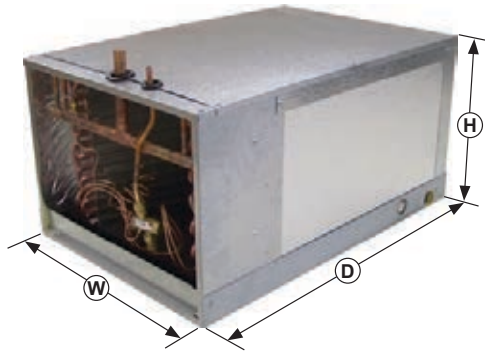
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PRODUCT DIMENSIONS & SPECIFICATIONS



DX-TREME CR SERIES DEDICATED HORIZONTAL PLENUM COIL WITH BUILT-IN AUXILIARY DRAIN PAN



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

STANDARD SPECIFICATIONS

- Rified copper tubing, enhanced aluminum fins
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed
- Liquid line - 3/8" ODS, suction line - 3/4" ODS on 1-1/2-3 ton & 7/8" ODS on 3-1/2 - 5 ton.
- Externally mounted flowrater body or internally mounted factory-installed TXV
- Schrader valve on liquid line for hiss-testing
- Refrigerant lines exit top of coil
- Split access doors on top of coil for easy service
- Plastic drain pans (primary and secondary)
- Built-in auxiliary drain pan with 3/4" FPT
- Plenum sides and end constructed of foil-backed faced fiberglass ductboard. Plenum top and bottom constructed of galvanized steel
- AHRI certifiable with all brands of A/C and heat pump systems
- ETL listed for use with R-22 and R-410a when proper metering device is used
- Patent pending design
- Ten-year limited warranty with registration

| COIL MODEL | R410a PISTON SIZE | DIMENSIONS | | | SHIPPING INFORMATION | | | |
|------------|-------------------|--------------------|--------------------|---------------------|-----------------------|-------|-------|----------|
| | | CABINET WIDTH [W]" | CABINET DEPTH [D]" | CABINET HEIGHT [H]" | SHIPPING WEIGHT (LBS) | | | SKID QTY |
| | | | | | 2 ROW | 3 ROW | 4 ROW | |
| CR24A* | 0.055 | 20-1/2 | 31 | 15-1/2 | 42 | 51 | | 8 |
| CR24B* | 0.055 | 20-1/2 | 31 | 19-1/2 | 47 | 56 | | 8 |
| CR24C* | 0.055 | 20-1/2 | 31 | 23-1/2 | 57 | 69 | | 8 |
| CR30A* | 0.059 | 20-1/2 | 31 | 15-1/2 | 48 | 58 | | 8 |
| CR30B* | 0.059 | 20-1/2 | 31 | 19-1/2 | 47 | 56 | | 8 |
| CR30C* | 0.059 | 20-1/2 | 31 | 23-1/2 | 57 | 69 | | 8 |
| CR36A* | 0.068 | 20-1/2 | 31 | 15-1/2 | 55 | 66 | | 8 |
| CR36B* | 0.068 | 20-1/2 | 31 | 19-1/2 | 55 | 66 | | 8 |
| CR36C* | 0.068 | 20-1/2 | 31 | 23-1/2 | 57 | 69 | | 8 |
| CR36D* | 0.068 | 20-1/2 | 31 | 19-1/2 | 93 | 112 | | 8 |
| CR42A* | 0.074 | 20-1/2 | 40 | 19-1/2 | 62 | 75 | | 8 |
| CR42B* | 0.074 | 20-1/2 | 40 | 23-1/2 | 67 | 80 | | 8 |
| CR42C* | 0.074 | 20-1/2 | 40 | 25-1/2 | 62 | 75 | | 8 |
| CR48A* | 0.08 | 20-1/2 | 40 | 23-1/2 | 76 | 92 | | 8 |
| CR48B* | 0.08 | 20-1/2 | 40 | 25-1/2 | 73 | 87 | | 8 |
| CR48C* | 0.08 | 20-1/2 | 40 | 25-1/2 | 93 | 112 | 135 | 8 |
| CR60A* | 0.089 | 20-1/2 | 40 | 23-1/2 | 124 | 149 | | 8 |
| CR60B* | 0.089 | 20-1/2 | 40 | 25-1/2 | 125 | 150 | 180 | 8 |

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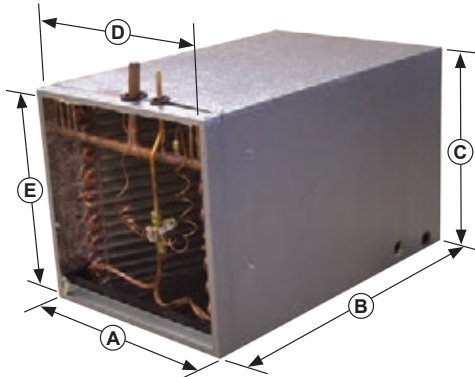
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PRODUCT DIMENSIONS & SPECIFICATIONS

DX-TREME CS SERIES DEDICATED HORIZONTAL COILS



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STANDARD SPECIFICATIONS

- Rifled copper tubing, enhanced aluminum fins.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- Liquid line - 3/8" ODS, suction line - 3/4" ODS on 1-1/2-3 ton & 7/8" ODS on 3-1/2 - 5 ton.
- Inlet and outlet dimensions are identical (without end caps).
- Externally mounted flowrater body with Schrader valve for hiss-testing or internally mounted factory-installed TXV.
- Refrigerant lines exit from the top of the coil.
- Split access doors on top of the coil for easy service.
- Embossed galvanized cabinets standard.
- Top, bottom, and side flanges for furnace connection
- Fully insulated cabinets with faced insulation.
- Heavy duty plastic drain pan with four 3/4" FPT condensate drains (two per side).
- AHRI certifiable with all brands of A/C and heat pump systems.
- ETL listed for use with R-22 and R-410a when proper metering device is used.
- Ten-year limited warranty with registration

RESIDENTIAL COILS / CS

| COIL MODEL | R410a PISTON SIZE | DIMENSIONS | | | | | SHIPPING INFORMATION | | | |
|------------|-------------------|-------------------|-------------------|--------------------|------------------|-------------------|-----------------------|-------|-------|----------|
| | | Cabinet Width [A] | Cabinet Depth [B] | Cabinet Height [C] | Inside Width [D] | Inside Height [E] | SHIPPING WEIGHT [LBS] | | | SKID QTY |
| | | | | | | | 2 ROW | 3 ROW | 4 ROW | |
| CS24A* | 0.055 | 19 1/2 | 31 | 15 | 18 1/4 | 14 | 35 | 45 | N/A | 16 |
| CS24B* | 0.055 | 19 1/2 | 31 | 19 | 18 1/4 | 18 | 39 | 50 | N/A | 16 |
| CS24C* | 0.055 | 19 1/2 | 31 | 23 | 18 1/4 | 22 | 47 | 61 | N/A | 16 |
| CS30A* | 0.059 | 19 1/2 | 31 | 15 | 18 1/4 | 14 | 40 | 52 | N/A | 16 |
| CS30B* | 0.059 | 19 1/2 | 31 | 19 | 18 1/4 | 18 | 39 | 50 | N/A | 16 |
| CS30C* | 0.059 | 19 1/2 | 31 | 23 | 18 1/4 | 22 | 47 | 61 | N/A | 16 |
| CS36A* | 0.068 | 19 1/2 | 31 | 15 | 18 1/4 | 14 | 45 | 58 | N/A | 16 |
| CS36B* | 0.068 | 19 1/2 | 31 | 19 | 18 1/4 | 18 | 45 | 58 | N/A | 16 |
| CS36C* | 0.068 | 19 1/2 | 31 | 23 | 18 1/4 | 22 | 47 | 61 | N/A | 12 |
| CS36D* | 0.068 | 19 1/2 | 31 | 19 | 18 1/4 | 18 | 78 | 100 | N/A | 16 |
| CS42A* | 0.074 | 19 1/2 | 31 | 19 | 18 1/4 | 18 | 52 | 66 | N/A | 16 |
| CS42B* | 0.074 | 19 1/2 | 31 | 23 | 18 1/4 | 22 | 55 | 71 | N/A | 16 |
| CS42C* | 0.074 | 19 1/2 | 31 | 25 | 18 1/4 | 24 | 52 | 66 | N/A | 12 |
| CS48A* | 0.08 | 19 1/2 | 31 | 23 | 18 1/4 | 22 | 63 | 81 | N/A | 12 |
| CS48B* | 0.08 | 19 1/2 | 31 | 25 | 18 1/4 | 24 | 60 | 78 | N/A | 12 |
| CS48C* | 0.08 | 19 1/2 | 31 | 25 | 18 1/4 | 24 | 78 | 100 | 128 | 12 |
| CS60A* | 0.089 | 19 1/2 | 31 | 23 | 18 1/4 | 22 | 103 | 132 | N/A | 12 |
| CS60B* | 0.089 | 19 1/2 | 31 | 25 | 18 1/4 | 24 | 104 | 133 | 171 | 12 |

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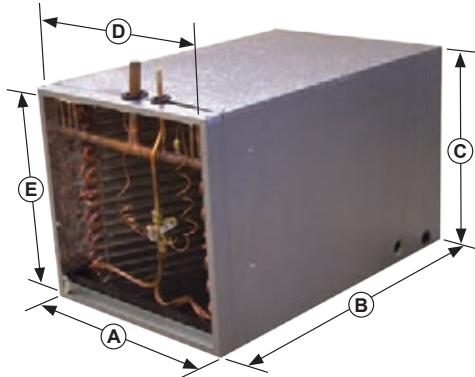
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PRODUCT DIMENSIONS & SPECIFICATIONS

**DX-TREME CT SERIES
DEDICATED HORIZONTAL COILS**



STANDARD SPECIFICATIONS

- Rifled copper tubing, enhanced aluminum fins.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- Liquid line - 3/8" ODS, suction line - 3/4" ODS on 1-1/2- 3 ton & 7/8" ODS on 3-1/2 - 5 ton.
- Inlet and outlet dimensions are identical (without end caps).
- Externally mounted flowrate body with Schrader valve for hiss-testing or internally mounted factory-installed TXV.
- Refrigerant lines exit from the top of the coil.
- Split access doors on top of the coil for easy service.
- Embossed galvanized cabinets standard.
- Top, bottom, and side flanges for furnace connection
- Fully insulated cabinets with faced insulation.
- Heavy duty plastic drain pan with four 3/4" FPT condensate drains (two per side).
- AHRI certifiable with all brands of A/C and heat pump systems.
- ETL listed for use with R-22 and R-410a when proper metering device is used.
- Ten-year limited warranty with registration

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

| COIL MODEL | R410a PISTON SIZE | DIMENSIONS | | | | | SHIPPING INFORMATION | | | |
|------------|-------------------|-------------------|-------------------|--------------------|------------------|-------------------|-----------------------|-------|-------|----------|
| | | Cabinet Width [A] | Cabinet Depth [B] | Cabinet Height [C] | Inside Width [D] | Inside Height [E] | SHIPPING WEIGHT (LBS) | | | SKID QTY |
| | | | | | | | 2 ROW | 3 ROW | 4 ROW | |
| CT24A* | 0.055 | 21 1/4 | 31 | 15 | 20 1/4 | 14 | 35 | 45 | N/A | 16 |
| CT24B* | 0.055 | 21 1/4 | 31 | 19 | 20 1/4 | 18 | 39 | 50 | N/A | 16 |
| CT24C* | 0.055 | 21 1/4 | 31 | 23 | 20 1/4 | 22 | 47 | 61 | N/A | 16 |
| CT30A* | 0.059 | 21 1/4 | 31 | 15 | 20 1/4 | 14 | 40 | 52 | N/A | 16 |
| CT30B* | 0.059 | 21 1/4 | 31 | 19 | 20 1/4 | 18 | 39 | 50 | N/A | 16 |
| CT30C* | 0.059 | 21 1/4 | 31 | 23 | 20 1/4 | 22 | 47 | 61 | N/A | 16 |
| CT36A* | 0.068 | 21 1/4 | 31 | 15 | 20 1/4 | 14 | 45 | 58 | N/A | 16 |
| CT36B* | 0.068 | 21 1/4 | 31 | 19 | 20 1/4 | 18 | 45 | 58 | N/A | 16 |
| CT36C* | 0.068 | 21 1/4 | 31 | 23 | 20 1/4 | 22 | 47 | 61 | N/A | 12 |
| CT36D* | 0.068 | 21 1/4 | 31 | 19 | 20 1/4 | 18 | 78 | 100 | N/A | 16 |
| CT42A* | 0.074 | 21 1/4 | 31 | 19 | 20 1/4 | 18 | 52 | 66 | N/A | 16 |
| CT42B* | 0.074 | 21 1/4 | 31 | 23 | 20 1/4 | 22 | 55 | 71 | N/A | 16 |
| CT42C* | 0.074 | 21 1/4 | 31 | 25 | 20 1/4 | 24 | 52 | 66 | N/A | 12 |
| CT48A* | 0.08 | 21 1/4 | 31 | 23 | 20 1/4 | 22 | 63 | 81 | N/A | 12 |
| CT48B* | 0.08 | 21 1/4 | 31 | 25 | 20 1/4 | 24 | 60 | 78 | N/A | 12 |
| CT48C* | 0.08 | 21 1/4 | 31 | 25 | 20 1/4 | 24 | 78 | 100 | 128 | 12 |
| CT60A* | 0.089 | 21 1/4 | 31 | 23 | 20 1/4 | 22 | 103 | 132 | N/A | 12 |
| CT60B* | 0.089 | 21 1/4 | 31 | 25 | 20 1/4 | 24 | 104 | 133 | 171 | 12 |

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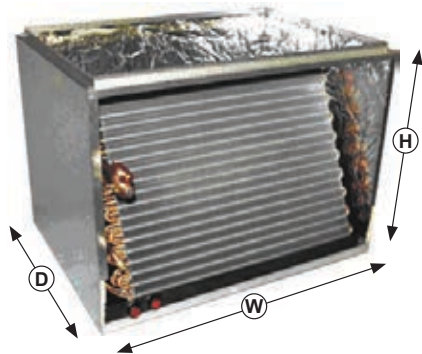
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PRODUCT DIMENSIONS & SPECIFICATIONS

DX-TREME CC SERIES LIGHT COMMERCIAL CASED UPFLOW COILS



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

STANDARD SPECIFICATIONS

- Riffed copper tubing, aluminum fins.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- 3/4" FPT plumbing connections
- Left-hand refrigerant and plumbing connections.
- Factory-mounted TXV (R-410a - AC & HP compatible, R22 - AC only).
- Powder-painted galvanized steel drain pans. Stainless available.
- Embossed galvanized cabinets standard. Cabinets feature furnace connectors (patent pending).
- Upflow only. (Slab horizontal coils also available.)
- Split access doors in front for easy service.
- Fully insulated cabinets with faced insulation.
- Five-year limited warranty.
- ETL listed for use with R410a when proper metering device is used.

LIGHT COMMERCIAL COILS

| COIL MODEL | DIMENSIONS | | | | SUCTION LINE | LIQUID LINE | SHIPPING INFORMATION | |
|-----------------------------|--------------------|-----------|--------------------|---------------------|--------------|-------------|-----------------------|----------|
| | CABINET WIDTH [W]" | | CABINET DEPTH [D]" | CABINET HEIGHT [H]" | | | SHIPPING WEIGHT (LBS) | SKID QTY |
| | MIN WIDTH | MAX WIDTH | | | | | | |
| SINGLE CIRCUIT COILS | | | | | | | | |
| CC072A34-XXXX-000 | 30 | 36 | 21-1/2 | 22 | 7/8 | 3/8 | 84 | 4 |
| CC072B34-XXXX-000 | 36 | 42 | 21-1/2 | 22 | 7/8 | 3/8 | 105 | 4 |
| CC072C34-XXXX-000 | 42 | 48 | 21-1/2 | 22 | 7/8 | 3/8 | 126 | 4 |
| CC090A34-XXXX-000 | 36 | 42 | 21-1/2 | 22 | 1-1/8 | 1/2 | 105 | 4 |
| CC090B34-XXXX-000 | 42 | 48 | 21-1/2 | 22 | 1-1/8 | 1/2 | 126 | 4 |
| CC090C34-XXXX-000 | 48 | 54 | 21-1/2 | 22 | 1-1/8 | 1/2 | 147 | 4 |
| CC120A34-XXXX-000 | 36 | 42 | 21-1/2 | 22 | 1-1/8 | 1/2 | 105 | 4 |
| CC120B34-XXXX-000 | 42 | 48 | 21-1/2 | 22 | 1-1/8 | 1/2 | 126 | 4 |
| CC120C34-XXXX-000 | 48 | 54 | 21-1/2 | 22 | 1-1/8 | 1/2 | 147 | 4 |
| DOUBLE CIRCUIT COILS | | | | | | | | |
| CC072A44-XXXX-120 | 30 | 36 | 21-1/2 | 22 | 7/8 | 3/8 | 103 | 4 |
| CC072B44-XXXX-120 | 36 | 42 | 21-1/2 | 22 | 7/8 | 3/8 | 128 | 4 |
| CC072C44-XXXX-120 | 42 | 48 | 21-1/2 | 22 | 7/8 | 3/8 | 154 | 4 |
| CC090A44-XXXX-120 | 36 | 42 | 21-1/2 | 22 | 1-1/8 | 1/2 | 128 | 4 |
| CC090B44-XXXX-120 | 42 | 48 | 21-1/2 | 22 | 1-1/8 | 1/2 | 154 | 4 |
| CC090C44-XXXX-120 | 48 | 54 | 21-1/2 | 22 | 1-1/8 | 1/2 | 180 | 4 |
| CC120A44-XXXX-120 | 36 | 42 | 21-1/2 | 22 | 1-1/8 | 1/2 | 128 | 4 |
| CC120B44-XXXX-120 | 42 | 48 | 21-1/2 | 22 | 1-1/8 | 1/2 | 154 | 4 |
| CC120C44-XXXX-120 | 48 | 54 | 21-1/2 | 22 | 1-1/8 | 1/2 | 180 | 4 |

Notes: Slabs are oriented with delta plates facing the side walls of the cabinet. Refrigerant and plumbing connections exit cabinet front. Top duct opening size can be obtained by subtracting 1-1/2 from width or depth. Bottom duct opening size can be obtained by subtracting 3/4 from width or depth.

| Dual Circuit Commercial Coils | Single Circuit R22 TXV | Single Circuit R410A TXV | Dual Circuit Use 2 R22 TXV | Dual Circuit Use 2 R410A TXV |
|-------------------------------|------------------------|--------------------------|----------------------------|------------------------------|
| CC72**[*] | (X) 4195 | (4) 4202 | (X) 4190 | (4) 4200 |
| CC90**[*] | (X) 3946 | (4) 3947+3948 | (X) 4195 | (4) 4202 |
| CC120**[*] | (X) 3940 | (4) 3947+3948 | (X) 4195 | (4) 4202 |

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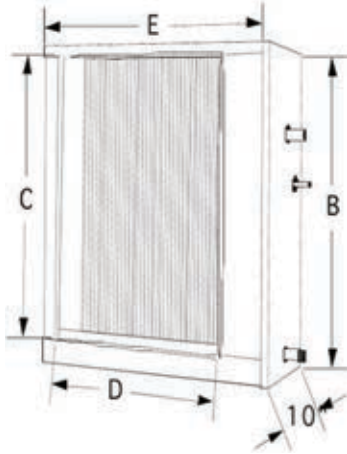
* For complete warranty details visit www.aspenmfg.com.

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PRODUCT DIMENSIONS & SPECIFICATIONS



BH LIGHT COMMERCIAL SLAB HORIZONTAL COILS SINGLE OR SPLIT CIRCUIT



GENERAL SPECIFICATIONS

- Standard refrigerant connections: liquid line - 3/8" ODS, suction line - 7/8" ODS
- One 3/4" MPT condensate drain.
- Powder-painted galvanized steel drain pan. Stainless available.
- Five-year limited warranty.
- Factory installed 20% bleed port TXV[s] standard. (see note for TXV options)
- Single circuit. Dual circuitry available.
- Dual circuit coils can be split top-to-bottom or interfaced.
- Front access panel for easy service.
- Every coil immersion-tested at 450 psi, then nitrogen-pressurized and sealed.
- Heavy gauge embossed galvanized cabinets fully lined with 1/2" faced insulation.
- Rifled copper tubing, enhanced aluminum fins.
- ETL listed.

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

| COIL MODEL | DIMENSIONS | | | |
|------------------|-------------|---------|------|-------------|
| | HEIGHT (B)" | OPENING | | LENGTH (E)" |
| | | (C)" | (D)" | |
| BHA24 36+X* | 23-1/2 | 21 | 24 | 29-1/2 |
| BHA40 48+X* | 23-1/2 | 21 | 29 | 34-1/2 |
| BHA40 60+X* | 25 | 21 | 29 | 34-1/2 |
| BH132 72+X* | 25-1/2 | 21 | 36 | 41-1/2 |
| BH332 72+X* | 25-1/2 | 21 | 42 | 47-1/2 |
| BH132 90+X* | 25-1/2 | 21 | 42 | 47-1/2 |
| BH332 90+X* | 25-1/2 | 21 | 45 | 50-1/2 |
| BH132 120+X* | 25-1/2 | 21 | 42 | 47-1/2 |
| BH332 120+X* | 25-1/2 | 21 | 45 | 50-1/2 |
| BHA24 36+X* SPL | 23-1/2 | 21 | 24 | 29-1/2 |
| BHA40 48+X* SPL | 23-1/2 | 21 | 29 | 34-1/2 |
| BHA40 60+X* SPL | 25 | 21 | 29 | 34-1/2 |
| BH140 72+X* SPL | 25-1/2 | 21 | 36 | 41-1/2 |
| BH340 72+X* SPL | 25-1/2 | 21 | 42 | 47-1/2 |
| BH140 90+X* SPL | 25-1/2 | 21 | 42 | 47-1/2 |
| BH340 90+X* SPL | 25-1/2 | 21 | 45 | 50-1/2 |
| BH140 120+X* SPL | 25-1/2 | 21 | 42 | 47-1/2 |
| BH340 120+X* SPL | 25-1/2 | 21 | 45 | 50-1/2 |

TXV offering (factory installed): Order X4 for R410 or X1 for R22

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A Series DX-treme Air Handler Nomenclature

Effective 8/01/06. Revised 8/29/13

A A M 18 G -001

①

②

③

④

⑤

⑥

⑥ Option Code

⑤ Metering device

4 = non-bleed A/C or H/P R410 TXV
6 = 20% bleed A/C or H/P R410 TXV
B = 20% bleed A/C or H/P R22 TXV
F = R-22 Flo-rater
G = R-410A Flo-rater
X = non-bleed A/C or H/P R22 TXV

④ Nominal tonnage (MBTUH)

③ Configuration

C = Ceiling Mount (End Discharge)
L = Multi-Position Electric Furnace
M = Multi-Position
N = Manufactured Home
W = Wall Mount

② Voltage

A = 240V PSC Motor
B = 120V PSC Motor
E = 240V Constant Torque ECM
F = 120V Constant Torque ECM

① A = Air Handler

AIR HANDLERS

Electric Heat Kit Nomenclature

Effective 8/01/06. Revised 8/29/13

E **C** **S** **10**
① ② ③ ④

- ④ **Heat Strip**
 - 00 = NO Heat
 - 03 = 3 KW
 - 05 = 5 KW
 - 06 = 6 KW
 - 08 = 8 KW
 - 10 = 10 KW
 - 12 = 12 KW (3-phase Circuit Only)
 - 15 = 15 KW
 - 20 = 20 KW
 - 24 = 24 KW (3-phase Circuit Only)
 - 25 = 25 KW
 - 30 = 30 KW
- ③ **L = Large Cabinet (42-61)**
S = Small Cabinet (18-36)
- ② **Power Connection**
 - 3 = 3-phase Circuit Breaker
 - 4 = 3-phase Terminal Block
 - C = Circuit Breaker
 - P = Circuit Breaker W/Single Point Block
 - T = Terminal Block
- ① **E = Electric Heat Kit**
 - E = Fits AAM, AEM Series
 - F = Fits AAW, AEW
 - G = Fits AAC, AEC

Hydronic Heat Kit Nomenclature

Revised 3/2/16

W **C** **2** **S** **P**
① ② ③ ④ ⑤

- ⑤ **Pump**
 - L = Less Pump and Check Valve
 - P = with Standard Pump and Check Valve
 - R = with 009 High Pressure Drop Pump
 - 8 = with 008 High Pressure Drop Pump
- ④ **Coil Dimensions**
 - L = Fits Large Chassis (42, 48, 60, 61)
 - S = Fits Small Chassis (18, 24, 30, 36)
- ③ **Hydronic Coil Rows**
 - 2
 - 3
 - 4
- ② **Power Connection**
 - 3 = 3-phase Circuit Breaker
 - C = Circuit Breaker
 - T = Terminal Block
- ① **W = Hydronic Heat Kit**
 - W = Fits ABM, AFM Series
 - U = Fits ABW, AFW
 - Y = Fits ABC*, AFC*



PRODUCT DIMENSIONS & SPECIFICATIONS

AAC SERIES CEILING MOUNT ELECTRIC HEAT DX COOL AIR HANDLERS

AAC
AIR HANDLERS

STANDARD FEATURES

APPLICATION VERSATILITY

Built in mounting tabs for ceiling or furrdown mounting. Louvered ceiling access panel has separate frame that attaches to ceiling joists. Solid access panel available for use with end return installations. 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.

CABINET

Sturdy, fully insulated galvanized steel cabinet with painted front panels.

ELECTRICAL CONTROLS

Units available with either circuit breakers or terminal blocks. Controls easily accessible from the front for easy service. Fan time delay relay standard for increased efficiency. Electrical connections can be made from the top, left, or right.

ELECTRIC HEATERS

Models with electric heat include sequencers and temperature limit switches for safe, efficient operation.

BLOWER

Direct drive multi-speed blowers circulate air quietly and efficiently. 2-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.

ELECTRONIC CIRCUIT BOARD

Electronic circuit board provides 30 secs ON/OFF blower time delay extracting more heat/cool from the coil.

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. Primary & secondary condensate drain. All drain connections are 3/4" MPT. Access door allows for coil cleaning.

WARRANTY

Five-year limited parts warranty.

OPTIONS

See options menu.



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



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HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| MODEL | HEAT KIT | PERFORMANCE DATA | | | | | ELECTRICAL DATA | | | |
|-------|-----------|------------------------|--------------|------|--------------------------|------|----------------------|------|-----------------------------|------|
| | | NOMINAL COOLING (TONS) | HEATING [KW] | | HEATING CAPACITY [MBTUH] | | MIN-CIRCUIT AMPACITY | | MAX FUSE OR CIRCUIT BREAKER | |
| | | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V |
| AAC18 | G[C,T]S00 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 3.2 | 15.0 | 15.0 |
| | G[C,T]S03 | | 2.3 | 3.0 | 7.8 | 10.2 | 17.0 | 18.8 | 20.0 | 25.0 |
| | G[C,T]S05 | | 3.8 | 5.0 | 12.6 | 16.7 | 25.4 | 28.7 | 30.0 | 35.0 |
| | G[C,T]S08 | | 6.0 | 8.0 | 20.8 | 27.3 | 39.8 | 44.8 | 45.0 | 50.0 |
| | G[C,T]S10 | | 7.5 | 10.0 | 25.6 | 33.4 | 48.2 | 54.2 | 55.0 | 60.0 |
| AAC24 | G[C,T]S00 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 3.2 | 15.0 | 15.0 |
| | G[C,T]S03 | | 2.3 | 3.0 | 7.8 | 10.2 | 17.0 | 18.8 | 20.0 | 25.0 |
| | G[C,T]S05 | | 3.8 | 5.0 | 12.6 | 16.7 | 25.4 | 28.7 | 30.0 | 35.0 |
| | G[C,T]S08 | | 6.0 | 8.0 | 20.8 | 27.3 | 39.8 | 44.8 | 45.0 | 50.0 |
| | G[C,T]S10 | | 7.5 | 10.0 | 25.6 | 33.4 | 48.2 | 54.2 | 55.0 | 60.0 |
| AAC30 | G[C,T]S00 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 5.9 | 15.0 | 15.0 |
| | G[C,T]S03 | | 2.3 | 3.0 | 7.8 | 10.2 | 19.7 | 21.5 | 20.0 | 25.0 |
| | G[C,T]S05 | | 3.8 | 5.0 | 12.6 | 16.7 | 28.1 | 31.4 | 30.0 | 35.0 |
| | G[C,T]S08 | | 6.0 | 8.0 | 20.8 | 27.3 | 42.5 | 47.5 | 45.0 | 50.0 |
| | G[C,T]S10 | | 7.5 | 10.0 | 25.6 | 33.4 | 50.9 | 56.9 | 55.0 | 60.0 |
| AAC36 | G[C,T]S00 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 5.9 | 15.0 | 15.0 |
| | G[C,T]S03 | | 2.3 | 3.0 | 7.8 | 10.2 | 19.7 | 21.5 | 20.0 | 25.0 |
| | G[C,T]S05 | | 3.8 | 5.0 | 12.6 | 16.7 | 28.1 | 31.4 | 30.0 | 35.0 |
| | G[C,T]S08 | | 6.0 | 8.0 | 20.8 | 27.3 | 42.5 | 47.5 | 45.0 | 50.0 |
| | G[C,T]S10 | | 7.5 | 10.0 | 25.6 | 33.4 | 50.9 | 56.9 | 55.0 | 60.0 |

BLOWER DATA

| MODELS | MOTOR HP | MOTOR VOLTAGE | SPEED TAP | CFM V. EXTERNAL STATIC * † | | | | |
|----------------|----------|---------------|-----------|----------------------------|------|------|------|------|
| | | | | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 |
| AAC18 & AAC24 | 1/5 | 240 | LOW | 890 | 850 | 820 | 790 | 760 |
| | | | HIGH | 1020 | 990 | 975 | 939 | 890 |
| AAC30 & AAC 36 | 1/3 | 240 | LOW | 1115 | 1070 | 1010 | 960 | 900 |
| | | | HIGH | 1230 | 1170 | 1120 | 1050 | 980 |

* Dry coil with filter, † For 208V multiply by 0.90

AIR HANDLER CHASSIS NOMENCLATURE

| AAC | 18 | 4 | -001 |
|---------------------------------------|-------------------------|---|-------------|
| AAC = 240V PSC Motor Ceiling Mount | 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

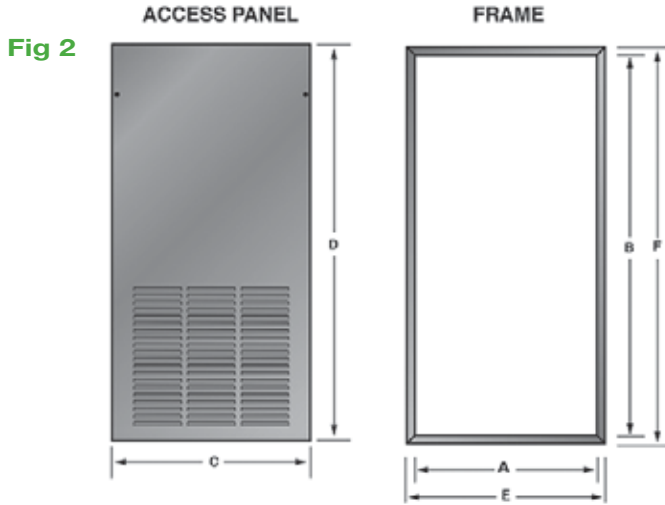
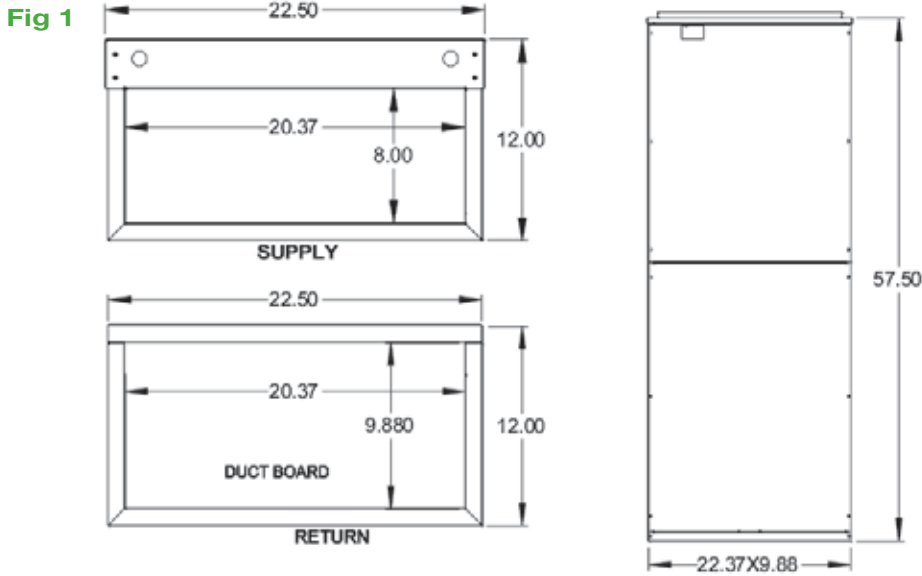
| G | C | S | 03 |
|-------------------------------|---|-------------|--|
| Ceiling mount - electric heat | C = Circuit breaker T = Terminal block | S = 18 - 37 | Heat strip 03 = 3 KW 05 = 5 KW 08 = 8 KW 10 = 10KW |

AAC

AIR HANDLERS

| INSTALLATION CLEARANCES | | |
|-------------------------|-----------|---------|
| | OPERATION | SERVICE |
| TOP | 0" | 0" |
| FRONT | 0" | 30" |
| SIDES | 0" | 0" |
| REAR | 0" | 0" |

| SPECIFICATIONS | | | |
|----------------|-------------|-------------------|----------|
| MODEL | PISTON SIZE | SHIP WEIGHT (LBS) | SKID QTY |
| AAC18 | 0.049 | 91 | 6 |
| AAC24 | 0.055 | 91 | 6 |
| AAC30 | 0.059 | 100 | 6 |
| AAC36 | 0.068 | 100 | 6 |



| ACCESS DOOR DIMENSIONS AND SPECIFICATIONS (Fig 2) | | | | | | | | |
|---|--------------|--------------|----|-----------------|----|-----------------|--------|-------------|
| PANEL MODEL | FOR USE WITH | OPENING SIZE | | PANEL DIMENSION | | FRAME DIMENSION | | # OF PANELS |
| | | A | B | C | D | E | F | |
| CAD-4(S/L) | AAC | 22-3/4 | 58 | 24-3/4 | 60 | 24-5/8 | 59-7/8 | 2 |



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PRODUCT DIMENSIONS & SPECIFICATIONS

AAL SERIES MULTI-POSITION ELECTRIC FURNACE

STANDARD FEATURES

APPLICATION VERSATILITY

Upflow or horizontal left as shipped (field convertible for downflow or horizontal right)

CABINET

Sturdy, low profile galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available with 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.

BLOWER

Direct drive multi-speed blowers circulate air quietly and efficiently and 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.

WARRANTY

Five-year limited parts warranty.

OPTIONS

See options menu.



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



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HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| MODEL | HEAT KIT | PERFORMANCE DATA | | | | ELECTRICAL DATA | | | | | | | |
|-------|-----------|------------------------|--------------|------|--------------------------|-----------------|-----------------|----------------|------------------------------|----------------|-----------------------------|----------|--|
| | | NOMINAL COOLING (TONS) | HEATING (KW) | | HEATING CAPACITY (MBTUH) | | TOTAL UNIT AMPS | | MCA MINIMUM CIRCUIT AMPACITY | | MAX FUSE OR CIRCUIT BREAKER | | |
| | | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V | |
| AALS | E(C,T)S00 | 1.5 & 2 | 0 | 0 | 0 | 0 | 1.26 | 1.4 | 1.575 | 1.75 | 15 | 15 | |
| | E(C,T)S03 | | 2.3 | 3 | 7.8 | 10.2 | 12.5 | 13.9 | 15.6 | 17.4 | 20.0 | 20.0 | |
| | E(C,T)S05 | | 3.7 | 4.9 | 12.6 | 16.7 | 19.2 | 21.8 | 24.0 | 27.3 | 25.0 | 30.0 | |
| | E(C,T)S08 | | 6.1 | 8 | 20.8 | 27.3 | 30.7 | 34.7 | 38.4 | 43.4 | 45.0 | 50.0 | |
| | E(C,T)S10 | | 7.5 | 9.8 | 25.6 | 33.4 | 37.5 | 42.2 | 46.8 | 52.8 | 50.0 | 55.0 | |
| AALM | E(C,T)S00 | 2.5 & 3 | 0 | 0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.8 | 1.8 | 15.0 | 15.0 | |
| | E(C,T)S03 | | 2.3 | 3 | 7.8 | 10.2 | 13.7 | 15.1 | 17.1 | 18.9 | 20.0 | 20.0 | |
| | E(C,T)S05 | | 3.7 | 4.9 | 12.6 | 16.7 | 20.4 | 23.0 | 25.5 | 28.8 | 30.0 | 30.0 | |
| | E(C,T)S08 | | 6.1 | 8 | 20.8 | 27.3 | 31.9 | 35.9 | 39.9 | 44.9 | 40.0 | 45.0 | |
| | E(C,T)S10 | | 7.5 | 9.8 | 25.6 | 33.4 | 38.7 | 44.3 | 48.3 | 55.4 | 60.0 | 60.0 | |
| | E(C,T)S15 | | 11.1 | 14.7 | 37.9 | 50.2 | 38.7/17.8 | 44.3/20.8 | 48.3/22.9 | 54.3/26.2 | 60/30 | 60/30 | |
| AALL | E(C,T)L00 | 3.5, 4 & 5 | 0 | 0 | 0.0 | 0.0 | 2.6 | 2.6 | 3.3 | 3.3 | 15.0 | 15.0 | |
| | E(C,T)L08 | | 6.1 | 8 | 20.8 | 27.3 | 33.7 | 37.7 | 42.2 | 47.2 | 45.0 | 50.0 | |
| | E(C,T)L10 | | 7.5 | 9.8 | 25.6 | 33.4 | 40.5 | 45.2 | 50.6 | 56.5 | 55.0 | 60.0 | |
| | E(C,T)L15 | | 11.1 | 14.7 | 37.9 | 50.2 | 41.1/18.3 | 46.3/20.8 | 51.4/22.8 | 58/26 | 50/25 | 60/30 | |
| | E(C,T)L20 | | 14.8 | 19.6 | 50.5 | 66.9 | 41.1/36.5 | 46.3/41.7 | 51.4/45.7 | 57.8/52.1 | 60/60 | 60/60 | |
| | E(C,T)L25 | | 18.5 | 24.5 | 63.1 | 83.6 | 41.1/36.5/18.3 | 46.3/41.7/20.8 | 51.4/45.7/22.8 | 57.8/52.1/26 | 60/60/30 | 60/60/30 | |
| | E(C,T)L30 | | 22.2 | 29.4 | 75.8 | 100.3 | 41.1/36.5/36.5 | 46.3/41.7/41.7 | 51.4/45.7/45.7 | 51.4/52.1/52.1 | 60/60/60 | 60/60/60 | |

208/240V – 3 PHASE CIRCUIT BREAKER

| MODEL | HEAT KIT | PERFORMANCE DATA | | | | ELECTRICAL DATA | | | | |
|-------|-----------|------------------------|--------------|------|--------------------------|-----------------|----------------------|-------|-----------------------------|-------|
| | | NOMINAL COOLING (TONS) | HEATING (KW) | | HEATING CAPACITY (MBTUH) | | MIN-CIRCUIT AMPACITY | | MAX FUSE OR CIRCUIT BREAKER | |
| | | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V |
| AALL | E(3,4)L12 | 3.5, 4 & 5 | 9.0 | 12.0 | 30.7 | 40.9 | 36.0 | 42.0 | 40.0 | 50.0 |
| | E(3,4)L15 | | 11.3 | 15.0 | 38.4 | 51.2 | 44.0 | 50.0 | 50.0 | 50.0 |
| | E(3,4)L24 | | 18.0 | 24.0 | 61.4 | 81.9 | 55 | 50/45 | 60 | 50/40 |
| | E(3,4)L30 | | 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 |
| | | | | | AALS | LOW | 1/5 | 1.8 | 240 |
| HIGH | 1/5 | 960 | 920 | 880 | | 830 | 770 | | |
| AALM | LOW | 1/3 | 2.6 | 240 | 1130 | 1100 | 1050 | 1000 | 950 |
| | HIGH | 1/3 | | | 1410 | 1350 | 1280 | 1200 | 1120 |
| AALL | LOW | 3/4 | 4.4 | 240 | 1520 | 1500 | 1490 | 1460 | 1440 |
| | MEDIUM | 3/4 | | | 1700 | 1680 | 1650 | 1620 | 1580 |
| | HIGH | 3/4 | | | 2060 | 2030 | 1990 | 1940 | 1890 |

*Dry coil with filter in place. CFM is based on a 3 row coil. For approximate CFM with a 4 row coil multiply CFM by .96

AAL

AIR HANDLERS

AIR HANDLER CHASSIS NOMENCLATURE

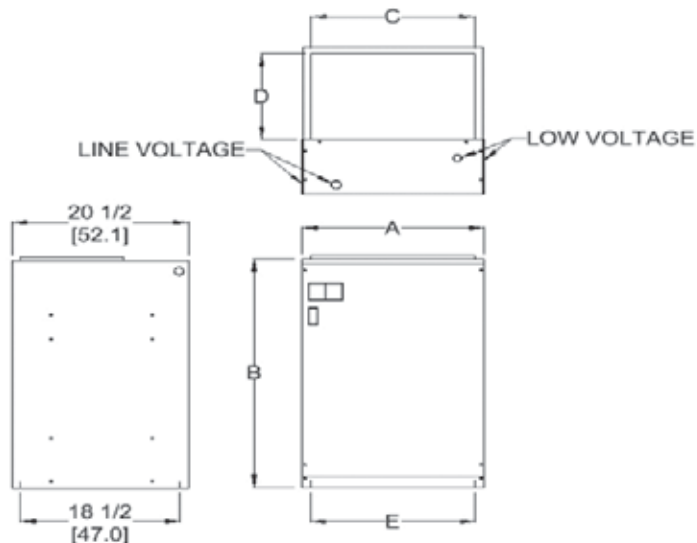
| AAL | S | -001 |
|--|---|-------------|
| AAL = 240V PSC Motor Multi-Position Electric Furnace | S = 18 & 24 M = 30 & 36 L = 42, 48 & 60 | Option Code |

ELECTRIC HEAT KIT NOMENCLATURE

| E | C | S | 03 |
|---------------|--|------------------------|---|
| Electric Heat | <p>Interruption</p> <p>C = Circuit Breaker T = Terminal Block P = Single Point Hookup 3 = 3-Phase Circuit Breaker 4 = 3-Phase Terminal Block</p> | S = 18-36 L = 42-60 | <p>Heat Strip</p> <p>03 = 3 KW 05 = 5 KW 06 = 6 KW 08 = 8 KW 10 = 10 KW 12 = 12 KW 15 = 15 KW 20 = 20 KW 24 = 24 KW 25 = 25 KW 30 = 30 KW</p> |

DIMENSIONS AND SPECIFICATIONS

| MODEL | WIDTH A" | HEIGHT B" | DUCT OPENING | | BOTTOM OPENING | FILTER SIZE | SHIP WEIGHT (LBS) | SKID QTY |
|-------|-------------|--------------|--------------|--------|-------------------|----------------|-------------------------|-------------|
| | | | C" | D" | E" | | | |
| AALS | 21 | 26 | 18-3/4 | 12 | 18-1/2 | 16X20 | 69 | 8 |
| AALM | 21 | 26 | 18-3/4 | 12 | 18-1/2 | 16X20 | 78 | 8 |
| AALL | 24-1/2 | 32 | 22-1/4 | 10-1/2 | 22 | 20x20 | 89 | 8 |



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PRODUCT DIMENSIONS & SPECIFICATIONS

AAM SERIES MULTI-POSITION ELECTRIC HEAT DX COOL 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.

CABINET

Sturdy, galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack.

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.

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.

AAM AIR HANDLERS

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* For complete warranty details visit www.aspenmfg.com.

Revised 01/11/17. In keeping with its policy of continuous progress and product improvement, Aspen reserves the right to make changes without notice and incurring obligation. © 2017

HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| MODEL | HEAT KIT | HEATING CAPACITY (MBTUH) | | TOTAL UNIT MCA | | MIN FUSE SIZE | | MAX FUSE OR CIR BKR | |
|-------------|-----------|--------------------------|----------|----------------|----------|---------------|----------|---------------------|----------|
| | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V |
| AAM 18/19+ | E[C,T]S00 | 0.0 | 0.0 | 1.6 | 1.8 | 3.2 | 3.2 | 15.0 | 15.0 |
| | E[C,T]S03 | 7.8 | 10.2 | 15.6 | 17.4 | 17.0 | 18.8 | 20.0 | 20.0 |
| | E[C,T]S05 | 13.0 | 17.1 | 24.6 | 27.8 | 26.0 | 29.2 | 30.0 | 35.0 |
| | E[C,T]S06 | 15.4 | 20.5 | 28.8 | 33.0 | 30.2 | 34.4 | 35.0 | 40.0 |
| | E[C,T]S08 | 20.8 | 27.3 | 38.4 | 43.4 | 39.8 | 44.8 | 45.0 | 50.0 |
| | E[C,T]S10 | 25.9 | 34.1 | 47.4 | 53.8 | 48.8 | 55.2 | 60.0 | 60.0 |
| AAM 24/25 + | E[C,T]S00 | 0.0 | 0.0 | 1.6 | 1.8 | 3.2 | 3.2 | 15.0 | 15.0 |
| | E[C,T]S03 | 7.8 | 10.2 | 15.6 | 17.4 | 17.0 | 18.8 | 20.0 | 20.0 |
| | E[C,T]S05 | 13.0 | 17.1 | 24.6 | 27.8 | 26.0 | 29.2 | 30.0 | 35.0 |
| | E[C,T]S06 | 15.4 | 20.5 | 28.8 | 33.0 | 30.2 | 34.4 | 35.0 | 40.0 |
| | E[C,T]S08 | 20.8 | 27.3 | 38.4 | 43.4 | 39.8 | 44.8 | 45.0 | 50.0 |
| | E[C,T]S10 | 25.9 | 34.1 | 47.4 | 53.8 | 48.8 | 55.2 | 60.0 | 60.0 |
| AAM 30/31 + | E[C,T]S00 | 0.0 | 0.0 | 2.9 | 3.3 | 5.9 | 5.9 | 15.0 | 15.0 |
| | E[C,T]S03 | 7.8 | 10.2 | 17.1 | 18.9 | 19.7 | 21.5 | 20.0 | 20.0 |
| | E[C,T]S05 | 13.0 | 17.1 | 26.1 | 29.3 | 28.7 | 31.9 | 30.0 | 35.0 |
| | E[C,T]S06 | 15.4 | 20.5 | 30.3 | 34.5 | 32.9 | 37.1 | 35.0 | 40.0 |
| | E[C,T]S08 | 20.8 | 27.3 | 39.9 | 44.9 | 42.5 | 47.5 | 45.0 | 50.0 |
| | E[C,T]S10 | 25.9 | 34.1 | 47.1 | 53.3 | 51.5 | 57.9 | 60.0 | 60.0 |
| | E[C,T]S15 | 38.6 | 51.2 | 48/23 | 56/27 | 50/25 | 60/30 | 50/25 | 60/30 |
| AAM 36/37 + | E[C,T]S00 | 0.0 | 0.0 | 2.9 | 3.3 | 5.9 | 5.9 | 30.0 | 35.0 |
| | E[C,T]S03 | 7.8 | 10.2 | 17.1 | 18.9 | 19.7 | 21.5 | 35.0 | 40.0 |
| | E[C,T]S05 | 13.0 | 17.1 | 26.1 | 29.3 | 28.7 | 31.9 | 45.0 | 50.0 |
| | E[C,T]S06 | 15.4 | 20.5 | 30.3 | 34.5 | 32.9 | 37.1 | 60.0 | 60.0 |
| | E[C,T]S08 | 20.8 | 27.3 | 39.9 | 44.9 | 42.5 | 47.5 | 45.0 | 50.0 |
| | E[C,T]S10 | 25.9 | 34.1 | 48.9 | 55.3 | 51.5 | 57.9 | 50.0 | 55.0 |
| | E[C,T]S15 | 38.6 | 51.2 | 48/23 | 56/27 | 50/25 | 60/30 | 50/25 | 60/30 |
| AAM 42/43 + | E[C,T]L00 | 0.0 | 0.0 | 5.0 | 5.5 | 9.9 | 9.9 | 15.0 | 15.0 |
| | E[C,T]L03 | 7.8 | 10.2 | 19.3 | 21.1 | 23.7 | 25.5 | 25.0 | 30.0 |
| | E[C,T]L05 | 13.0 | 17.1 | 28.3 | 31.5 | 32.7 | 35.9 | 35.0 | 40.0 |
| | E[C,T]L06 | 15.4 | 20.5 | 32.5 | 36.8 | 36.9 | 41.2 | 40.0 | 45.0 |
| | E[C,T]L08 | 20.8 | 27.3 | 42.2 | 47.2 | 46.6 | 51.6 | 50.0 | 60.0 |
| | E[C,T]L10 | 25.9 | 34.1 | 49.4 | 55.5 | 53.8 | 59.9 | 60.0 | 60.0 |
| | E[C,T]L15 | 38.6 | 51.2 | 48/23 | 56/27 | 50/25 | 60/30 | 50/25 | 60/30 |
| | E[C,T]L20 | 51.2 | 95.6 | 49/45 | 58/52 | 50/50 | 60/60 | 60/60 | 60/60 |
| | E[C,T]L25 | 64.2 | 85.3 | 49/45/23 | 58/52/26 | 50/50/25 | 60/60/30 | 50/50/30 | 60/60/30 |
| E[C,T]L30 | 76.8 | 102.4 | 49/45/45 | 58/52/52 | 50/50/50 | 60/60/60 | 50/50/50 | 60/60/60 | |
| AAM 48/49 + | E[C,T]L00 | 0.0 | 0.0 | 5.0 | 5.5 | 9.9 | 9.9 | 15.0 | 15.0 |
| | E[C,T]L03 | 7.8 | 10.2 | 19.3 | 21.1 | 23.7 | 25.5 | 25.0 | 30.0 |
| | E[C,T]L05 | 13.0 | 17.1 | 28.3 | 31.5 | 32.7 | 35.9 | 35.0 | 40.0 |
| | E[C,T]L06 | 15.4 | 20.5 | 32.5 | 36.8 | 36.9 | 41.2 | 40.0 | 45.0 |
| | E[C,T]L08 | 20.8 | 27.3 | 42.2 | 47.2 | 46.6 | 51.6 | 50.0 | 60.0 |
| | E[C,T]L10 | 25.9 | 34.1 | 49.4 | 55.5 | 53.8 | 59.9 | 60.0 | 60.0 |
| | E[C,T]L15 | 38.6 | 51.2 | 48/23 | 56/27 | 50/25 | 60/30 | 50/25 | 60/30 |
| | E[C,T]L20 | 51.2 | 95.6 | 49/45 | 58/52 | 50/50 | 60/60 | 60/60 | 60/60 |
| | E[C,T]L25 | 64.2 | 85.3 | 49/45/23 | 58/52/26 | 50/50/25 | 60/60/30 | 50/50/30 | 60/60/30 |
| E[C,T]L30 | 76.8 | 102.4 | 49/45/45 | 58/52/52 | 50/50/50 | 60/60/60 | 50/50/50 | 60/60/60 | |
| AAM-60/61 + | E[C,T]L00 | 0.0 | 0.0 | 5.0 | 5.5 | 9.9 | 9.9 | 15.0 | 15.0 |
| | E[C,T]L03 | 7.8 | 10.2 | 19.3 | 21.1 | 23.7 | 25.5 | 25.0 | 30.0 |
| | E[C,T]L05 | 13.0 | 17.1 | 28.3 | 31.5 | 32.7 | 35.9 | 35.0 | 40.0 |
| | E[C,T]L06 | 15.4 | 20.5 | 32.5 | 36.8 | 36.9 | 41.2 | 40.0 | 45.0 |
| | E[C,T]L08 | 20.8 | 27.3 | 42.2 | 47.2 | 46.6 | 51.6 | 50.0 | 60.0 |
| | E[C,T]L10 | 25.9 | 34.1 | 49.4 | 55.5 | 53.8 | 59.9 | 60.0 | 60.0 |
| | E[C,T]L15 | 38.6 | 51.2 | 48/23 | 56/27 | 50/25 | 60/30 | 50/25 | 60/30 |
| | E[C,T]L20 | 51.2 | 95.6 | 49/45 | 58/52 | 50/50 | 60/60 | 60/60 | 60/60 |
| | E[C,T]L25 | 64.2 | 85.3 | 49/45/23 | 58/52/26 | 50/50/25 | 60/60/30 | 50/50/30 | 60/60/30 |
| E[C,T]L30 | 76.8 | 102.4 | 49/45/45 | 58/52/52 | 50/50/50 | 60/60/60 | 50/50/50 | 60/60/60 | |

AIR HANDLERS / AAM

208/240V – 3 PHASE CIRCUIT BREAKER

| MODEL | PERFORMANCE DATA | | | | ELECTRICAL DATA | | | | |
|---------------|------------------------|--------------|------|--------------------------|-----------------|----------------------|-------|-----------------------------|-------|
| | NOMINAL COOLING (TONS) | HEATING (KW) | | HEATING CAPACITY (MBTUH) | | MIN-CIRCUIT AMPACITY | | MAX FUSE OR CIRCUIT BREAKER | |
| | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V |
| AAM42-61+E312 | 3.5, 4.0 & 5.0 | 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 | 2.8 | 240 | 835 | 800 | 790 | 750 | 695 |
| | HIGH | | | | 915 | 880 | 875 | 825 | 770 |
| AAM 30/31/36/37 | LOW | 1/3 | 5.4 | 240 | 1130 | 1100 | 1050 | 1000 | 960 |
| | HIGH | | | | 1410 | 1350 | 1280 | 1200 | 1160 |
| AAM 42/43/48/49/60/61 | LOW | 3/4 | 9.5 | 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 |

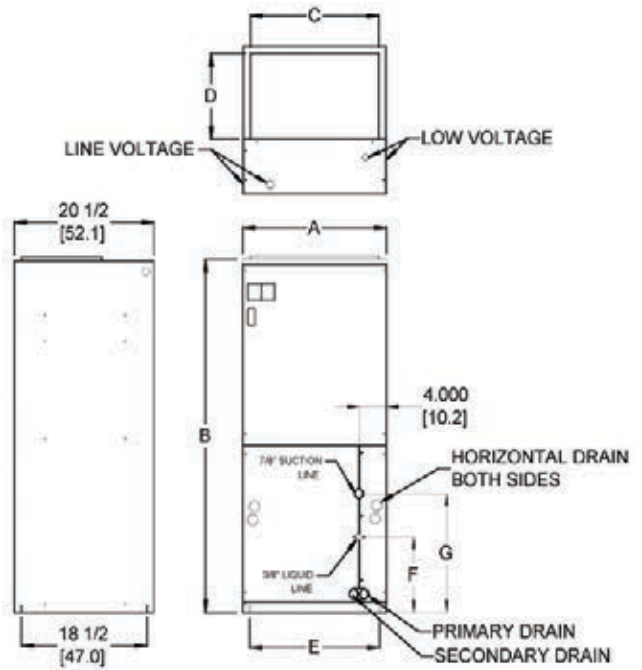
ELECTRIC HEAT KIT NOMENCLATURE

| E | C | S | 03 |
|---------------|--|------------------------|---|
| Electric Heat | <u>Interruption</u> C = Circuit Breaker T = Terminal Block P = Single Point Hookup 3 = 3-Phase Circuit Breaker 4 = 3-Phase Terminal Block | S = 18-36 L = 42-60 | <u>Heat Strip</u> 03 = 3 KW 05 = 5 KW 06 = 6 KW 08 = 8 KW 10 = 10 KW 12 = 12 KW 15 = 15 KW 20 = 20 KW 24 = 24 KW 25 = 25 KW 30 = 30 KW |

AAM AIR HANDLERS

DIMENSIONS AND SPECIFICATIONS

| MODEL | A" | B" | C" | D" | E" | F" | G" | FILTER SIZE | PISTON SIZE | SHIP WEIGHT (LBS) | SKID QTY |
|-----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|-------------|-------------|-------------------|----------|
| AAM18,19+E * | 21 [53] | 40 [102] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 7-1/4 [18] | 10-1/4 [26] | 16X20 | 0.055 | 99 | 4 |
| AAM24,25+E * | 21 [53] | 40 [102] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 8-1/4 [21] | 12-1/4 [31] | 16X20 | 0.059 | 100 | 4 |
| AAM30,31+E * | 21 [53] | 49 1/4 [125] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 8-1/4 [21] | 14-1/4 [36] | 16X20 | 0.068 | 118 | 4 |
| AAM36,37+E * | 21 [53] | 49 1/4 [125] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 10-1/4 [26] | 16-1/4 [41] | 16X20 | 0.074 | 147 | 4 |
| AAM42,43+E * | 24-1/2 [62] | 57 [145] | 22-1/4 [57] | 10-1/2 [27] | 22 [56] | 11 [28] | 16 [41] | 20X20 | 0.080 | 153 | 4 |
| AAM48,49+E * | 24-1/2 [62] | 57 [145] | 22-1/4 [57] | 10-1/2 [27] | 22 [56] | 13 [33] | 18 [46] | 20X20 | 0.084 | 180 | 4 |
| AAM60,61+E * | 24-1/2 [62] | 57 [145] | 22-1/4 [57] | 10-1/2 [27] | 22 [56] | 15 [38] | 20 [51] | 20X20 | 0.092 | 200 | 4 |



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PRODUCT DIMENSIONS & SPECIFICATIONS

AAW SERIES VERTICAL WALL MOUNT ELECTRIC HEAT DX COOL 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

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. ETL listed for use with either R22 or R410a when a proper metering device is used.

CABINET

Sturdy, short galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available in 3, 5, 8, & 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. Fan time delay relay standard for increased efficiency.

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.

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 check style flowrater or TXV metering device. Field-installable TXVs are also available. 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

Five-year limited parts warranty.

OPTIONS

See options menu.

AAW
AIR HANDLERS

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HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| MODEL | HEAT KIT | PERFORMANCE DATA | | | | | | ELECTRICAL DATA | | | | | |
|-------|-----------|------------------------|--------------|------|--------------------------|------|----------------------|-----------------|-----------------------------|------|-----------------------------|------|--|
| | | NOMINAL COOLING (TONS) | HEATING (KW) | | HEATING CAPACITY (MBTUH) | | MIN-CIRCUIT AMPACITY | | MAX. OVERCURRENT PROTECTION | | MAX FUSE OR CIRCUIT BREAKER | | |
| | | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V | |
| AAW18 | F(C,T)S00 | 1-1/2 | 0 | 0 | 0.0 | 0.0 | 2.3 | 2.3 | 4.1 | 4.1 | 15 | 15 | |
| | F(C,T)S03 | | 2.25 | 3 | 7.8 | 10.2 | 15.8 | 17.9 | 14.9 | 16.6 | 20 | 20 | |
| | F(C,T)S05 | | 3.8 | 5 | 13.0 | 17.1 | 24.8 | 28.3 | 22.1 | 24.9 | 25 | 30 | |
| | F(C,T)S08 | | 6.0 | 8 | 20.8 | 27.3 | 38.3 | 43.9 | 32.9 | 37.4 | 40 | 45 | |
| | F(C,T)S10 | | 7.5 | 10 | 25.9 | 34.1 | 47.3 | 54.3 | 40.1 | 45.7 | 50 | 60 | |
| AAW24 | F(C,T)S00 | 2 | 0 | 0 | 0.0 | 0.0 | 2.3 | 2.3 | 4.1 | 4.1 | 15 | 15 | |
| | F(C,T)S03 | | 2.25 | 3 | 7.8 | 10.2 | 15.8 | 17.9 | 14.9 | 16.6 | 20 | 20 | |
| | F(C,T)S05 | | 3.8 | 5 | 13.0 | 17.1 | 24.8 | 28.3 | 22.1 | 24.9 | 25 | 30 | |
| | F(C,T)S08 | | 6.0 | 8 | 20.8 | 27.3 | 38.3 | 43.9 | 32.9 | 37.4 | 40 | 45 | |
| | F(C,T)S10 | | 7.5 | 10 | 25.9 | 34.1 | 47.3 | 54.3 | 40.1 | 45.7 | 50 | 60 | |
| AAW30 | F(C,T)S00 | 2-1/2 | 0 | 0 | 0.0 | 0.0 | 3.3 | 3.3 | 5.9 | 5.9 | 15 | 15 | |
| | F(C,T)S03 | | 2.25 | 3 | 7.8 | 10.2 | 16.8 | 18.9 | 16.7 | 18.4 | 20 | 20 | |
| | F(C,T)S05 | | 3.8 | 5 | 13.0 | 17.1 | 25.8 | 29.3 | 23.9 | 26.7 | 30 | 30 | |
| | F(C,T)S08 | | 6.0 | 8 | 20.8 | 27.3 | 39.3 | 44.9 | 34.7 | 39.2 | 40 | 45 | |
| | F(C,T)S10 | | 7.5 | 10 | 25.9 | 34.1 | 48.3 | 55.3 | 41.9 | 47.5 | 50 | 60 | |
| AAW36 | F(C,T)S00 | 3 | 0 | 0 | 0.0 | 0.0 | 3.3 | 3.3 | 5.9 | 5.9 | 15 | 15 | |
| | F(C,T)S03 | | 2.25 | 3 | 7.8 | 10.2 | 16.8 | 18.9 | 16.7 | 18.4 | 20 | 20 | |
| | F(C,T)S05 | | 3.8 | 5 | 13.0 | 17.1 | 25.8 | 29.3 | 23.9 | 26.7 | 30 | 30 | |
| | F(C,T)S08 | | 6.0 | 8 | 20.8 | 27.3 | 39.3 | 44.9 | 34.7 | 39.2 | 40 | 45 | |
| | F(C,T)S10 | | 7.5 | 10 | 25.9 | 34.1 | 48.3 | 55.3 | 41.9 | 47.5 | 50 | 60 | |

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 |
| AAW18/24 | LOW | 1/5 | 1.8 | 240 | 834 | 795 | 746 | 687 | 620 |
| | HIGH | | | | 930 | 888 | 823 | 749 | 680 |
| AAW30/36 | LOW | 1/3 | 2.6 | 240 | 1123 | 1094 | 1062 | 1034 | 1000 |
| | HIGH | | | | 1396 | 1358 | 1313 | 1261 | 1200 |

* Wet coil with filter, † - For 208 V multiply by 0.90

AIR HANDLER CHASSIS NOMENCLATURE

| AAW | 18 | F | -001 |
|---|-------------------------|---|-------------|
| AAW = 240V PSC Motor Vertical Wall Mount | 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 = Flo-rater G = R410a Flo-rater X = non-bleed A/C or H/P R22 TXV | Option Code |

ELECTRIC HEAT KIT NOMENCLATURE

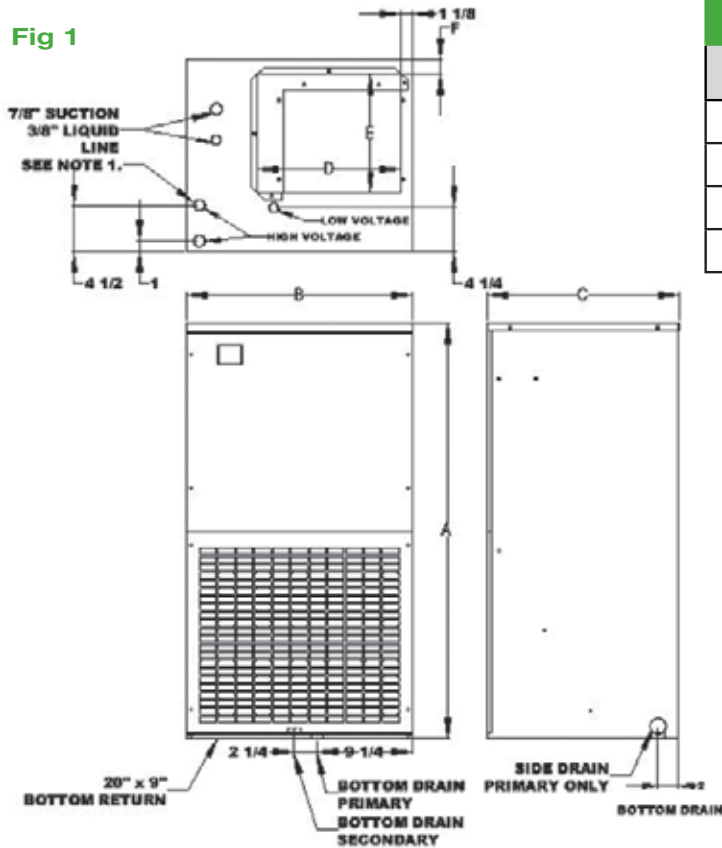
| F | C | S | 05 |
|-----------------------------|--|-------------|--|
| Wall Mount Electric Heat | <u>Interruption</u> C = Circuit Breaker T = Terminal Block | S = 18 - 36 | Heat strip 03 = 3 KW 05 = 5 KW 08 = 8 KW 10 = 10KW |

AAW AIR HANDLERS

DIMENSIONS AND SPECIFICATIONS (Fig 1)

| MODEL | A" | B" | C" | D" | E" | F" | FILTER SIZE | PISTON SIZE | SHIP WEIGHT (LBS) | SKID QTY |
|--------|-----------------|------------|----------------|------------|----------------|----------------|-------------|-------------|-------------------|----------|
| AAW18* | 37 1/2 [95] | 22 [56] | 18-3/4 [48] | 14 [36] | 10 [25] | 3-1/4 [8.3] | 20X20 | 0.055 | 90 | 4 |
| AAW24* | 37 1/2 [95] | 22 [56] | 18-3/4 [48] | 14 [36] | 10 [25] | 3-1/4 [8.3] | 20X20 | 0.059 | 90 | 4 |
| AAW30* | 40 1/2 [103] | 22 [56] | 18-3/4 [48] | 14 [36] | 11-1/2 [29] | 1-3/8 [3.5] | 20X20 | 0.068 | 102 | 4 |
| AAW36* | 40 1/2 [103] | 22 [56] | 18-3/4 [48] | 14 [36] | 11-1/2 [29] | 1-3/8 [3.5] | 20X20 | 0.074 | 102 | 4 |

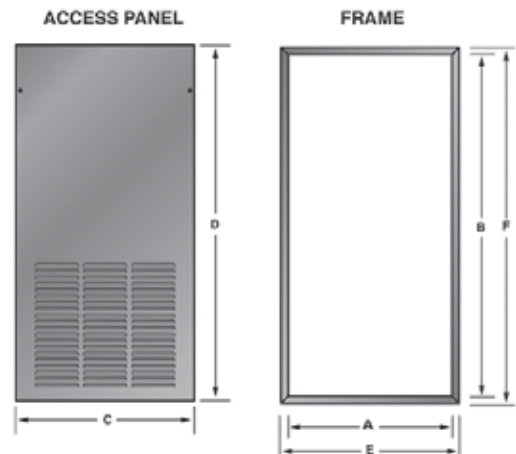
Fig 1



INSTALLATION CLEARANCES

| | OPERATION | SERVICE |
|-------|-----------|---------|
| TOP | 0" | 0" |
| FRONT | 0" | 30" |
| SIDES | 0" | 0" |
| REAR | 0" | 0" |

Fig 2



ACCESS PANEL DIMENSIONS AND SPECIFICATIONS (Fig 2)

| PANEL MODEL | FOR USE WITH | OPENING SIZE | | PANEL DIMENSION | | FRAME DIMENSION | | # OF PANELS |
|-------------|--------------|--------------|--------|-----------------|--------|-----------------|--------|-------------|
| | | A | B | C | D | E | F | |
| WAD-7(S/L) | AAW 18/24 | 22-1/4 | 39-1/2 | 24-1/4 | 41-1/2 | 24-1/8 | 41-3/8 | 1 |
| WAD-8(S/L) | AAW 30/36 | 22-1/4 | 42-1/2 | 24-1/4 | 44-1/2 | 24-1/8 | 44-3/8 | 1 |

AAW
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PRODUCT DIMENSIONS & SPECIFICATIONS

ABL SERIES MULTI-POSITION HYDRONIC FURNACE

STANDARD FEATURES

APPLICATION VERSATILITY

Upflow or horizontal left as shipped (field convertible for downflow or horizontal right)

CABINET

Sturdy, low profile galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack.

MODULAR HYDRONIC HEAT KITS

Heats kits available with either circuit breakers or terminal blocks and are easily installed in the field using molex plugs or can be ordered factory-installed. Freeze stat is standard, wired into circulating pump control circuit. 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. Heat kits are available with or without circulating pump and check valve. Units are provided with auxiliary relay for remote pump. Schrader ports are standard on water-out manifold, hose bib available as an option.

BLOWER

Direct drive multi-speed blowers circulate air quietly and efficiently and 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.

ELECTRONIC CONTROL BOARD

An electronic board controls the functioning of the system reducing moving parts. The board provides for various hot water supply source connections and the blower time delay to maximize heat/cool extraction. As an enhanced feature the pump circulates hot water every 6 hours to prevent coil freeze during off cycle

WARRANTY

Five-year limited parts warranty.

OPTIONS

See options menu.



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



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HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| UNIT MODEL | PERFORMANCE DATA | | | | | | | | ELECTRICAL DATA | |
|------------|-------------------------|-----------------|--------------|-----------|-------------------------------------|--|-------|--------|--------------------------------|-----------------------------|
| | HYDRONIC HEAT KIT MODEL | NOMINAL COOLING | HEATING COIL | | Hydronic Coil Delta P. Ft. Water | HEATING AT 3.5 GPM CAPACITY BTU/HR at 3.5 GPM | | | MIN. CIR. AMPACITY 120 volt | MAX FUSE OR CIRCUIT BREAKER |
| | | | ROW | SIZE | | ENTERING WATER TEMP | | | | |
| | | | | | 120° | 140° | 180° | | | |
| ABLS | W(C,T)2S(P,L) | Low | 2 | 18"x12" | 2.8 | 17700 | 24900 | 39600 | 4.1 | 15 |
| | | High | 2 | 18"x12" | 2.8 | 20200 | 28500 | 45400 | | |
| | W(C,T)3S(P,L) | Low | 3 | 18"x12" | 2.1 | 21600 | 30500 | 48400 | | |
| | | High | 3 | 18"x12" | 2.1 | 25000 | 35300 | 56300 | | |
| ABLM | W(C,T)2S(P,L) | Low | 2 | 18"x12" | 2.8 | 23900 | 33800 | 53800 | 7.4 | 15 |
| | | High | 2 | 18"x12" | 2.8 | 25800 | 36500 | 58200 | | |
| | W(C,T)3S(P,L) | Low | 3 | 18"x12" | 2.1 | 30100 | 42500 | 67700 | | |
| | | High | 3 | 18"x12" | 2.1 | 32800 | 46300 | 73700 | | |
| | W(C,T)4S(P,L) | Low | 4 | 18"x12" | 1.1 | 34000 | 48000 | 76600 | | |
| | | High | 4 | 18"x12" | 1.1 | 37200 | 52600 | 83800 | | |
| ABLL | W(C,T)2L(P,L) | Low | 2 | 22"x14.5" | 2.8 | 33200 | 46800 | 74500 | 12.6 | 25 |
| | | High | 2 | 22"x14.5" | 2.8 | 36600 | 51800 | 82500 | | |
| | W(C,T)3L(P,L) | Low | 3 | 22"x14.5" | 2.1 | 40500 | 57300 | 84400 | | |
| | | High | 3 | 22"x14.5" | 2.1 | 45000 | 63600 | 94000 | | |
| | W(C,T)4L(P,L) | Low | 4 | 22"x14.5" | 1.1 | 49000 | 69300 | 103600 | | |
| | | High | 4 | 22"x14.5" | 1.1 | 55000 | 77700 | 116300 | | |

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 |
| ABLS | LOW | 1/5 | 2.8 | 120 | 780 | 740 | 700 | 645 | 585 |
| | HIGH | | | | 850 | 800 | 745 | 685 | 620 |
| ABLM | LOW | 1/3 | 5.4 | | 970 | 940 | 880 | 825 | 750 |
| | HIGH | | | | 1150 | 1100 | 1045 | 980 | 920 |
| ABLL | LOW | 3/4 | 9.5 | | 1360 | 1340 | 1310 | 1280 | 1230 |
| | MED | | | | 1530 | 1470 | 1420 | 1360 | 1310 |
| | HIGH | | | | 1730 | 1670 | 1600 | 1540 | 1480 |

* Dry coil with filter in place

AIR HANDLER CHASSIS NOMENCLATURE

| ABL | 2 | -001 |
|---|---|-------------|
| ABL = 120V PSC Motor Multi-Position Hydronic Furnace | S = 18 & 24 M = 30 & 36 L = 42, 48 & 60 | Option Code |

HYDRONIC HEAT KIT NOMENCLATURE

| W | C | 2 | S | P |
|---------------------------------|---|--|--------------------------------------|--------------------------------|
| Multi-position Hydronic Heat | Interruption C = Circuit Breaker T = Terminal Block | # of rows 2 = 2 rows 3 = 3 rows 4 = 4rows | S = 18, 24, 30, 36 L = 42, 48, 60 | P = with pump L = less pump |

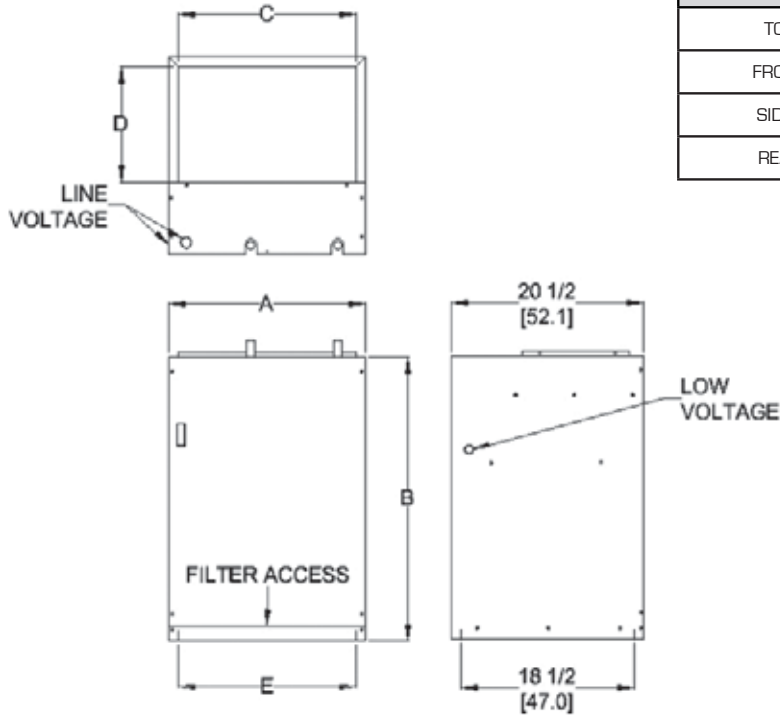
AIR HANDLERS / ABL

DIMENSIONS AND SPECIFICATIONS

| MODEL | WIDTH A" | HEIGHT B" | DUCT OPENING | | BOTTOM OPENING | FILTER SIZE | SHIP WEIGHT (LBS) | SKID QTY |
|-------|-------------|--------------|--------------|--------|-------------------|----------------|-------------------------|-------------|
| | | | C" | D" | E" | | | |
| ABLS | 21 | 21 | 18-3/4 | 12 | 18-1/2 | 16 x 16 | 83 | 4 |
| ABLM | 21 | 21 | 18-3/4 | 12 | 18-1/2 | 16 x 16 | 85 | 4 |
| ABLL | 24-1/2 | 21 | 22-1/4 | 14-1/2 | 22-1/4 | 20 x 20 | 110 | 4 |

INSTALLATION CLEARANCES

| | OPERATION | SERVICE |
|-------|-----------|---------|
| TOP | 0" | 0" |
| FRONT | 0" | 30" |
| SIDES | 0" | 0" |
| REAR | 0" | 0" |



ABL

AIR HANDLERS



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PRODUCT DIMENSIONS & SPECIFICATIONS

ABM SERIES MULTI-POSITION HYDRONIC AIR HANDLERS

STANDARD FEATURES

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. ETL listed for use with either R22 or R410a when a proper metering device is used.

CABINET

Sturdy, galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack.

MODULAR HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available in 2, 3 & 4 row. Modules are easily installed in the field using molex plugs or can be ordered factory-installed. Freeze stat is wired into circulating pump control circuit. 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. Totally lead free constructed coil. Suitable for potable applications.

BLOWER

Direct drive multi-speed blowers circulate air quietly and efficiently. Multiple motor speeds 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.

ELECTRONIC CONTROL BOARD

An electronic board controls the functioning of the system reducing moving parts. The board provides for various hot water supply source connections and the blower time delay to maximize heat/cool extraction. As an enhanced feature the pump circulates hot water every 6 hours to prevent coil freeze during off cycle.

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 GLN drain pan holds minimal condensate while eliminating the possibility of corrosion. Drain pan is UV safe. All drain connections are 3/4" FPT. Access door allows for coil cleaning.

WARRANTY

Five-year limited parts warranty.

OPTIONS

See options menu.



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ABM

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HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| UNIT MODEL | HYDRONIC HEAT KIT MODEL | NOMINAL COOLING | PERFORMANCE DATA | | | | | | ELECTRICAL DATA | |
|------------|-------------------------|-----------------|------------------|-----------|-------------------------------------|--|-------|----------|-------------------------------|-----------------------------|
| | | | HEATING COIL | | Hydronic Coil Delta P. Ft. Water | HEATING AT 3.5 GPM CAPACITY BTU/HR at 3.5 GPM | | | MIN.CIR. AMPACITY 120 volt | MAX FUSE OR CIRCUIT BREAKER |
| | | | ROW | SIZE | | ENTERING WATER TEMP | | | | |
| 120° | 140° | 180° | | | | | | | | |
| ABM 18, 19 | W(C,T)2S(P,L) | 1.5 | 2 | 18"x12" | 2.8 | 17700 | 24900 | 39600 | 4.1 | 15 |
| | W(C,T)3S(P,L) | | 3 | 18"x12" | 2.1 | 21600 | 30500 | 48400 | | |
| ABM 24, 25 | W(C,T)2S(P,L) | 2 | 2 | 18"x12" | 2.8 | 20200 | 28500 | 45400 | 4.1 | 15 |
| | W(C,T)3S(P,L) | | 3 | 18"x12" | 2.1 | 25000 | 35300 | 56300 | | |
| ABM 30, 31 | W(C,T)2S(P,L) | 2.5 | 2 | 18"x12" | 2.8 | 22100 | 31300 | 49900 | 7.4 | 15 |
| | W(C,T)3S(P,L) | | 3 | 18"x12" | 2.1 | 27700 | 39100 | 62400 | | |
| | W(C,T)4S(P,L) | | 4 | 18"x12" | 1.1 | 31000 | 43900 | 70100000 | | |
| ABM 36, 37 | W(C,T)2S(P,L) | 3 | 2 | 18"x12" | 2.8 | 23700 | 33500 | 53600 | 7.4 | 15 |
| | W(C,T)3S(P,L) | | 3 | 18"x12" | 2.1 | 29800 | 42100 | 67300 | | |
| | W(C,T)4S(P,L) | | 4 | 18"x12" | 1.1 | 33500 | 47400 | 75800 | | |
| ABM 42, 43 | W(C,T)2L(P,L) | 3.5 | 2 | 22"x14.5" | 3.6 | 30200 | 42600 | 68000 | 12.5 | 25 |
| | W(C,T)3L(P,L) | | 3 | 22"x14.5" | 1.7 | 36300 | 51400 | 76600 | | |
| | W(C,T)4L(P,L) | | 4 | 22"x14.5" | 1.1 | 43600 | 61600 | 92900 | | |
| ABM 48, 49 | W(C,T)2L(P,L) | 4 | 2 | 22"x14.5" | 3.6 | 31700 | 44800 | 71400 | 12.5 | 25 |
| | W(C,T)3L(P,L) | | 3 | 22"x14.5" | 1.7 | 38200 | 54000 | 80600 | | |
| | W(C,T)4L(P,L) | | 4 | 22"x14.5" | 1.1 | 45900 | 64900 | 98000 | | |
| ABM 60, 61 | W(C,T)2L(P,L) | 5 | 2 | 22"x14.5" | 3.6 | 32900 | 46600 | 74400 | 12.5 | 25 |
| | W(C,T)3L(P,L) | | 3 | 22"x14.5" | 1.7 | 39700 | 56200 | 84000 | | |
| | W(C,T)4L(P,L) | | 4 | 22"x14.5" | 1.1 | 47800 | 67600 | 102200 | | |

| UNIT MODEL | HYDRONIC HEAT KIT MODEL | NOMINAL COOLING | PERFORMANCE DATA | | | | | | ELECTRICAL DATA | |
|-----------------------|-------------------------|-----------------|------------------|-----------|-------------------------------------|--|-------|--------|-------------------------------|-----------------------------|
| | | | HEATING COIL | | Hydronic Coil Delta P. Ft. Water | HEATING AT 5.0 GPM CAPACITY BTU/HR at 5.0 GPM | | | MIN.CIR. AMPACITY 120 volt | MAX FUSE OR CIRCUIT BREAKER |
| | | | ROW | SIZE | | ENTERING WATER TEMP | | | | |
| 120° | 140° | 180° | | | | | | | | |
| ABM 18/19/24/25 | W(C,T)2S(P,L) | Low | 2 | 18"x12" | 5.6 | 18700 | 26400 | 41900 | 4.1 | 15 |
| | W(C,T)2S(P,L) | High | 2 | 18"x12" | 5.6 | 21600 | 30500 | 48500 | | |
| | W(C,T)3S(P,L) | Low | 3 | 18"x12" | 4.2 | 22900 | 32300 | 51200 | | |
| | W(C,T)3S(P,L) | High | 3 | 18"x12" | 4.2 | 26900 | 38000 | 60300 | | |
| ABM 30/31/36/37 | W(C,T)2S(P,L) | Low | 2 | 18"x12" | 5.6 | 23900 | 33800 | 53800 | 7.4 | 15 |
| | W(C,T)2S(P,L) | High | 2 | 18"x12" | 5.6 | 25800 | 36500 | 58200 | | |
| | W(C,T)3S(P,L) | Low | 3 | 18"x12" | 4.2 | 30100 | 42500 | 67700 | | |
| | W(C,T)3S(P,L) | High | 3 | 18"x12" | 4.2 | 32800 | 46300 | 73700 | | |
| | W(C,T)4S(P,L) | Low | 4 | 18"x12" | 2.2 | 34000 | 48000 | 76600 | | |
| | W(C,T)4S(P,L) | High | 4 | 18"x12" | 2.2 | 37200 | 52600 | 83800 | | |
| ABM 42/43/48/49/60/61 | W(C,T)2L(P,L) | Low | 2 | 22"x14.5" | 5.6 | 33200 | 46800 | 74500 | 12.5 | 25 |
| | W(C,T)2L(P,L) | High | 2 | 22"x14.5" | 5.6 | 36600 | 51800 | 82500 | | |
| | W(C,T)3L(P,L) | Low | 3 | 22"x14.5" | 3.4 | 40500 | 57300 | 84400 | | |
| | W(C,T)3L(P,L) | High | 3 | 22"x14.5" | 3.4 | 45000 | 63600 | 94000 | | |
| | W(C,T)4L(P,L) | Low | 4 | 22"x14.5" | 2.2 | 49000 | 69300 | 103600 | | |
| | W(C,T)4L(P,L) | High | 4 | 22"x14.5" | 2.2 | 55000 | 77700 | 116300 | | |

HYDRONIC HEAT KIT NOMENCLATURE

| W | C | 2 | S | P |
|-----------------------|---|---|--|--|
| Water heat (hydronic) | Interruption C = Circuit Breaker T = Terminal Block | <u>2- 2 row hydronic</u> <u>3- 3 row hydronic</u> <u>4- 4 row hydronic</u> 0 - no heat | S= 18-37, coil size- 18 x 12 L= 42-61, coil size- 22 x 14.5 | P= 1/40 hp pump 8 = 1/25 hp pump R = 1/8 hp pump L= less pump |

AIR HANDLERS ABM

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 |
| ABM18/19/24/25 | LOW | 1/5 | 2.8 | 120 | 780 | 740 | 700 | 645 | 585 |
| | HIGH | | | | 850 | 800 | 745 | 685 | 620 |
| ABM 30/31/36/37 | LOW | 1/3 | 5.4 | | 1000 | 980 | 920 | 870 | 800 |
| | HIGH | | | | 1210 | 1190 | 1160 | 1130 | 1070 |
| ABM 42/43/48/49/60/61 | LOW | 3/4 | 9.5 | | 1360 | 1340 | 1310 | 1280 | 1230 |
| | MED | | | | 1530 | 1470 | 1420 | 1360 | 1310 |
| | HIGH | | | | 1730 | 1670 | 1600 | 1540 | 1480 |

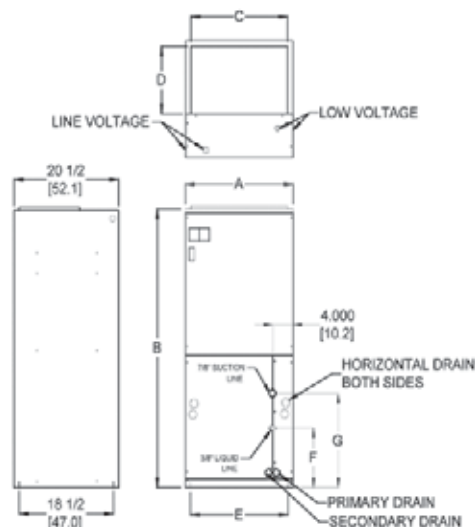
* Dry coil with filter in place

AIR HANDLER CHASSIS NOMENCLATURE

| ABM | 18 | F | -001 |
|---|-------------------------|--|-------------|
| ABM = 120V PSC Motor Multi-Position Hydronic 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 = F-22 Flo-rater G = R410a Flo-rater X = non-bleed A/C or H/P R22 TXV | Option Code |

DIMENSIONS AND SPECIFICATIONS

| MODEL | A" | B" | C" | D" | E" | F" | G" | FILTER SIZE | PISTON SIZE | SHIP WEIGHT (LBS) | SKID QTY |
|-------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|-------------|-------------|-------------------|----------|
| ABM18/19+W* | 21 [53] | 49 1/4 [125] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 7-1/4 [18] | 10-1/4 [26] | 16X20 | 0.055 | 99 | 4 |
| ABM24/25+W* | 21 [53] | 49 1/4 [125] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 8-1/4 [21] | 12-1/4 [31] | 16X20 | 0.059 | 100 | 4 |
| ABM30/31+W* | 21 [53] | 49 1/4 [125] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 8-1/4 [21] | 14-1/4 [36] | 16X20 | 0.068 | 118 | 4 |
| ABM36/37+W* | 21 [53] | 49 1/4 [125] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 10-1/4 [26] | 16-1/4 [41] | 16X20 | 0.074 | 147 | 4 |
| ABM42/43+W* | 24-1/2 [62] | 57 [145] | 22-1/4 [57] | 14-3/4 [37] | 22 [56] | 11 [28] | 16 [41] | 20X20 | 0.080 | 153 | 4 |
| ABM48/49+W* | 24-1/2 [62] | 57 [145] | 22-1/4 [57] | 14-3/4 [37] | 22 [56] | 13 [33] | 18 [46] | 20X20 | 0.084 | 180 | 4 |
| ABM60/61+W* | 24-1/2 [62] | 57 [145] | 22-1/4 [57] | 14-3/4 [37] | 22 [56] | 15 [38] | 20 [51] | 20X20 | 0.092 | 200 | 4 |



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AIR HANDLERS

ABM



PRODUCT DIMENSIONS & SPECIFICATIONS

ABW SERIES WALL MOUNT HYDRONIC HEAT DX COOL AIR HANDLERS

STANDARD FEATURES

APPLICATION VERSATILITY

Front or bottom return air. 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. ETL listed for use with either R22 or R410a when a proper metering device is used.

CABINET

Sturdy, short galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack. Low leak cabinet features are standard.

MODULAR HYDRONIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available in 2, 3 & 4 row, providing 16,000 to 59,000 BTU's of heat. Heat kits are easily installed in the field using mox plugs or can be ordered factory-installed. Freeze stat is standard, wired into circulating pump control circuit. 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. Heat kits are available with or without circulating pump and check valve. Units are provided with auxiliary relay for remote pump. Schrader ports are standard on water-out manifold, hose bib available as an option. Totally lead free constructed coil. Suitable for potable 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 CONTROL BOARD

An electronic board controls the functioning of the system reducing moving parts. The board provides for various hot water supply source connections and the blower time delay to maximize heat/cool extraction. As an enhanced feature the pump circulates hot water every 6 hours to prevent coil freeze during off cycle.

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 check style flowrater or TXV metering device. Field-installable TXVs are also available. 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

Five-year limited parts warranty.

OPTIONS

See options menu.



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



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HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| UNIT MODEL | PERFORMANCE DATA | | | | | | | ELECTRICAL DATA | |
|------------|-------------------------|-----------------|--------------|------------------------|---------------------------------|--------|--------|----------------------------|-----------------------------|
| | HYDRONIC HEAT KIT MODEL | NOMINAL COOLING | HEATING COIL | Hydronic Coil Delta P. | Heating Capacity(BTU) @ 3.5 GPM | | | MIN.CIR. AMPACITY 120 volt | MAX FUSE OR CIRCUIT BREAKER |
| | | | | | ENTERING WATER TEMP | | | | |
| | | | ROW | Ft. Water | 120° | 140° | 180° | | |
| ABW 18 | U(C,T)2S(P,L) | 1.5 | 2 | 3 | 18,800 | 26,600 | 42,300 | 4.1 | 15 |
| | U(C,T)3S(P,L) | | 3 | 1.8 | 21,600 | 30,400 | 48,500 | | |
| ABW 24 | U(C,T)2S(P,L) | 2 | 2 | 3 | 21,000 | 30,100 | 48,000 | 4.1 | 15 |
| | U(C,T)3S(P,L) | | 3 | 1.8 | 24,700 | 34,800 | 55,600 | | |
| ABW 30 | U(C,T)2S(P,L) | 2.5 | 2 | 3 | 23,200 | 32,800 | 52,500 | 7.4 | 15 |
| | U(C,T)3S(P,L) | | 3 | 1.8 | 27,000 | 38,200 | 61,100 | | |
| | U(C,T)4S(P,L) | | 4 | 1.1 | 28,300 | 40,100 | 64,000 | | |
| ABW 36 | U(C,T)2S(P,L) | 3 | 2 | 3 | 24,700 | 35,000 | 56,000 | 7.4 | 15 |
| | U(C,T)3S(P,L) | | 3 | 1.8 | 29,900 | 41,000 | 65,500 | | |
| | U(C,T)4S(P,L) | | 4 | 1.1 | 30,400 | 43,000 | 68,800 | | |

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 |
| ABW18 & ABW 24 | LOW | 1/5 | 2.8 | 120 | 772 | 736 | 690 | 633 | 574 |
| | HIGH | | | | 829 | 784 | 732 | 663 | 600 |
| ABW30 & ABW36 | LOW | 1/3 | 5.4 | | 1000 | 980 | 920 | 870 | 800 |
| | HIGH | | | | 1210 | 1190 | 1160 | 1130 | 1070 |

* Dry coil

AIR HANDLER CHASSIS NOMENCLATURE

| ABW | 18 | F | -001 |
|--|-------------------------|--|-------------|
| ABW = 120V PSC Motor Vertical Wall Mount | Nominal tonnage (MBTUH) | Metering device 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 |

HYDRONIC HEAT KIT NOMENCLATURE

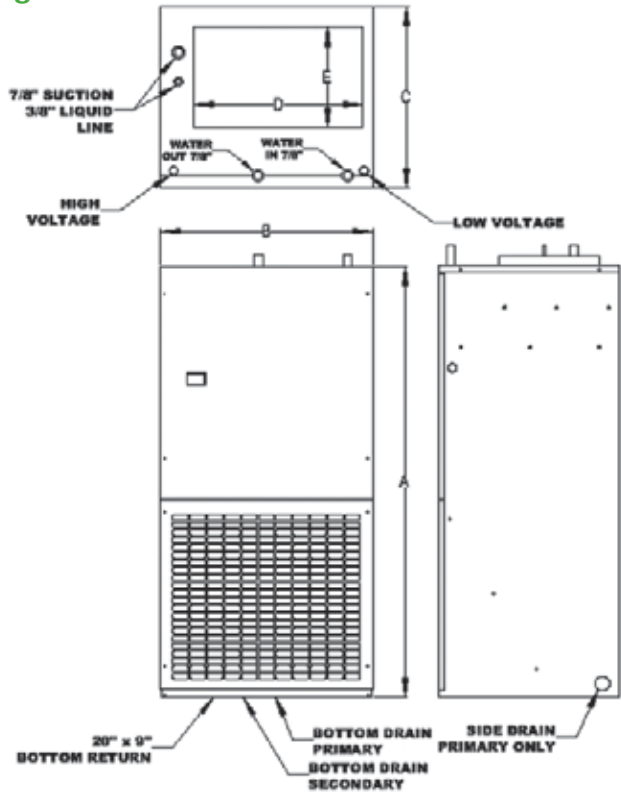
| U | C | 2 | S | P |
|--------------------------|--|--|-------------|--------------------------------|
| Wall Mount Hydronic Heat | <u>Interruption</u> C = Circuit Breaker T = Terminal Block | <u># of rows</u> 2 = 2 rows 3 = 3 rows 4 = 4 rows | S = 18 - 36 | P = with pump L = less pump |

ABW
AIR HANDLERS

DIMENSIONS AND SPECIFICATIONS (Fig 1)

| MODEL | A" | B" | C" | D" | E" | FILTER SIZE | PISTON SIZE | SHIP WEIGHT (LBS) | SKID QTY |
|--------|-----------------|------------|----------------|----------------|----------------|-------------|-------------|-------------------|----------|
| ABW18* | 44-1/2 [113] | 22 [56] | 18-3/4 [48] | 17-5/8 [45] | 10-1/2 [27] | 20X20 | 0.055 | 110 | 4 |
| ABW24* | 44-1/2 [113] | 22 [56] | 18-3/4 [48] | 17-5/8 [45] | 10-1/2 [27] | 20X20 | 0.059 | 110 | 4 |
| ABW30* | 44-1/2 [113] | 22 [56] | 18-3/4 [48] | 17-5/8 [45] | 10-1/2 [27] | 20X20 | 0.068 | 118 | 4 |
| ABW36* | 44-1/2 [113] | 22 [56] | 18-3/4 [48] | 17-5/8 [45] | 10-1/2 [27] | 20X20 | 0.074 | 118 | 4 |

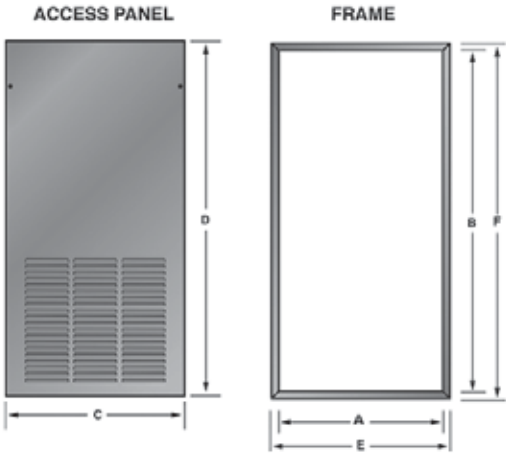
Fig 1



INSTALLATION CLEARANCES

| | OPERATION | SERVICE |
|-------|-----------|---------|
| TOP | 0" | 0" |
| FRONT | 0" | 30" |
| SIDES | 0" | 0" |
| REAR | 0" | 0" |

Fig 2



ACCESS PANEL DIMENSIONS AND SPECIFICATIONS (Fig 2)

| PANEL MODEL | FOR USE WITH | OPENING SIZE | | PANEL DIMENSION | | FRAME DIMENSION | | # OF PANELS |
|--------------------|--------------|--------------|----|-----------------|----|-----------------|--------|-------------|
| | | A | B | C | D | E | F | |
| WAD-9(S/L) | ABW/AFW | 22-1/4 | 46 | 24-1/4 | 48 | 24-1/8 | 47-7/8 | 1 |
| WAD-10(S/L) [+ 6"] | ABW/AFW | 22-1/4 | 52 | 24-1/4 | 54 | 24-1/8 | 47-7/8 | 1 |



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PRODUCT DIMENSIONS & SPECIFICATIONS

AEC SERIES CEILING MOUNT ELECTRIC HEAT DX COOL AIR HANDLERS

AEC
AIR HANDLERS

STANDARD FEATURES

APPLICATION VERSATILITY

Built in mounting tabs for ceiling or furrdown mounting. Louvered ceiling access panel has separate frame that attaches to ceiling joists. Solid access panel available for use with end return installations. 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.

MOTOR

Constant torque ECM speeds and torques are controlled by software embedded in the motor to maintain constant torque. Motors are pre-programmed at the factory.

CABINET

Sturdy, fully insulated galvanized steel cabinet with painted front panels.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available in 3, 5, 8, & 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. Fan time delay relay standard for increased efficiency.

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.

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 check style flowrater or TXV metering device. Field-installable TXVs are also available. 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

Five-year limited parts warranty.

OPTIONS

See options menu.



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



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Revised 01/11/17. In keeping with its policy of continuous progress and product improvement, Aspen reserves the right to make changes without notice and incurring obligation. © 2017

HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| MODEL | HEAT KIT | PERFORMANCE DATA | | | | | ELECTRICAL DATA | | | |
|---------------|-----------|------------------------|--------------|------|--------------------------|------|----------------------|------|-----------------------------|------|
| | | NOMINAL COOLING (TONS) | HEATING (KW) | | HEATING CAPACITY (MBTUH) | | MIN-CIRCUIT AMPACITY | | MAX FUSE OR CIRCUIT BREAKER | |
| | | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V |
| AEC18 | G(C,T)S00 | 1-1/2 | 0 | 0 | 0.0 | 0.0 | 6.3 | 6.3 | 15.0 | 15.0 |
| | G(C,T)S03 | | 2.3 | 3 | 7.8 | 10.2 | 20.1 | 21.9 | 20.0 | 25.0 |
| | G(C,T)S05 | | 3.8 | 5 | 13.0 | 17.1 | 29.1 | 32.3 | 30.0 | 35.0 |
| | G(C,T)S08 | | 6.0 | 8 | 20.8 | 27.3 | 43.0 | 48.0 | 45.0 | 50.0 |
| | G(C,T)S10 | | 7.5 | 10 | 24.9 | 32.8 | 50.2 | 56.3 | 60.0 | 60.0 |
| AEC24 | G(C,T)S00 | 2 | 0 | 0 | 0.0 | 0.0 | 6.3 | 6.3 | 15.0 | 15.0 |
| | G(C,T)S03 | | 2.3 | 3 | 7.8 | 10.2 | 20.1 | 21.9 | 20.0 | 25.0 |
| | G(C,T)S05 | | 3.8 | 5 | 13.0 | 17.1 | 29.1 | 32.3 | 30.0 | 35.0 |
| | G(C,T)S08 | | 6.0 | 8 | 20.8 | 27.3 | 43.0 | 48.0 | 50.0 | 50.0 |
| | G(C,T)S10 | | 7.5 | 10 | 24.9 | 32.8 | 50.2 | 56.3 | 60.0 | 60.0 |
| AEC30 | G(C,T)S00 | 2-1/2 | 0 | 0 | 0.0 | 0.0 | 9.2 | 9.2 | 15.0 | 15.0 |
| | G(C,T)S03 | | 2.3 | 3 | 7.8 | 10.2 | 23.0 | 24.9 | 20.0 | 25.0 |
| | G(C,T)S05 | | 3.8 | 5 | 13.0 | 17.1 | 32.1 | 35.3 | 30.0 | 35.0 |
| | G(C,T)S08 | | 6.0 | 8 | 20.8 | 27.3 | 45.9 | 50.9 | 50.0 | 50.0 |
| | G(C,T)S10 | | 7.5 | 10 | 24.9 | 32.8 | 53.1 | 59.2 | 60.0 | 60.0 |
| AEC36 & AEC37 | G(C,T)S00 | 3 | 0 | 0 | 0.0 | 0.0 | 9.2 | 9.2 | 15.0 | 15.0 |
| | G(C,T)S03 | | 2.3 | 3 | 7.8 | 10.2 | 23.0 | 24.9 | 20.0 | 25.0 |
| | G(C,T)S05 | | 3.8 | 5 | 13.0 | 17.1 | 32.1 | 35.3 | 30.0 | 35.0 |
| | G(C,T)S08 | | 6.0 | 8 | 20.8 | 27.3 | 45.9 | 50.9 | 50.0 | 50.0 |
| | G(C,T)S10 | | 7.5 | 10 | 24.9 | 32.8 | 53.1 | 59.2 | 60.0 | 60.0 |

BLOWER DATA

| MODEL | SPEED TAP | MOTOR HP | MOTOR AMPS | MOTOR VOLTAGE | CFM V. EXTERNAL STATIC * † | | | | |
|--------------------------|-----------|----------|------------|---------------|----------------------------|------|------|------|------|
| | | | | | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 |
| AEC 18 & AEC 24 | TAP 5 | 1/3 | 2.8 | 240 | 890 | 830 | 780 | 730 | 680 |
| | TAP 4 | | | | 750 | 680 | 640 | 600 | 560 |
| | TAP 3 | | | | 600 | 565 | 539 | 502 | 480 |
| | TAP 2 | | | | 750 | 830 | 780 | 730 | 560 |
| | TAP 1 | | | | 890 | 680 | 640 | 600 | 680 |
| AEC 30 & AEC 36 & AEC 37 | TAP 5 | 1/2 | 4.1 | | 1220 | 1160 | 1110 | 1070 | 1010 |
| | TAP 4 | | | | 1110 | 1075 | 1040 | 1010 | 980 |
| | TAP 3 | | | | 898 | 873 | 853 | 827 | 800 |
| | TAP 2 | | | | 1110 | 1075 | 1040 | 1010 | 980 |
| | TAP 1 | | | | 1220 | 1160 | 1110 | 1070 | 1010 |

* Wet coil with filter † For 208 operation multiply by 0.90

AIR HANDLER CHASSIS NOMENCLATURE

| AEC | 18 | F | -001 |
|--|-------------------------|---|-------------|
| AEC = 240V Constant torque ECM Ceiling Mount | 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

| G | C | S | 03 |
|-----------------------------|--|-----------|--|
| Ceiling Mount Electric Heat | <u>Interruption</u> C = Circuit Breaker T = Terminal Block | S = 18-36 | <u>Heat Strip</u> 03 = 3 KW 05 = 5 KW 08 = 8 KW 10 = 10 KW |

AIR HANDLERS AEC

DIMENSIONS AND SPECIFICATIONS (Fig 1)

| MODEL | HEIGHT A" | WIDTH B" | DEPTH C" | D" | E" | FILTER SIZE | PISTON SIZE | SHIP WEIGHT (LBS) | SKID QTY |
|--------------------|-----------------|----------------|-------------|----------------|-----------|----------------|----------------|-------------------------|-------------|
| AEC18* | 57 1/2 (146) | 22 1/2 (57) | 12 (30) | 20 3/8 (52) | 8 (20) | 20X20 | 0.055 | 91 | 6 |
| AEC24* | 57 1/2 (146) | 22 1/2 (57) | 12 (30) | 20 3/8 (52) | 8 (20) | 20X20 | 0.059 | 91 | 6 |
| AEC30* | 57 1/2 (146) | 22 1/2 (57) | 12 (30) | 20 3/8 (52) | 8 (20) | 20X20 | 0.068 | 100 | 6 |
| AEC36* & AEC37* | 57 1/2 (146) | 22 1/2 (57) | 12 (30) | 20 3/8 (52) | 8 (20) | 20X20 | 0.074 | 100 | 6 |

INSTALLATION CLEARANCES

| | OPERATION | SERVICE |
|-------|-----------|---------|
| TOP | 0" | 0" |
| FRONT | 0" | 30" |
| SIDES | 0" | 0" |
| REAR | 0" | 0" |

Fig 1

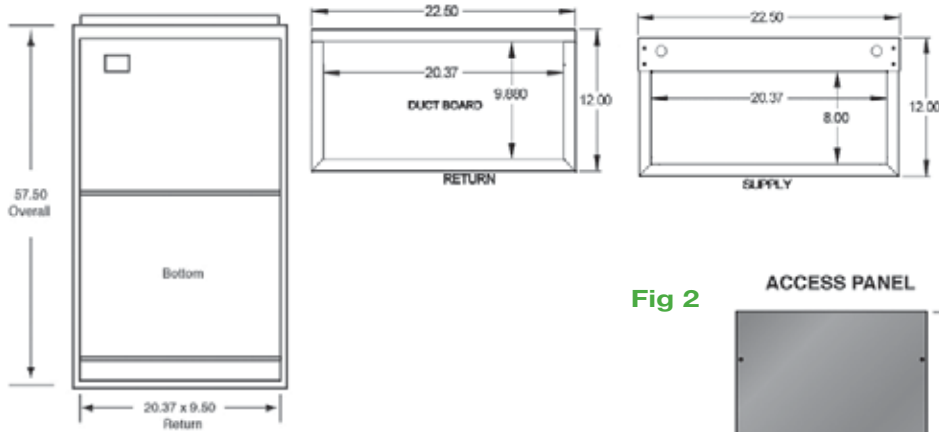
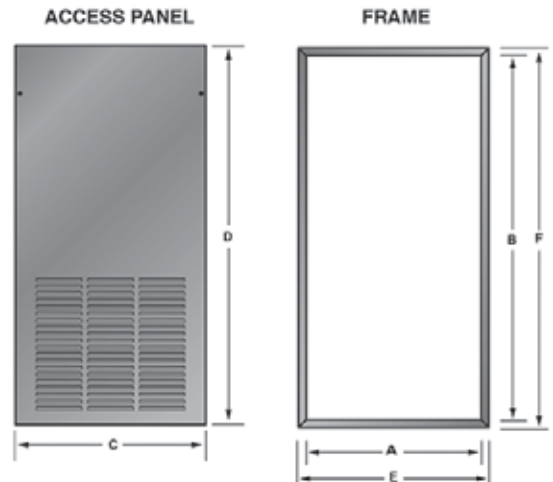


Fig 2



ACCESS DOOR DIMENSIONS AND SPECIFICATIONS (Fig 2)

| PANEL MODEL | FOR USE WITH | OPENING SIZE | | PANEL DIMENSION | | FRAME DIMENSION | | # OF PANELS |
|----------------|--------------|--------------|----|-----------------|----|-----------------|--------|----------------|
| | | A | B | C | D | E | F | |
| CAD-4(S/L) | AEC | 22-3/4 | 58 | 24-3/4 | 60 | 24-5/8 | 59-7/8 | 2 |



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AEC
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PRODUCT DIMENSIONS & SPECIFICATIONS

AEM SERIES MULTI-POSITION ELECTRIC HEAT DX COOL AIR HANDLERS

STANDARD FEATURES

APPLICATION VERSATILITY

Upflow or horizontal right as shipped (field-convertible for downflow or horizontal left applications). Can be AHRI certified 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.

MOTOR

Constant torque ECM speeds and torques are controlled by software embedded in the motor to maintain constant torque. Motors are pre-programmed at the factory.

CABINET

Sturdy, galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack.

BLOWER

Direct drive blowers circulate air quietly and efficiently. Motor speeds and torques programmed in the motor. Blowers mounted on rails so they 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.

MODULAR ELECTRIC 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.

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, UV safe, GLP drain pan holds minimal condensate while eliminating the possibility of corrosion. All drain connections are 3/4" FPT. Access door allows for coil cleaning.

WARRANTY

Ten-year limited parts warranty.

OPTIONS

See options menu.



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



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HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| MODEL | ELECTRIC HEAT KIT MODEL | MOTOR AMPS | PERFORMANCE DATA | | | | | | ELECTRICAL DATA | | | |
|-----------|-------------------------|------------|------------------|------|--------------------|-------|--------------------------|-------|----------------------|----------|---------------|----------|
| | | | HEATING (KW) | | HEAT KIT ONLY AMPS | | HEATING CAPACITY (MBTUH) | | MIN-CIRCUIT AMPACITY | | MAX FUSE SIZE | |
| | | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V |
| AEM 18/19 | E(C,T)S00 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 3.5 | 15.0 | 15.0 |
| | E(C,T)S03 | 2.8 | 2.3 | 3.0 | 11.1 | 12.5 | 7.8 | 10.2 | 17.0 | 19.1 | 20.0 | 25.0 |
| | E(C,T)S05 | 2.8 | 3.8 | 5.0 | 18.3 | 20.8 | 13.0 | 17.1 | 26.0 | 29.5 | 30.0 | 35.0 |
| | E(C,T)S08 | 2.8 | 6.1 | 8.0 | 29.3 | 33.3 | 20.8 | 27.3 | 39.8 | 45.2 | 45.0 | 50.0 |
| | E(C,T)S10 | 2.8 | 7.6 | 10.0 | 36.5 | 41.7 | 25.9 | 34.1 | 48.8 | 55.6 | 60.0 | 60.0 |
| AEM 24/25 | E(C,T)S00 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 3.5 | 15.0 | 15.0 |
| | E(C,T)S03 | 2.8 | 2.3 | 3.0 | 11.1 | 12.5 | 7.8 | 10.2 | 17.0 | 19.1 | 20.0 | 25.0 |
| | E(C,T)S05 | 2.8 | 3.8 | 5.0 | 18.3 | 20.8 | 13.0 | 17.1 | 26.0 | 29.5 | 30.0 | 35.0 |
| | E(C,T)S08 | 2.8 | 6.1 | 8.0 | 29.3 | 33.3 | 20.8 | 27.3 | 39.8 | 45.2 | 45.0 | 50.0 |
| | E(C,T)S10 | 2.8 | 7.6 | 10.0 | 36.5 | 41.7 | 25.9 | 34.1 | 48.8 | 55.6 | 60.0 | 60.0 |
| AEM 30/31 | E(C,T)S00 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 5.1 | 15.0 | 15.0 |
| | E(C,T)S03 | 4.1 | 2.3 | 3.0 | 11.1 | 12.5 | 7.8 | 10.2 | 18.4 | 20.8 | 20.0 | 25.0 |
| | E(C,T)S05 | 4.1 | 3.8 | 5.0 | 18.3 | 20.8 | 13.0 | 17.1 | 27.4 | 31.2 | 30.0 | 35.0 |
| | E(C,T)S08 | 4.1 | 6.1 | 8.0 | 29.3 | 33.3 | 20.8 | 27.3 | 41.3 | 46.8 | 45.0 | 50.0 |
| | E(C,T)S10 | 4.1 | 7.6 | 10.0 | 36.5 | 41.7 | 25.9 | 34.1 | 50.3 | 57.2 | 60.0 | 60.0 |
| | E(C,T)S15 | 4.1 | 11.3 | 15.0 | 54.3 | 62.5 | 38.6 | 51.2 | 50/23 | 58/26 | 60/30 | 60/30 |
| AEM 36/37 | E(C,T)S00 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 5.1 | 15.0 | 15.0 |
| | E(C,T)S03 | 4.1 | 2.3 | 3.0 | 11.1 | 12.5 | 7.8 | 10.2 | 18.4 | 20.8 | 20.0 | 25.0 |
| | E(C,T)S05 | 4.1 | 3.8 | 5.0 | 18.3 | 20.8 | 13.0 | 17.1 | 27.4 | 31.2 | 30.0 | 35.0 |
| | E(C,T)S08 | 4.1 | 6.1 | 8.0 | 29.3 | 33.3 | 20.8 | 27.3 | 41.3 | 46.8 | 45.0 | 50.0 |
| | E(C,T)S10 | 4.1 | 7.6 | 10.0 | 36.5 | 41.7 | 25.9 | 34.1 | 50.3 | 57.2 | 60.0 | 60.0 |
| | E(C,T)S15 | 4.1 | 11.3 | 15.0 | 54.3 | 62.5 | 38.6 | 51.2 | 50/23 | 58/26 | 60/30 | 60/30 |
| AEM 42/43 | F(C,T)L00 | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 9.5 | 15.0 | 15.0 |
| | F(C,T)L05 | 7.6 | 3.8 | 5.0 | 18.3 | 20.8 | 13.0 | 17.1 | 31.4 | 26.0 | 40.0 | 45.0 |
| | F(C,T)L10 | 7.6 | 7.6 | 10.0 | 36.5 | 41.7 | 25.9 | 34.1 | 54.2 | 60.0 | 60.0 | 60.0 |
| | F(C,T)L15 | 7.6 | 11.3 | 15.0 | 54.3 | 62.5 | 38.6 | 51.2 | 55.2/22.8 | 60/26 | 60/30 | 60/30 |
| | F(C,T)L20 | 7.6 | 15.0 | 20.0 | 72.1 | 83.3 | 51.2 | 68.3 | 55.2/45.7 | 58/52.1 | 60/60 | 60/60 |
| | F(C,T)L25 | 7.6 | 18.8 | 25.0 | 90.4 | 104.2 | 64.2 | 85.3 | 55.2/45.7/22.8 | 58/52/26 | 60/60/30 | 60/60/30 |
| | F(C,T)L30 | 7.6 | 22.5 | 30.0 | 108.2 | 125.0 | 76.8 | 102.4 | 55.2/45.7/45.7 | 58/52/52 | 60/60/60 | 60/60/60 |
| AEM 48/49 | F(C,T)L00 | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 9.8 | 15.0 | 15.0 |
| | F(C,T)L05 | 7.6 | 3.8 | 5.0 | 18.3 | 20.8 | 13.0 | 17.1 | 31.4 | 26.0 | 40.0 | 45.0 |
| | F(C,T)L10 | 7.6 | 7.6 | 10.0 | 36.5 | 41.7 | 25.9 | 34.1 | 54.2 | 60.0 | 60.0 | 60.0 |
| | F(C,T)L15 | 7.6 | 11.3 | 15.0 | 54.3 | 62.5 | 38.6 | 51.2 | 55.2/22.8 | 60/26 | 60/30 | 60/30 |
| | F(C,T)L20 | 7.6 | 15.0 | 20.0 | 72.1 | 83.3 | 51.2 | 68.3 | 55.2/45.7 | 58/52.1 | 60/60 | 60/60 |
| | F(C,T)L25 | 7.6 | 18.8 | 25.0 | 90.4 | 104.2 | 64.2 | 85.3 | 55.2/45.7/22.8 | 58/52/26 | 60/60/30 | 60/60/30 |
| | F(C,T)L30 | 7.6 | 22.5 | 30.0 | 108.2 | 125.0 | 76.8 | 102.4 | 55.2/45.7/45.7 | 58/52/52 | 60/60/60 | 60/60/60 |
| AEM 60/61 | F(C,T)L00 | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 9.8 | 15.0 | 15.0 |
| | F(C,T)L05 | 7.6 | 3.8 | 5.0 | 18.3 | 20.8 | 13.0 | 17.1 | 31.4 | 26.0 | 40.0 | 45.0 |
| | F(C,T)L10 | 7.6 | 7.6 | 10.0 | 36.5 | 41.7 | 25.9 | 34.1 | 54.2 | 60.0 | 60.0 | 60.0 |
| | F(C,T)L15 | 7.6 | 11.3 | 15.0 | 54.3 | 62.5 | 38.6 | 51.2 | 55.2/22.8 | 60/26 | 60/30 | 60/30 |
| | F(C,T)L20 | 7.6 | 15.0 | 20.0 | 72.1 | 83.3 | 51.2 | 68.3 | 55.2/45.7 | 58/52.1 | 60/60 | 60/60 |
| | F(C,T)L25 | 7.6 | 18.8 | 25.0 | 90.4 | 104.2 | 64.2 | 85.3 | 55.2/45.7/22.8 | 58/52/26 | 60/60/30 | 60/60/30 |
| | F(C,T)L30 | 7.6 | 22.5 | 30.0 | 108.2 | 125.0 | 76.8 | 102.4 | 55.2/45.7/45.7 | 58/52/52 | 60/60/60 | 60/60/60 |

AEM
AIR HANDLERS

BLOWER DATA

| MODEL | SPEED TAP | MOTOR HP | MOTOR AMPS | MOTOR VOLTAGE | CFM V. EXTERNAL STATIC * | | | | | | |
|-----------------------|-----------|----------|------------|---------------|--------------------------|------|------|------|------|------|------|
| | | | | | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 |
| AEM 18/19/24/25 | TAP 5 | 1/3 | 2.8 | 240 | 932 | 894 | 862 | 827 | 800 | 762 | |
| | TAP 4 | | | | 750 | 706 | 674 | 627 | 600 | 561 | |
| | TAP 3 | | | | 600 | 565 | 539 | 502 | 480 | 449 | |
| | TAP 2 | | | | 750 | 706 | 674 | 627 | 600 | 561 | |
| | TAP 1 | | | | 932 | 894 | 862 | 827 | 800 | 762 | |
| AEM 30/31/36/37 | TAP 5 | 1/2 | 4.1 | | 1291 | 1280 | 1252 | 1227 | 1200 | 1171 | |
| | TAP 4 | | | | 1122 | 1091 | 1066 | 1034 | 1000 | 982 | |
| | TAP 3 | | | | 898 | 873 | 853 | 827 | 800 | 786 | |
| | TAP 2 | | | | 745 | 698 | 668 | 630 | 600 | 558 | |
| | TAP 1 | | | | 1291 | 1280 | 1252 | 1227 | 1200 | 1171 | |
| AEM 42/43/48/49/60/61 | TAP 5 | 1 | 7.6 | 2018 | 1987 | 1961 | 1922 | 1889 | 1856 | 1823 | |
| | TAP 4 | | | 1738 | 1696 | 1667 | 1636 | 1598 | 1566 | 1527 | |
| | TAP 3 | | | 1546 | 1521 | 1482 | 1439 | 1396 | 1360 | 1321 | |
| | TAP 2 | | | 1367 | 1342 | 1303 | 1260 | 1217 | 1181 | 1142 | |
| | TAP 1 | | | 2018 | 1987 | 1961 | 1922 | 1889 | 1856 | 1823 | |

*Wet coil

AIR HANDLER CHASSIS NOMENCLATURE

| AEM | 18 | F | -001 |
|---|-------------------------|--|-------------|
| AEM = 240V Constant torque ECM 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 = Flo-rater X = non-bleed A/C or H/P R22 TXV | Option Code |

ELECTRIC HEAT KIT NOMENCLATURE

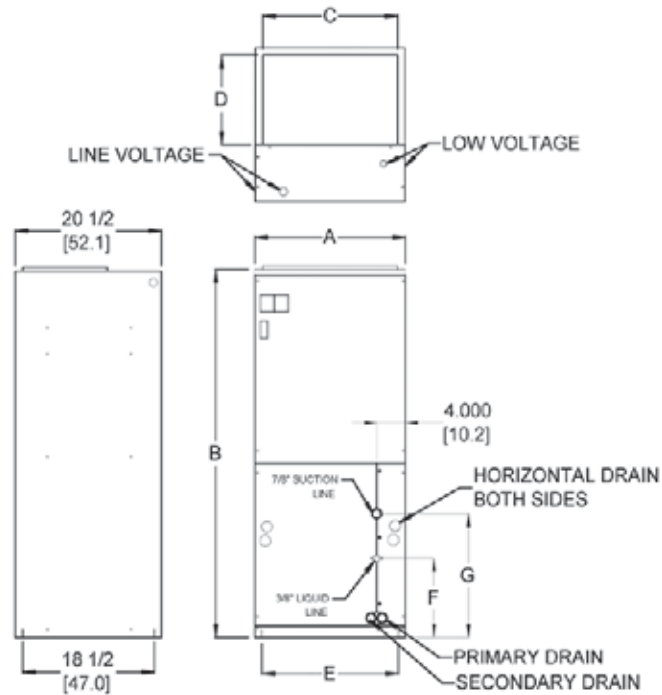
| E | C | S | 03 |
|---------------|--|------------------------|--|
| Electric Heat | <u>Interruption</u> C = Circuit Breaker T = Terminal Block P = Circuit Breaker w/ Single Point 3 = 3-Phase Circuit Breaker 4 = 3-Phase Terminal Block | S = 18-37 L = 42-61 | <u>Heat Strip</u> 00 = 0 KW 03 = 3 KW 05 = 5 KW 06 = 6 KW 08 = 8 KW 10 = 10 KW 12 = 12 KW 15 = 15 KW 20 = 20 KW 24 = 24 KW 25 = 25 KW 30 = 30 KW |

AEM

AIR HANDLERS

DIMENSIONS AND SPECIFICATIONS

| MODEL | A" | B" | C" | D" | E" | F" | G" | FILTER SIZE | PISTON SIZE | SHIP WEIGHT (LBS) | SKID QTY |
|-------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|-------------|-------------|-------------------|----------|
| AEM18,19+E* | 21 [53] | 40 [102] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 7-1/4 [18] | 10-1/4 [26] | 16X20 | 0.055 | 99 | 8 |
| AEM24,25+E* | 21 [53] | 40 [102] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 8-1/4 [21] | 12-1/4 [31] | 16X20 | 0.059 | 100 | 8 |
| AEM30,31+E* | 21 [53] | 49 1/4 [125] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 8-1/4 [21] | 14-1/4 [36] | 16X20 | 0.068 | 118 | 4 |
| AEM36,37+E* | 21 [53] | 49 1/4 [125] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 10-1/4 [26] | 16-1/4 [41] | 16X20 | 0.074 | 147 | 4 |
| AEM42,43+E* | 24-1/2 [62] | 57 [145] | 22-1/4 [57] | 10-1/2 [27] | 22 [56] | 11 [28] | 16 [41] | 20X20 | 0.080 | 153 | 3 |
| AEM48,49+E* | 24-1/2 [62] | 57 [145] | 22-1/4 [57] | 10-1/2 [27] | 22 [56] | 13 [33] | 18 [46] | 20X20 | 0.084 | 180 | 3 |
| AEM60,61+E* | 24-1/2 [62] | 57 [145] | 22-1/4 [57] | 10-1/2 [27] | 22 [56] | 15 [38] | 20 [51] | 20X20 | 0.092 | 200 | 3 |



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AEM
AIR HANDLERS



PRODUCT DIMENSIONS & SPECIFICATIONS

AEW SERIES VERTICAL WALL MOUNT ELECTRIC HEAT DX COOL AIR HANDLERS

AIR HANDLERS
AEW



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

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. ETL listed for use with either R22 or R410a when a proper metering device is used.

MOTOR

Pre-programmed, 5-speed, ECM motors that ensure higher efficiency and increased energy savings by delivering constant torque during operation.

CABINET

Sturdy, short galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available in 3, 5, 8, & 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. Fan time delay relay standard for increased efficiency.

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.

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 check style flowrater or TXV metering device. Field-installable TXVs are also available. 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

Five-year limited parts warranty.

OPTIONS

See options menu.

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* For complete warranty details visit www.aspenmfg.com.

Revised 01/11/17. In keeping with its policy of continuous progress and product improvement, Aspen reserves the right to make changes without notice and incurring obligation. © 2017

HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| MODEL | HEAT KIT | PERFORMANCE DATA | | | | | ELECTRICAL DATA | | | | | |
|-----------|-----------|------------------------|--------------|------|--------------------------|------|----------------------|------|-----------------------------|------|-----------------------------|------|
| | | NOMINAL COOLING (TONS) | HEATING (KW) | | HEATING CAPACITY (MBTUH) | | MIN-CIRCUIT AMPACITY | | MAX. OVERCURRENT PROTECTION | | MAX FUSE OR CIRCUIT BREAKER | |
| | | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V |
| AEW18 | F(C,T)S00 | 1-1/2 | 0 | 0 | 0.0 | 0.0 | 3.5 | 3.5 | 6.3 | 6.3 | 15 | 15 |
| | F(C,T)S03 | | 2.3 | 3 | 7.8 | 10.2 | 17.0 | 19.1 | 17.1 | 18.8 | 20 | 20 |
| | F(C,T)S05 | | 3.8 | 5 | 13.0 | 17.1 | 26.0 | 29.5 | 24.3 | 27.1 | 30 | 30 |
| | F(C,T)S08 | | 6.0 | 8 | 20.8 | 27.3 | 39.6 | 45.2 | 35.2 | 39.6 | 40 | 50 |
| | F(C,T)S10 | | 7.5 | 10 | 24.9 | 32.8 | 48.6 | 55.6 | 42.4 | 48.0 | 50 | 60 |
| AEW20*/24 | F(C,T)S00 | 2 | 0 | 0 | 0.0 | 0.0 | 3.5 | 3.5 | 6.3 | 6.3 | 15 | 15 |
| | F(C,T)S03 | | 2.3 | 3 | 7.8 | 10.2 | 17.0 | 19.1 | 17.1 | 18.8 | 20 | 20 |
| | F(C,T)S05 | | 3.8 | 5 | 13.0 | 17.1 | 26.0 | 29.5 | 24.3 | 27.1 | 30 | 30 |
| | F(C,T)S08 | | 6.0 | 8 | 20.8 | 27.3 | 39.6 | 45.2 | 35.2 | 39.6 | 40 | 50 |
| | F(C,T)S10 | | 7.5 | 10 | 24.9 | 32.8 | 48.6 | 55.6 | 42.4 | 48.0 | 50 | 60 |
| AEW30 | F(C,T)S00 | 2-1/2 | 0 | 0 | 0.0 | 0.0 | 5.1 | 5.1 | 9.2 | 9.2 | 15 | 15 |
| | F(C,T)S03 | | 2.3 | 3 | 7.8 | 10.2 | 18.7 | 20.8 | 20.0 | 21.7 | 25 | 25 |
| | F(C,T)S05 | | 3.8 | 5 | 13.0 | 17.1 | 27.7 | 31.2 | 27.3 | 30.1 | 30 | 35 |
| | F(C,T)S08 | | 6.0 | 8 | 20.8 | 27.3 | 41.2 | 46.8 | 38.1 | 42.6 | 45 | 50 |
| | F(C,T)S10 | | 7.5 | 10 | 24.9 | 32.8 | 50.2 | 57.2 | 45.3 | 50.9 | 60 | 60 |
| AEW36 | F(C,T)S00 | 3 | 0 | 0 | 0.0 | 0.0 | 5.1 | 5.1 | 9.2 | 9.2 | 15 | 15 |
| | F(C,T)S03 | | 2.3 | 3 | 7.8 | 10.2 | 18.7 | 20.8 | 20.0 | 21.7 | 25 | 25 |
| | F(C,T)S05 | | 3.8 | 5 | 13.0 | 17.1 | 27.7 | 31.2 | 27.3 | 30.1 | 30 | 35 |
| | F(C,T)S08 | | 6.0 | 8 | 20.8 | 27.3 | 41.2 | 46.8 | 38.1 | 42.6 | 45 | 50 |
| | F(C,T)S10 | | 7.5 | 10 | 24.9 | 32.8 | 50.2 | 57.2 | 45.3 | 50.9 | 60 | 60 |

BLOWER DATA

| MODEL | SPEED TAP | MOTOR HP | MOTOR AMPS | MOTOR VOLTAGE | CFM V. EXTERNAL STATIC * † | | | | |
|--------------|-----------|----------|------------|---------------|----------------------------|------|------|------|------|
| | | | | | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 |
| AEW 18/20/24 | TAP 5 | 1/3 | 2.8 | 240 | 909 | 864 | 840 | 800 | 782 |
| | TAP 4 | | | | 723 | 690 | 652 | 631 | 600 |
| | TAP 3 | | | | 600 | 565 | 539 | 502 | 480 |
| | TAP 2 | | | | 723 | 690 | 652 | 631 | 600 |
| | TAP 1 | | | | 909 | 864 | 840 | 800 | 782 |
| AEW 30/36 | TAP 5 | 1/2 | 4.1 | | 1365 | 1332 | 1303 | 1271 | 1240 |
| | TAP 4 | | | | 1174 | 1132 | 1106 | 1078 | 1047 |
| | TAP 3 | | | | 898 | 873 | 853 | 827 | 800 |
| | TAP 2 | | | | 745 | 698 | 668 | 630 | 600 |
| | TAP 1 | | | | 1365 | 1332 | 1303 | 1271 | 1240 |

* Wet coil with filter † For 208 operation multiply by 0.90

AIR HANDLER CHASSIS NOMENCLATURE

| AEW | 18 | F | -001 |
|---|-------------------------|--|-------------|
| AEW = 240V X13 Motor Vertical Wall Mount | Nominal tonnage (MBTUH) | Metering device 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 |

AEW AIR HANDLERS

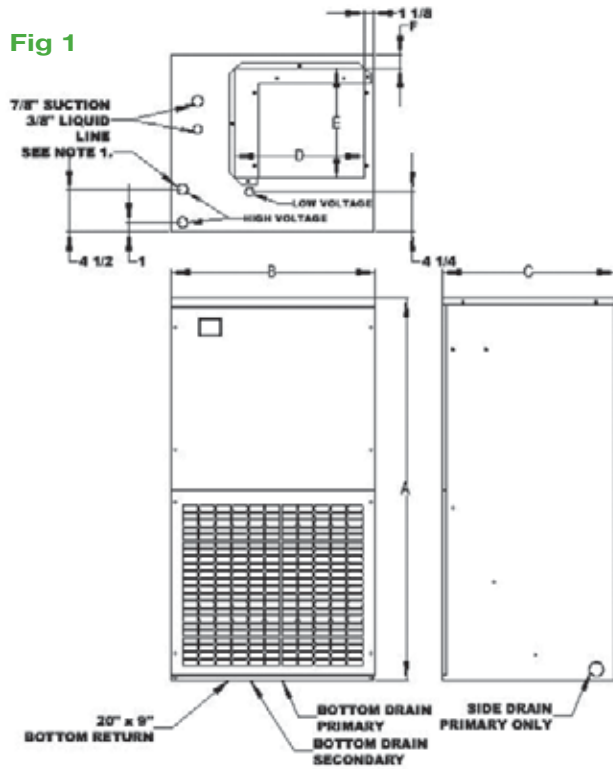
ELECTRIC HEAT KIT NOMENCLATURE

| F | C | S | O3 |
|-----------------------------|---|-----------|--|
| Wall Mount Electric Heat | Interruption C = Circuit Breaker T = Terminal Block | S = 18-36 | Heat Strip O3 = 3 KW O5 = 5 KW O8 = 8 KW O10 = 10 KW |

DIMENSIONS AND SPECIFICATIONS (Fig 1)

| MODEL | HEIGHT A" | WIDTH B" | DEPTH C" | D" | E" | F" | FILTER SIZE | PISTON SIZE | SHIP WEIGHT (LBS) | SKID QTY |
|------------|-----------------|-------------|----------------|------------|----------------|----------------|----------------|----------------|-------------------------|-------------|
| AEW18* | 37 1/2 (95) | 22 (56) | 18 3/4 (48) | 14 (36) | 10 (25) | 3-1/4 (8.3) | 20X20 | 0.055 | 90 | 4 |
| AEW24* | 37 1/2 (95) | 22 (56) | 18 3/4 (48) | 14 (36) | 10 (25) | 3-1/4 (8.3) | 20X20 | 0.059 | 90 | 4 |
| AEW20*/30* | 40 1/2 (103) | 22 (56) | 18 3/4 (48) | 14 (36) | 11-1/2 (29) | 1-3/8 (3.5) | 20X20 | 0.068 | 102 | 4 |
| AEW36* | 40 1/2 (103) | 22 (56) | 18 3/4 (48) | 14 (36) | 11-1/2 (29) | 1-3/8 (3.5) | 20X20 | 0.074 | 102 | 4 |

Fig 1

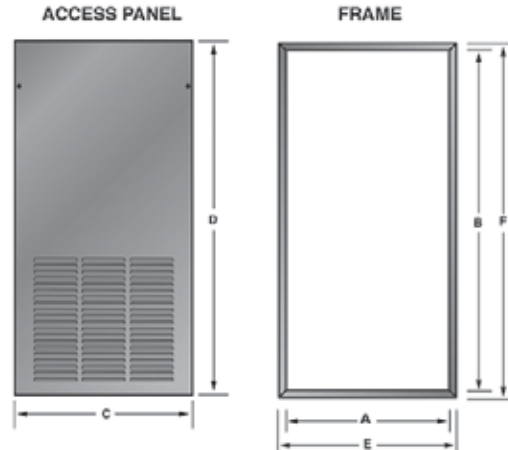


NOTE 1. CODE MAY REQUIRE INSTALLER TO USE CONDUIT INSIDE CABINET TO ELECTRICAL ENCLOSURE.

INSTALLATION CLEARANCES

| | OPERATION | SERVICE |
|-------|-----------|---------|
| TOP | 0" | 0" |
| FRONT | 0" | 30" |
| SIDES | 0" | 0" |
| REAR | 0" | 0" |

Fig 2



ACCESS PANEL DIMENSIONS AND SPECIFICATIONS (Fig 2)

| PANEL MODEL | FOR USE WITH | OPENING SIZE | | PANEL DIMENSION | | FRAME DIMENSION | | # OF PANELS |
|----------------|--------------|--------------|--------|-----------------|--------|-----------------|--------|----------------|
| | | A | B | C | D | E | F | |
| WAD-7(S/L) | AEW 18/24 | 22-1/4 | 39-1/2 | 24-1/4 | 41-1/2 | 24-1/8 | 41-3/8 | 1 |
| WAD-8(S/L) | AEW 20/30/36 | 22-1/4 | 42-1/2 | 24-1/4 | 44-1/2 | 24-1/8 | 44-3/8 | 1 |



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PRODUCT DIMENSIONS & SPECIFICATIONS

AFL SERIES MULTI-POSITION HIGH EFFICIENCY HYDRONIC FURNACE

STANDARD FEATURES

APPLICATION VERSATILITY

Upflow, downflow, horizontal left or horizontal right as shipped.

MOTOR

X-13 has 5 speed taps, Variable speed available with special wiring. Motors are pre-programmed at the factory.

CABINET

Sturdy, low profile galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" faced insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack.

MODULAR HYDRONIC HEAT KITS

Standard Heats kits available with either circuit breakers or terminal blocks and are easily installed in the field using molex plugs or can be ordered factory-installed. Freeze stat is standard, wired into circulating pump control circuit. Controls are accessible from the front for easy service. Electrical connections can be made from the top or left. Fan time delay relay standard for increased efficiency. Heat kits are available with or without circulating pump and check valve. Units are provided with auxiliary relay for remote pump. Schrader ports are standard on water-out manifold, hose bib available as an option.

BLOWER

Direct drive multi-speed blowers circulate air quietly and efficiently and allow for precise air volume selection. 5 Motor speeds can be easily selected via motor terminals. Blowers mounted on rails so they can be easily removed for service.

WARRANTY

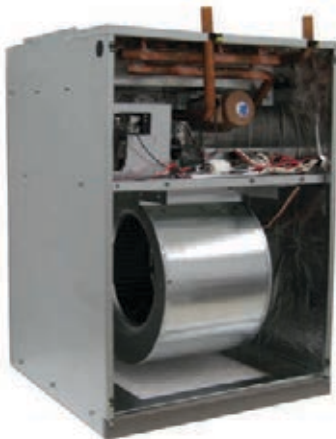
Five-year limited parts warranty.

OPTIONS

See options menu.



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



AFL
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HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| UNIT MODEL | HYDRONIC HEAT KIT MODEL | PERFORMANCE DATA | | | | | | | | ELECTRICAL DATA | |
|------------|-------------------------|------------------|--------------|-----------|---------------|---|-------|--------|--------|-----------------------------|-----------------------------|
| | | MOTOR SPEED TAP | HEATING COIL | | Δ P FT. WATER | HEATING AT 3.5 GPM CAPACITY BTU/HR at 3.5 GPM | | | | MIN. CIR. AMPACITY 120 volt | MAX FUSE OR CIRCUIT BREAKER |
| | | | ROW | SLAB SIZE | | 120° | 140° | 160° | 180° | | |
| AFLS | WC2SP | 2 | 2 | 18 x 12 | 2.8 | 17700 | 24900 | 32300 | 39600 | 6.7 | 15 |
| | | 1 | 2 | 18 x 12 | 2.8 | 20200 | 28500 | 36900 | 45400 | | |
| | WC3SP | 2 | 3 | 18 x 12 | 2.1 | 21600 | 30500 | 39400 | 48400 | | |
| | | 1 | 3 | 18 x 12 | 2.1 | 25000 | 35300 | 45800 | 56300 | | |
| | WC2SR | 2 | 2 | 18 x 12 | 5.6 | 18700 | 26400 | 34100 | 41900 | 8.3 | 15 |
| | | 1 | 2 | 18 x 12 | 5.6 | 21600 | 30500 | 39500 | 48500 | | |
| | WC3SR | 2 | 3 | 18 x 12 | 4.2 | 22900 | 32300 | 41700 | 51200 | | |
| | | 1 | 3 | 18 x 12 | 4.2 | 26900 | 38000 | 49100 | 60300 | | |
| AFLM | WC2SP | 2 | 2 | 18 x 12 | 2.8 | 22100 | 31300 | 40500 | 49900 | 9.2 | 15 |
| | | 1 | 2 | 18 x 12 | 2.8 | 23700 | 33500 | 43500 | 53600 | | |
| | WC3SP | 2 | 3 | 18 x 12 | 2.1 | 27700 | 39100 | 50700 | 62400 | | |
| | | 1 | 3 | 18 x 12 | 2.1 | 29800 | 42100 | 54700 | 67300 | | |
| | WC4SP | 2 | 4 | 18 x 12 | 1.1 | 31000 | 43900 | 57000 | 70100 | 10.8 | 15 |
| | | 1 | 4 | 18 x 12 | 1.1 | 33500 | 47400 | 61500 | 75800 | | |
| | WC2SR | 2 | 2 | 18 x 12 | 5.6 | 23900 | 33800 | 43700 | 53800 | | |
| | | 1 | 2 | 18 x 12 | 5.6 | 25800 | 36500 | 47300 | 58200 | | |
| | WC3SR | 2 | 3 | 18 x 12 | 4.2 | 30100 | 42500 | 55100 | 67700 | | |
| | | 1 | 3 | 18 x 12 | 4.2 | 32800 | 46300 | 60000 | 73700 | | |
| | WC4SR | 2 | 4 | 18 x 12 | 2.2 | 34000 | 48000 | 62300 | 76600 | | |
| | | 1 | 4 | 18 x 12 | 2.2 | 37200 | 52600 | 68100 | 83800 | | |
| AFLF | WC2LP | 3 | 2 | 22 x 14.5 | 3.6 | 30200 | 42600 | 55300 | 68000 | 14.3 | 15 |
| | | 2 | 2 | 22 x 14.5 | 3.6 | 31700 | 44800 | 58000 | 71400 | | |
| | | 1 | 2 | 22 x 14.5 | 3.6 | 32900 | 46600 | 60400 | 74400 | | |
| | WC3LP | 3 | 3 | 22 x 14.5 | 1.7 | 36300 | 51400 | 66700 | 76600 | | |
| | | 2 | 3 | 22 x 14.5 | 1.7 | 38200 | 54000 | 70100 | 80600 | | |
| | | 1 | 3 | 22 x 14.5 | 1.7 | 39700 | 56200 | 73000 | 84000 | | |
| | WC4LP | 3 | 4 | 22 x 14.5 | 1.1 | 43600 | 61600 | 79900 | 92900 | | |
| | | 2 | 4 | 22 x 14.5 | 1.1 | 45900 | 64900 | 84200 | 98000 | | |
| | | 1 | 4 | 22 x 14.5 | 1.1 | 47800 | 67600 | 87700 | 102200 | | |
| | WC2LR | 3 | 2 | 22 x 14.5 | 7.2 | 33200 | 46800 | 60600 | 74500 | 15.8 | 15 |
| | | 2 | 2 | 22 x 14.5 | 7.2 | 35000 | 49400 | 64000 | 78700 | | |
| | | 1 | 2 | 22 x 14.5 | 7.2 | 36600 | 51800 | 67100 | 82500 | | |
| | WC3LR | 3 | 3 | 22 x 14.5 | 3.4 | 40500 | 57300 | 74200 | 84400 | | |
| | | 2 | 3 | 22 x 14.5 | 3.4 | 42900 | 60700 | 78600 | 89500 | | |
| | | 1 | 3 | 22 x 14.5 | 3.4 | 45000 | 63600 | 82500 | 94000 | | |
| | WC4LR | 3 | 4 | 22 x 14.5 | 2.2 | 49000 | 69300 | 89700 | 103600 | | |
| | | 2 | 4 | 22 x 14.5 | 2.2 | 52200 | 73800 | 95600 | 110400 | | |
| | | 1 | 4 | 22 x 14.5 | 2.2 | 55000 | 77700 | 100800 | 116300 | | |

AIR HANDLERS

AFL

X-13 BLOWER DATA

| MODEL | MOTOR SPEED | CFM V. EXTERNAL STATIC* | | | | |
|----------------------------------|-------------|-------------------------|------|------|------|------|
| | | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 |
| AFLS+ WC2SR WC3SR | 1 | 900 | 855 | 800 | 740 | 675 |
| | 2 | 670 | 650 | 615 | 600 | 550 |
| | 3 | 460 | 445 | 420 | 400 | 385 |
| | 4 | 900 | 855 | 800 | 740 | 675 |
| | 5 | 350 | 335 | 315 | 300 | 280 |
| AFLM+ WC2SR WC3SR WC4SR | 1 | 1200 | 1130 | 1085 | 1030 | 985 |
| | 2 | 1140 | 1090 | 1030 | 975 | 910 |
| | 3 | 905 | 870 | 835 | 800 | 740 |
| | 4 | 760 | 730 | 695 | 650 | 605 |
| | 5 | 475 | 450 | 425 | 400 | 375 |
| AFL+ WC2LR WC3LR WC4LR | 1 | 1875 | 1800 | 1730 | 1690 | 1625 |
| | 2 | 1705 | 1660 | 1600 | 1530 | 1480 |
| | 3 | 1495 | 1460 | 1430 | 1400 | 1365 |
| | 4 | 1340 | 1295 | 1255 | 1200 | 1140 |
| | 5 | 910 | 875 | 840 | 800 | 745 |

* Dry coil with filter in place

PHYSICAL DATA

| MODEL | | AFLS | AFLM | AFL |
|------------------------------|------------------------|---|----------|----------|
| TRANSFORMER | | 40 VA, CLASS 2. 120 VOLT PRIMARY, 24 VOLT SECONDARY | | |
| VOLTAGE | | 120 VOLT - 60HZ | | |
| FILTER SIZE | | 16x20x1 | 16x20x1 | 20x20x1 |
| BLOWER DATA | WHEEL (DIA." x WIDTH") | 9 x 6 | 10 x 8 | 12 x 9 |
| | MOTOR HP | 1/3 | 1/2 | 1 |
| | MOTOR F.L.A. | 4.8 | 6.8 | 10.9 |
| | FACTORY SPEED TAP | TAP 1 | TAP 1 | TAP 1 |
| | NOMINAL CFM RANGE | 800-300 | 1200-400 | 1800-800 |
| PUMP DATA 006 STANDARD | PUMP VOLTAGE | 115 | | |
| | PUMP HP | 1/40 | | |
| | PUMP AMPS | .52 | | |
| PUMP DATA 009 SPECIAL | PUMP VOLTAGE | 115 | | |
| | PUMP HP | 1/8 | | |
| | PUMP AMPS | 1.8 | | |

AIR HANDLER CHASSIS NOMENCLATURE

| AFL | S | -001 |
|--|---|-------------|
| AFL = 120V X13 Motor Low Boy Hydronic Furnace | S = 18 & 24 M = 30 & 36 L = 42, 48 & 60 | Option Code |

HYDRONIC HEAT KIT NOMENCLATURE

| W | C | 2 | S | P |
|---------------------------------|--|--|--------------------------------------|---|
| Multi-position Hydronic Heat | <u>Interruption</u> C = Circuit Breaker T = Terminal Block | # of rows 2 = 2 rows 3 = 3 rows 4 = 4rows | S = 18, 24, 30, 36 L = 42, 48, 60 | P = with 006 pump R = with 009 pump L = less pump |

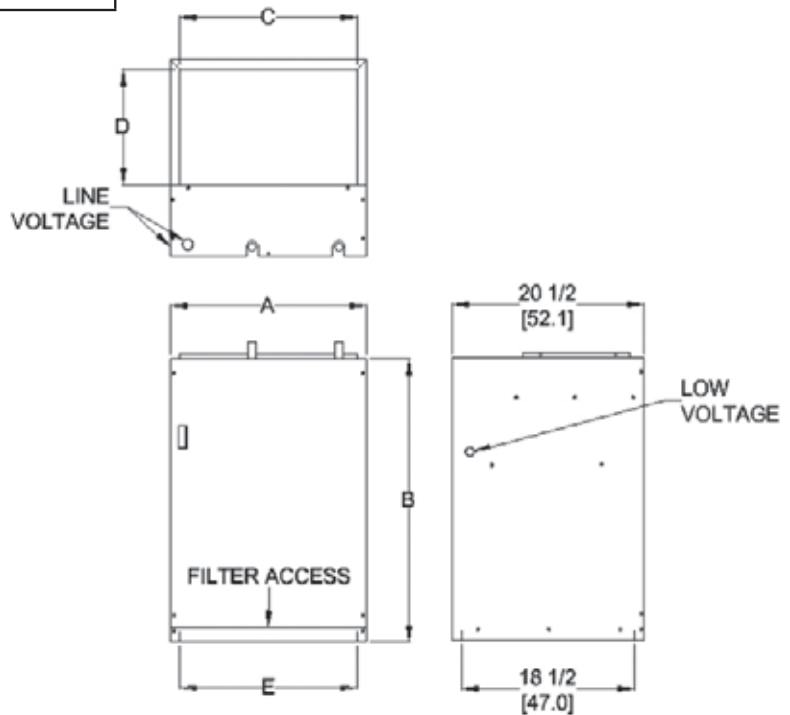
AFL AIR HANDLERS

DIMENSIONS AND SPECIFICATIONS

| MODEL | WIDTH A" | HEIGHT B" | DUCT OPENING | | BOTTOM OPENING | FILTER SIZE | SHIP WEIGHT (LBS) | SKID QTY |
|-------|-------------|--------------|--------------|--------|-------------------|----------------|-------------------------|-------------|
| | | | C" | D" | E" | | | |
| AFLS | 21 | 21 | 18-3/4 | 12 | 18-1/2 | 16 x 16 | 83 | 8 |
| AFLM | 21 | 21 | 18-3/4 | 12 | 18-1/2 | 16 x 16 | 85 | 6 |
| AFL | 24-1/2 | 21 | 22-1/4 | 14-1/2 | 22-1/4 | 20 x 20 | 110 | 6 |

INSTALLATION CLEARANCES

| | OPERATION | SERVICE |
|-------|-----------|---------|
| TOP | 0" | 0" |
| FRONT | 0" | 30" |
| SIDES | 0" | 0" |
| REAR | 0" | 0" |



AIR HANDLERS AFL



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PRODUCT DIMENSIONS & SPECIFICATIONS

AFM SERIES HIGH EFFICIENCY MULTI-POSITION HYDRONIC HEAT DX COOL 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 certified 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.

MOTOR

Constant torque ECM speeds and torques are controlled by software embedded in the motor to maintain constant torque. Motors are pre-programmed at the factory.

CABINET

Sturdy, galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack.

BLOWER

Direct drive blowers circulate air quietly and efficiently. Motor speeds and torques programmed in the motor. Blowers mounted on rails so they can be easily removed for service.

ELECTRONIC CONTROL BOARD

An electronic board controls the functioning of the system reducing moving parts. The board provides for various hot water supply source connections and the blower time delay to maximize heat/cool extraction. As an enhanced feature the pump circulates hot water every 6 hours to prevent coil freeze during off cycle.

MODULAR HYDRONIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available in 2, 3 & 4 row, providing 16,000 to 59,000 BTU's of heat. Heat kits are easily installed in the field using mox plugs or can be ordered factory-installed. Freeze stat is standard, wired into circulating pump control circuit. 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. Heat kits are available with or without circulating pump and check valve. Units are provided with auxiliary relay for remote pump. Schrader ports are standard on water-out manifold, hose bib available as an option.

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, UV safe, GLP drain pan holds minimal condensate while eliminating the possibility of corrosion. 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

Five-year limited parts warranty.

OPTIONS

See options menu.

AFM
AIR HANDLERS

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* For complete warranty details visit www.aspenmfg.com.

Revised 01/11/17. In keeping with its policy of continuous progress and product improvement, Aspen reserves the right to make changes without notice and incurring obligation. © 2017

HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| UNIT MODEL | PERFORMANCE DATA | | | | | | | | ELECTRICAL DATA | |
|-----------------------|-------------------------|-----------------|--------------|-----------|-------------------------------------|--|-------|--------|----------------------------------|-----------------------------------|
| | HYDRONIC HEAT KIT MODEL | NOMINAL COOLING | HEATING COIL | | Hydronic Coil Delta P. Ft. Water | HEATING AT 3.5 GPM CAPACITY BTU/HR at 3.5 GPM | | | MIN.CIR. AMPACITY 120 volt | MAX FUZE OR CIRCUIT BREAKER |
| | | | ROW | SIZE | | ENTERING WATER TEMP | | | | |
| | | | | | | 120° | 140° | 180° | | |
| AFM 18, 19 | W(C,T)2S(P,L) | 1.5 | 2 | 18"x12" | 2.8 | 17700 | 24900 | 39600 | 6.6 | 15 |
| | W(C,T)3S(P,L) | | 3 | 18"x12" | 2.1 | 21600 | 30500 | 48400 | | |
| AFM 24, 25 | W(C,T)2S(P,L) | 2 | 2 | 18"x12" | 2.8 | 20200 | 28500 | 45400 | 6.6 | 15 |
| | W(C,T)3S(P,L) | | 3 | 18"x12" | 2.1 | 25000 | 35300 | 56300 | | |
| AFM 30, 31 | W(C,T)2S(P,L) | 2.5 | 2 | 18"x12" | 2.8 | 22100 | 31300 | 49900 | 9.1 | 20 |
| | W(C,T)3S(P,L) | | 3 | 18"x12" | 2.1 | 27700 | 39100 | 62400 | | |
| | W(C,T)4S(P,L) | | 4 | 18"x12" | 1.1 | 31000 | 43900 | 70100 | | |
| AFM 36, 37 | W(C,T)2S(P,L) | 3 | 2 | 18"x12" | 2.8 | 23700 | 33500 | 53600 | 9.1 | 20 |
| | W(C,T)3S(P,L) | | 3 | 18"x12" | 2.1 | 29800 | 42100 | 67300 | | |
| | W(C,T)4S(P,L) | | 4 | 18"x12" | 1.1 | 33500 | 47400 | 75800 | | |
| AFM 42, 43 | W(C,T)2L(P,L) | 3.5 | 2 | 22"x14.5" | 3.6 | 30200 | 42600 | 68000 | 14.3 | 30 |
| | W(C,T)3L(P,L) | | 3 | 22"x14.5" | 1.7 | 36300 | 51400 | 76600 | | |
| | W(C,T)4L(P,L) | | 4 | 22"x14.5" | 1.1 | 43600 | 61600 | 92900 | | |
| AFM 48, 49 | W(C,T)2L(P,L) | 4 | 2 | 22"x14.5" | 3.6 | 31700 | 44800 | 71400 | 14.3 | 30 |
| | W(C,T)3L(P,L) | | 3 | 22"x14.5" | 1.7 | 38200 | 54000 | 80600 | | |
| | W(C,T)4L(P,L) | | 4 | 22"x14.5" | 1.1 | 45900 | 64900 | 98000 | | |
| AFM 60, 61 | W(C,T)2L(P,L) | 5 | 2 | 22"x14.5" | 3.6 | 32900 | 46600 | 74400 | 14.3 | 30 |
| | W(C,T)3L(P,L) | | 3 | 22"x14.5" | 1.7 | 39700 | 56200 | 84000 | | |
| | W(C,T)4L(P,L) | | 4 | 22"x14.5" | 1.1 | 47800 | 67600 | 102200 | | |
| UNIT MODEL | PERFORMANCE DATA | | | | | | | | ELECTRICAL DATA | |
| | HYDRONIC HEAT KIT MODEL | NOMINAL COOLING | HEATING COIL | | Hydronic Coil Delta P. Ft. Water | HEATING AT 5 GPM CAPACITY BTU/HR at 5 GPM | | | MIN.CIR. AMPACITY 120 volt | MAX FUZE OR CIRCUIT BREAKER |
| | | | ROW | SIZE | | ENTERING WATER TEMP | | | | |
| | | | | | | 120° | 140° | 180° | | |
| AFM 18/19/24/25 | W(C,T)2S(P,L) | Low | 2 | 18"x12" | 5.6 | 18700 | 26400 | 41900 | 6.6 | 15 |
| | W(C,T)2S(P,L) | High | 2 | 18"x12" | 5.6 | 22600 | 31600 | 49500 | | |
| | W(C,T)3S(P,L) | Low | 3 | 18"x12" | 4.2 | 22900 | 32300 | 51200 | | |
| | W(C,T)3S(P,L) | High | 3 | 18"x12" | 4.2 | 26900 | 38000 | 60300 | | |
| AFM 30/31/36/37 | W(C,T)2S(P,L) | Low | 2 | 18"x12" | 5.6 | 23900 | 33800 | 53800 | 9.1 | 20 |
| | W(C,T)2S(P,L) | High | 2 | 18"x12" | 5.6 | 25800 | 36500 | 58200 | | |
| | W(C,T)3S(P,L) | Low | 3 | 18"x12" | 4.2 | 30100 | 42500 | 67700 | | |
| | W(C,T)3S(P,L) | High | 3 | 18"x12" | 4.2 | 32800 | 46300 | 73700 | | |
| | W(C,T)4L(P,L) | Low | 4 | 18"x12" | 2.2 | 34000 | 48000 | 76600 | | |
| | W(C,T)4L(P,L) | High | 4 | 18"x12" | 2.2 | 37200 | 52600 | 83800 | | |
| AFM 42/43/48/49/60/61 | W(C,T)2L(P,L) | Low | 2 | 22"x14.5" | 5.6 | 33200 | 46800 | 74500 | 14.3 | 30 |
| | W(C,T)2L(P,L) | High | 2 | 22"x14.5" | 5.6 | 36600 | 51800 | 82500 | | |
| | W(C,T)3L(P,L) | Low | 3 | 22"x14.5" | 4.2 | 40500 | 57300 | 84400 | | |
| | W(C,T)3L(P,L) | High | 3 | 22"x14.5" | 4.2 | 45000 | 63600 | 94000 | | |
| | W(C,T)4L(P,L) | Low | 4 | 22"x14.5" | 2.2 | 49000 | 69300 | 103600 | | |
| | W(C,T)4L(P,L) | High | 4 | 22"x14.5" | 2.2 | 55000 | 77700 | 116300 | | |

HYDRONIC HEAT KIT NOMENCLATURE

| W | C | 2 | S | P |
|-----------------------|---|--|--|---------------------------|
| Water heat (hydronic) | Interruption C = Circuit Breaker T = Terminal Block | 2- 2 Row Hydronic Coil 3- 3 Row Hydronic Coil 4- 4 Row Hydronic Coil | S= 18-37, Coil size- 18 x 12 L= 42-61, Coil size- 22 x 14.5 | P= w/pump L= less pump |

BLOWER DATA

| MODEL | SPEED TAP | MOTOR HP | MOTOR AMPS | MOTOR VOLTAGE | CFM V. EXTERNAL STATIC* | | | | |
|--------------------|-----------|----------|------------|---------------|-------------------------|------|------|------|------|
| | | | | | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 |
| AFM 18/19/24/25 | TAP 5 | 1/3 | 4.8 | 120 | 900 | 853 | 797 | 738 | 673 |
| | TAP 4 | | | | 670 | 646 | 613 | 592 | 553 |
| | TAP 3 | | | | 500 | 476 | 452 | 421 | 400 |
| | TAP 2 | | | | 400 | 381 | 360 | 339 | 312 |
| | TAP 1 | | | | 900 | 853 | 797 | 738 | 673 |
| AFM 30/31/36/37 | TAP 5 | 1/2 | 6.8 | | 1150 | 1087 | 1030 | 975 | 910 |
| | TAP 4 | | | | 1080 | 1048 | 1010 | 960 | 895 |
| | TAP 3 | | | | 900 | 862 | 825 | 796 | 745 |
| | TAP 2 | | | | 700 | 663 | 632 | 600 | 552 |
| | TAP 1 | | | | 500 | 473 | 449 | 421 | 395 |
| AFM 42/43/48/60/61 | TAP 5 | 1 | 10.9 | 1850 | 1806 | 1752 | 1700 | 1652 | |
| | TAP 4 | | | 1704 | 1656 | 1600 | 1532 | 1479 | |
| | TAP 3 | | | 1494 | 1461 | 1426 | 1400 | 1364 | |
| | TAP 2 | | | 1350 | 1310 | 1272 | 1229 | 1175 | |
| | TAP 1 | | | 676 | 652 | 621 | 600 | 559 | |

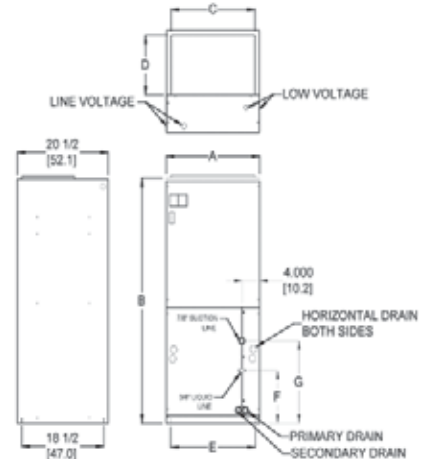
*Dry coil

AIR HANDLER CHASSIS NOMENCLATURE

| AFM | 18 | G | -001 |
|---|-------------------------|--|-------------|
| AFM = 120V Constant torque ECM Multi-Position Air Handler | Nominal tonnage (MBTUH) | Metering device 4 = non-bleed A/C or H/P R410 TXV B = 20% bleed A/C or H/P R22 TXV F = Flo-rater G = R410a Flo-rater X = non-bleed A/C or H/P R22 TXV | Option Code |

DIMENSIONS AND SPECIFICATIONS

| MODEL | A" | B" | C" | D" | E" | F" | G" | FILTER SIZE | PISTON SIZE | SHIP WEIGHT (LBS) | SKID QTY |
|-------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|-------------|-------------|-------------------|----------|
| AFM18/19+W* | 21 [53] | 49 1/4 [125] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 7-1/4 [18] | 10-1/4 [26] | 16X20 | 0.055 | 99 | 4 |
| AFM24/25+W* | 21 [53] | 49 1/4 [125] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 8-1/4 [21] | 12-1/4 [31] | 16X20 | 0.059 | 100 | 4 |
| AFM30/31+W* | 21 [53] | 49 1/4 [125] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 8-1/4 [21] | 14-1/4 [36] | 16X20 | 0.068 | 118 | 4 |
| AFM36/37+W* | 21 [53] | 49 1/4 [125] | 18-3/4 [48] | 12 [30] | 18-1/2 [47] | 10-1/4 [26] | 16-1/4 [41] | 16X20 | 0.074 | 147 | 4 |
| AFM42/43+W* | 24-1/2 [62] | 57 [145] | 22-1/4 [57] | 14-3/4 [37] | 22 [56] | 11 [28] | 16 [41] | 20X20 | 0.080 | 153 | 4 |
| AFM48/49+W* | 24-1/2 [62] | 57 [145] | 22-1/4 [57] | 14-3/4 [37] | 22 [56] | 13 [33] | 18 [46] | 20X20 | 0.084 | 180 | 4 |
| AFM60/61+W* | 24-1/2 [62] | 57 [145] | 22-1/4 [57] | 14-3/4 [37] | 22 [56] | 15 [38] | 20 [51] | 20X20 | 0.092 | 200 | 4 |



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AFM AIR HANDLERS



PRODUCT DIMENSIONS & SPECIFICATIONS

AFW SERIES WALL MOUNT HYDRONIC HEAT DX COOL AIR HANDLERS

STANDARD FEATURES

APPLICATION VERSATILITY

Front or bottom return air. 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. ETL listed for use with either R22 or R410a when a proper metering device is used.

MOTOR

Pre-programmed, 5-speed, ECM motors that ensure higher efficiency and increased energy savings by delivering constant torque during operation.

CABINET

Sturdy, short galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack. Low leak cabinet features are standard.

MODULAR HYDRONIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available in 2, 3 & 4 row, providing 16,000 to 59,000 BTU's of heat. Heat kits are easily installed in the field using molex plugs or can be ordered factory-installed. Freeze stat is standard, wired into circulating pump control circuit. 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. Heat kits are available with or without circulating pump and check valve. Units are provided with auxiliary relay for remote pump. Schrader ports are standard on water-out manifold, hose bib available as an option. Totally lead free constructed coil. Suitable for potable 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 CONTROL BOARD

An electronic board controls the functioning of the system reducing moving parts. The board provides for various hot water supply source connections and the blower time delay to maximize heat/cool extraction. As an enhanced feature the pump circulates hot water every 6 hours to prevent coil freeze during off cycle.

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 check style flowrater or TXV metering device. Field-installable TXVs are also available. 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

Five-year limited parts warranty.

OPTIONS

See options menu.



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



AFW

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HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| UNIT MODEL | PERFORMANCE DATA | | | | | | | ELECTRICAL DATA | |
|------------|-------------------------|-----------------|--------------|-------------------------------------|--|-------|-------|-------------------------------|-----------------------------|
| | HYDRONIC HEAT KIT MODEL | NOMINAL COOLING | HEATING COIL | Hydronic Coil Delta P. Ft. Water | HEATING AT 3 GPM CAPACITY BTU/HR at 3 GPM | | | MIN.CIR. AMPACITY 120 volt | MAX FUSE OR CIRCUIT BREAKER |
| | | | | | ENTERING WATER TEMP | | | | |
| ROW | 120° | 140° | 180° | | | | | | |
| AFW 18 | W(C,T)2S(P,L) | 1.5 | 2 | 3 | 16100 | 22800 | 36300 | 4.1 | 15 |
| | W(C,T)3S(P,L) | | 3 | 1.8 | 18500 | 26100 | 41600 | | |
| AFW 24 | W(C,T)2S(P,L) | 2 | 2 | 3 | 18200 | 25800 | 41200 | 4.1 | 15 |
| | W(C,T)3S(P,L) | | 3 | 1.8 | 21200 | 29200 | 47700 | | |
| AFW 30 | W(C,T)2S(P,L) | 2.5 | 2 | 3 | 19900 | 28100 | 45000 | 7.4 | 15 |
| | W(C,T)3S(P,L) | | 3 | 1.8 | 23200 | 32800 | 52400 | | |
| | W(C,T)4S(P,L) | | 4 | 1.1 | 24300 | 34400 | 54900 | | |
| AFW 36 | W(C,T)2S(P,L) | 3 | 2 | 3 | 21200 | 30000 | 48000 | 7.4 | 15 |
| | W(C,T)3S(P,L) | | 3 | 1.8 | 24800 | 35200 | 56200 | | |
| | W(C,T)4S(P,L) | | 4 | 1.1 | 26100 | 36900 | 59000 | | |

BLOWER DATA

| MODEL | SPEED TAP | MOTOR HP | MOTOR AMPS | MOTOR VOLTAGE | CFM V. EXTERNAL STATIC * | | | | |
|----------------|-----------|----------|------------|---------------|--------------------------|------|------|------|------|
| | | | | | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 |
| AFW18 & AFW 24 | TAP 5 | 1/3 | 4.8 | 120 | 900 | 851 | 800 | 742 | 682 |
| | TAP 4 | | | | 652 | 630 | 591 | 556 | 530 |
| | TAP 3 | | | | 500 | 476 | 452 | 421 | 400 |
| | TAP 2 | | | | 400 | 381 | 360 | 339 | 312 |
| | TAP 1 | | | | 900 | 851 | 800 | 742 | 682 |
| AFW30 & AFW36 | TAP 5 | 1/2 | 6.8 | | 1150 | 1087 | 1030 | 975 | 910 |
| | TAP 4 | | | | 1080 | 1048 | 1010 | 960 | 895 |
| | TAP 3 | | | | 900 | 862 | 825 | 796 | 745 |
| | TAP 2 | | | | 700 | 663 | 632 | 600 | 552 |
| | TAP 1 | | | | 500 | 473 | 449 | 421 | 395 |

*Dry coil with filter

AIR HANDLER CHASSIS NOMENCLATURE

| AFW | 18 | G | -001 |
|---|-------------------------|--|-------------|
| AFW = 115V X13 Motor Vertical Wall Mount | Nominal tonnage (MBTUH) | Metering device 4 = non-bleed A/C or H/P R410 TXV B = 20% bleed A/C or H/P R22 TXV F = Flo-rater G = R410a Flo-rater X = non-bleed A/C or H/P R22 TXV | Option Code |

HYDRONIC HEAT KIT NOMENCLATURE

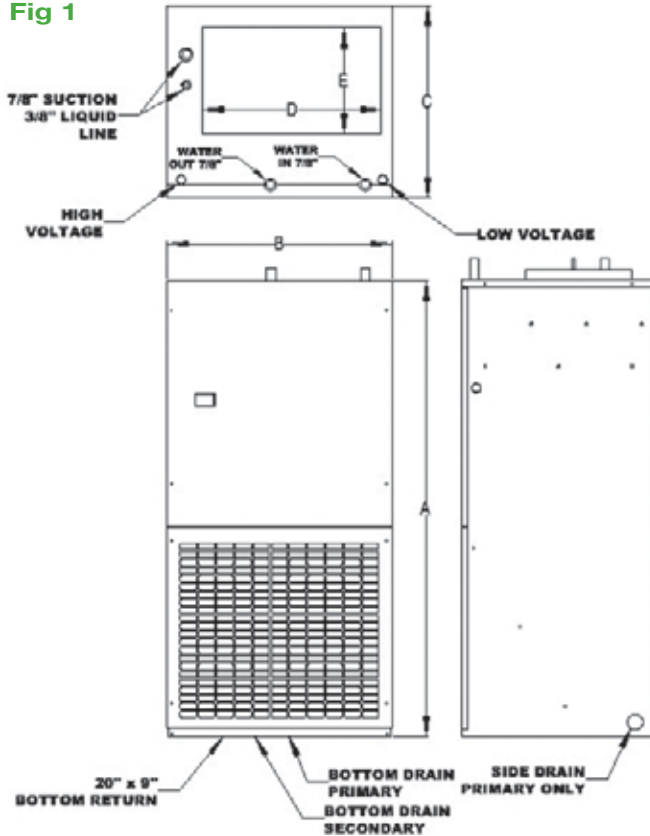
| U | C | 2 | S | P |
|-----------------------------|---|---|-------------|--------------------------------|
| Wall Mount Hydronic Heat | Interruption C = Circuit Breaker T = Terminal Block | # of rows 2 = 2 rows 3 = 3 rows 4 = 4 rows | S = 18 - 36 | P = with pump L = less pump |

AFW
AIR HANDLERS

DIMENSIONS AND SPECIFICATIONS (Fig 1)

| MODEL | HEIGHT A" | WIDTH B" | DEPTH C" | D" | E" | FILTER SIZE | PISTON SIZE | SHIP WEIGHT (LBS) | SKID QTY |
|--------|-----------------|-------------|----------------|----------------|----------------|----------------|----------------|-------------------------|-------------|
| AFW18* | 44-1/2 (113) | 22 (56) | 18 3/4 (48) | 17 5/8 (45) | 10-1/2 (27) | 20X20 | 0.055 | 110 | 4 |
| AFW24* | 44-1/2 (113) | 22 (56) | 18 3/4 (48) | 17 5/8 (45) | 10-1/2 (27) | 20X20 | 0.059 | 110 | 4 |
| AFW30* | 44-1/2 (113) | 22 (56) | 18 3/4 (48) | 17 5/8 (45) | 10-1/2 (27) | 20X20 | 0.068 | 118 | 4 |
| AFW36* | 44-1/2 (113) | 22 (56) | 18 3/4 (48) | 17 5/8 (45) | 10-1/2 (27) | 20X20 | 0.074 | 118 | 4 |

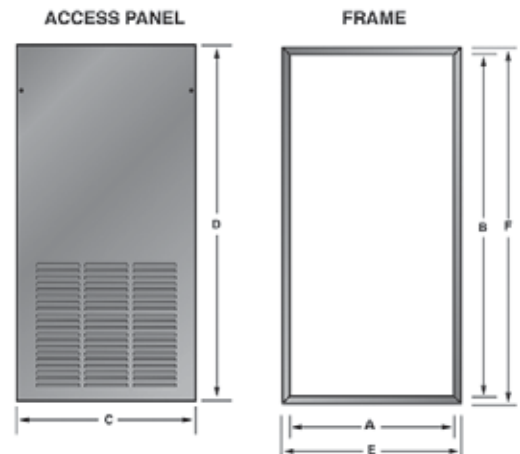
Fig 1



INSTALLATION CLEARANCES

| | OPERATION | SERVICE |
|-------|-----------|---------|
| TOP | 0" | 0" |
| FRONT | 0" | 30" |
| SIDES | 0" | 0" |
| REAR | 0" | 0" |

Fig 2



ACCESS PANEL DIMENSIONS AND SPECIFICATIONS (Fig 2)

| PANEL MODEL | FOR USE WITH | OPENING SIZE | | PANEL DIMENSION | | FRAME DIMENSION | | # OF PANELS |
|--------------------|--------------|--------------|----|-----------------|----|-----------------|--------|----------------|
| | | A | B | C | D | E | F | |
| WAD-9[S/L] | AFW | 22-1/4 | 46 | 24-1/4 | 48 | 24-1/8 | 47-7/8 | 1 |
| WAD-10[S/L] [+ 6"] | AFW | 22-1/4 | 52 | 24-1/4 | 54 | 24-1/8 | 47-7/8 | 1 |



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PRODUCT DIMENSIONS & SPECIFICATIONS

CEILING AND WALL ACCESS DOORS



STANDARD FEATURES

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 powder paint finish. Can be latex painted in the field.

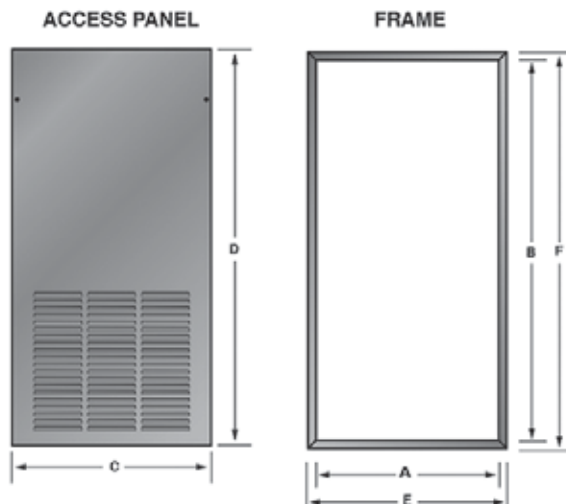
WARRANTY

Five-year limited parts warranty.

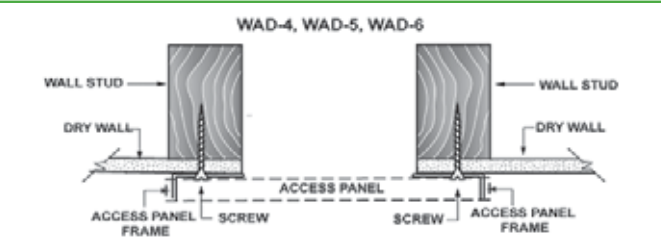
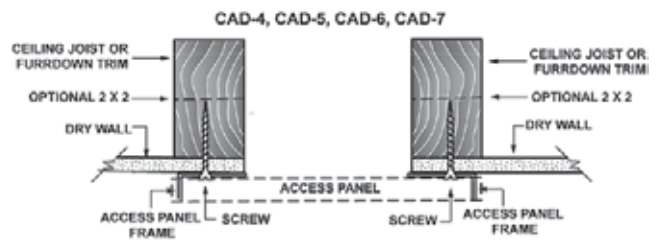
DIMENSIONS AND SPECIFICATIONS

| PANEL MODEL | FOR USE WITH | OPENING SIZE | | PANEL DIMENSION | | FRAME DIMENSION | | # OF PANELS |
|-------------|----------------------------|--------------|--------|-----------------|--------|-----------------|--------|-------------|
| | | A | B | C | D | E | F | |
| CAD-4(S/L) | FCB | 22-3/4 | 58 | 24-3/4 | 60 | 24-5/8 | 59-7/8 | 2 |
| CAD-5(S/L) | FFC/FFD 18/24 | 23-7/8 | 47-5/8 | 25-7/8 | 49-5/8 | 25-3/4 | 49-1/2 | 2 |
| CAD-5W(S/L) | FFW 18/24 | 23-7/8 | 57-5/8 | 25-7/8 | 59-5/8 | 25-3/4 | 59-1/2 | 2 |
| CAD-6(S/L) | FCW | 22-3/4 | 64 | 24-3/4 | 66 | 24-5/8 | 65-7/8 | 2 |
| CAD-7(S/L) | FFC/FFD 30/36 FFW 30/36 | 23-7/8 | 61-7/8 | 25-7/8 | 63-7/8 | 25-3/4 | 63-3/4 | 2 |
| WAD-4(S/L) | FTB | 20-3/4 | 39-1/2 | 22-3/4 | 41-1/2 | 22-5/8 | 41-3/8 | 1 |
| WAD-5(S/L) | FWB | 20-3/4 | 44 | 22-3/4 | 46 | 22-5/8 | 45-7/8 | 1 |
| WAD-6(S/L) | FWB-013 | 20-3/4 | 50 | 22-3/4 | 52 | 22-5/8 | 51-7/8 | 1 |
| WAD-7(S/L) | AAW/AEW 18/24 | 22-1/4 | 39-1/2 | 24-1/4 | 41-1/2 | 24-1/8 | 41-3/8 | 1 |
| WAD-8(S/L) | AAW/AEW 30/36 | 22-1/4 | 42-1/2 | 24-1/4 | 44-1/2 | 24-1/8 | 44-3/8 | 1 |
| WAD-9(S/L) | ABW/AFW | 22-1/4 | 46 | 24-1/4 | 48 | 24-1/8 | 47-7/8 | 1 |
| WAD-16(S/L) | ABW/AFW | 22-1/4 | 52 | 24-1/4 | 54 | 24-1/8 | 53-7/8 | 1 |

NOTE: All CAD, WAD come with embossed material. WAD-16(S/L) comes with smooth material only.



INSTALLATION DETAIL



#123156 Revised 06/29/16. In keeping with its policy of continuous progress and product improvement, Aspen reserves the right to make changes without notice and incurring obligation. © 2016

CAD WAD
MAD

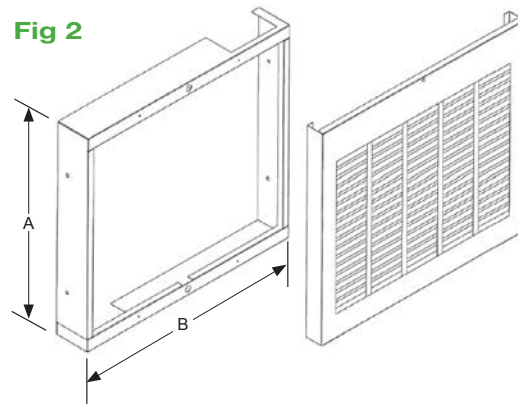
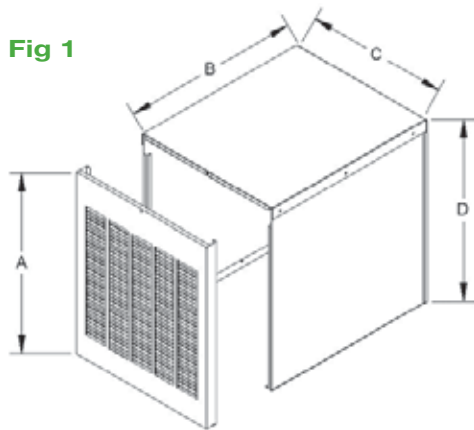
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Cabinet Dimensions and Specifications (Fig 1)

| PANEL MODEL | FOR USE WITH | A | B | C | D |
|-------------|--------------|----|--------|--------|----|
| MAD-01(L/S) | AAN/AEN | 18 | 23-1/2 | 19-3/4 | 18 |
| MAD-02(L/S) | AAN/AEN | 24 | | | 24 |
| MAD-03(L/S) | AAN/AEN | 36 | | | 36 |

Door with Frame Kit Dimensions (Fig 2)

| PANEL MODEL | FOR USE WITH | A | B |
|-------------|--------------|----|--------|
| MAD-04(L) | AAN/AEN | 24 | 19-3/4 |



**CAD WAD
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AIR HANDLERS



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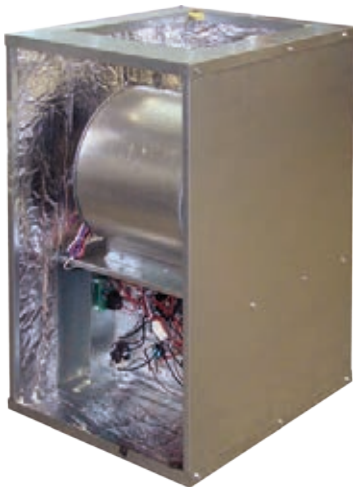


PRODUCT DIMENSIONS & SPECIFICATIONS

AAN DOWNFLOW MANUFACTURED HOME ELECTRIC FURNACE



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

Downflow only application. Can be installed in closet and alcove.

CABINET

Sturdy, galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place.

MODULAR HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available from 3 to 20 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. Disconnect does not protrude through the wall panel.

ELECTRONIC CIRCUIT BOARD

Electronic circuit board provides 30 secs ON/OFF blower time delay extracting more heat/cool from the coil.

BLOWER

Direct drive multi-speed blowers circulate air quietly and efficiently. 3-speed motor allows 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.

WARRANTY

Five-year limited parts warranty.

OPTIONS

See options menu.

MANUFACTURED HOUSING PRODUCTS / AAN

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HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| MODEL | HEAT KIT | PERFORMANCE DATA | | | | | | ELECTRICAL DATA | | | |
|--------|-----------|------------------------|----------|--------------|------|-----------------|-----------|----------------------|-----------|-----------------------------|-------|
| | | NOMINAL COOLING (TONS) | FAN AMPS | HEATING [KW] | | TOTAL UNIT AMPS | | MIN-CIRCUIT AMPACITY | | MAX FUSE OR CIRCUIT BREAKER | |
| | | | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V |
| AAN 24 | F(C,T)L00 | 2 | 3 | 0.0 | 0.0 | 2.7 | 3.0 | 3.4 | 3.8 | 15.0 | 15.0 |
| | F(C,T)L03 | | | 2.3 | 3.0 | 13.8 | 15.5 | 17.2 | 19.4 | 20.0 | 25.0 |
| | F(C,T)L05 | | | 3.8 | 5.0 | 21.0 | 23.8 | 26.2 | 29.8 | 30.0 | 35.0 |
| | F(C,T)L08 | | | 6.1 | 8.0 | 32.0 | 36.3 | 40.0 | 45.4 | 45.0 | 50.0 |
| | F(C,T)L10 | | | 6.8 | 9.0 | 35.4 | 40.5 | 44.2 | 50.6 | 50.0 | 60.0 |
| AAN 30 | F(C,T)L0 | 2.5 | 3 | 0.0 | 0.0 | 2.7 | 3.0 | 3.4 | 3.8 | 15.0 | 15.0 |
| | F(C,T)L0 | | | 2.3 | 3.0 | 13.8 | 15.5 | 17.2 | 19.4 | 20.0 | 25.0 |
| | F(C,T)L0 | | | 3.8 | 5.0 | 21.0 | 23.8 | 26.2 | 29.8 | 30.0 | 35.0 |
| | F(C,T)L0 | | | 6.1 | 8.0 | 32.0 | 36.3 | 40.0 | 45.4 | 40.0 | 50.0 |
| | F(C,T)L1 | | | 6.8 | 9.0 | 35.4 | 40.5 | 44.2 | 50.6 | 50.0 | 60.0 |
| | F(C,T)L1 | | | 10.6 | 14.0 | 35.4/18.3 | 40.6/20.8 | 44.5/22.8 | 50.8/26.0 | 50/25 | 60/30 |
| AAN 36 | F(C,T)L0 | 3.0 | 3 | 0.0 | 0.0 | 2.7 | 3.0 | 3.4 | 3.8 | 15.0 | 15.0 |
| | F(C,T)L0 | | | 2.3 | 3.0 | 13.8 | 15.5 | 17.2 | 19.4 | 20.0 | 25.0 |
| | F(C,T)L0 | | | 3.8 | 5.0 | 21.0 | 23.8 | 26.2 | 29.8 | 30.0 | 35.0 |
| | F(C,T)L0 | | | 6.1 | 8.0 | 32.0 | 36.3 | 40.0 | 45.4 | 45.0 | 50.0 |
| | F(C,T)L1 | | | 6.8 | 9.0 | 35.4 | 40.5 | 44.2 | 50.6 | 50.0 | 60.0 |
| | F(C,T)L1 | | | 10.6 | 14.0 | 35.4/18.3 | 40.6/20.8 | 44.5/22.8 | 50.8/26.0 | 50/25 | 60/30 |
| AAN 42 | F(C,T)L0 | 3.5 | 4.4 | 0.0 | 0.0 | 4.0 | 4.4 | 5.0 | 5.5 | 15.0 | 15.0 |
| | F(C,T)L05 | | | 3.8 | 5.0 | 22.2 | 25.2 | 27.8 | 31.5 | 35.0 | 40.0 |
| | F(C,T)L10 | | | 6.8 | 9.0 | 36.7 | 41.9 | 45.8 | 52.4 | 50.0 | 60.0 |
| | F(C,T)L15 | | | 10.6 | 14.0 | 36.7/18.3 | 41.9/20.8 | 45.8/22.8 | 52.4/26.0 | 50/25 | 60/30 |
| | F(C,T)L20 | | | 13.8 | 18.0 | 36.7/32.7 | 41.9/37.5 | 45.8/40.9 | 52.4/46.9 | 50/45 | 60/50 |
| | F(C,T)L00 | | | 0.0 | 0.0 | 4.0 | 4.4 | 5.0 | 5.5 | 15.0 | 20.0 |
| AAN 48 | F(C,T)L05 | 4.0 | 4.4 | 3.8 | 5.0 | 22.2 | 25.2 | 27.8 | 31.5 | 35.0 | 40.0 |
| | F(C,T)L10 | | | 6.8 | 9.0 | 36.7 | 41.9 | 45.8 | 52.4 | 50.0 | 60.0 |
| | F(C,T)L15 | | | 10.6 | 14.0 | 36.7/18.3 | 42.1/20.8 | 45.8/22.8 | 52.4/26.0 | 50/25 | 60/30 |
| | F(C,T)L20 | | | 13.8 | 18.0 | 36.7/32.7 | 42.1/37.5 | 45.8/40.9 | 52.4/46.9 | 50/45 | 60/50 |
| | F(C,T)L00 | | | 0.0 | 0.0 | 4.0 | 4.4 | 5.0 | 5.5 | 15.0 | 20.0 |
| AAN 60 | F(C,T)L05 | 5.0 | 4.4 | 3.8 | 5.0 | 22.2 | 25.2 | 27.8 | 31.5 | 35.0 | 40.0 |
| | F(C,T)L10 | | | 6.8 | 9.0 | 36.7 | 41.9 | 45.8 | 52.4 | 50.0 | 60.0 |
| | F(C,T)L15 | | | 10.6 | 14.0 | 36.7/18.3 | 42.1/20.8 | 45.8/22.8 | 52.4/26.0 | 50/25 | 60/30 |
| | F(C,T)L20 | | | 13.8 | 18.0 | 36.7/32.7 | 42.1/37.5 | 45.8/40.9 | 52.4/46.9 | 50/45 | 60/50 |
| | F(C,T)L00 | | | 0.0 | 0.0 | 4.0 | 4.4 | 5.0 | 5.5 | 15.0 | 20.0 |

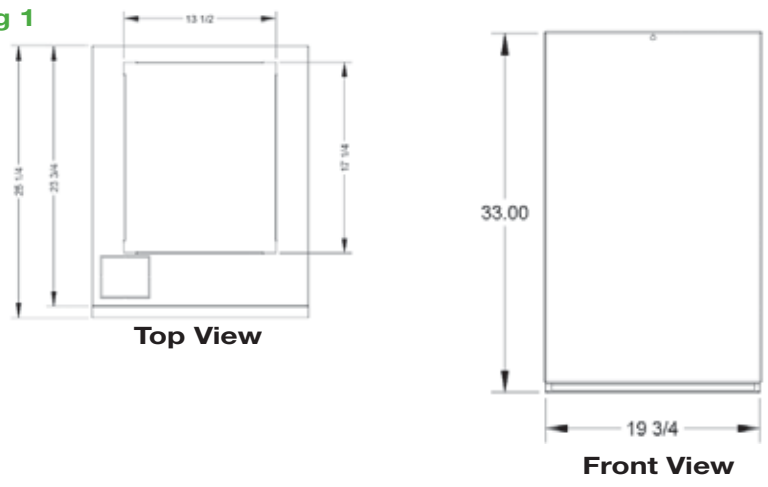
BLOWER DATA

| MODEL | MOTOR SPEED | MOTOR HP | MOTOR AMPS | MOTOR VOLTAGE | CFM V. EXTERNAL STATIC * | | | | |
|--------------|-------------|----------|------------|---------------|--------------------------|------|------|------|------|
| | | | | | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 |
| AAN 24/30/36 | LOW | 1/2 | 3 | 240 | 860 | 840 | 820 | 780 | 740 |
| | HIGH | | | | 1260 | 1240 | 1220 | 1180 | 1140 |
| AAN 42/48/60 | LOW | 3/4 | 4.4 | | 1580 | 1520 | 1480 | 1440 | 1380 |
| | MED | | | | 1700 | 1640 | 1560 | 1520 | 1460 |
| | HIGH | | | | 1800 | 1720 | 1660 | 1620 | 1560 |

*Wet Coil

| ELECTRIC HEAT KIT NOMENCLATURE | | | |
|--------------------------------|--|-----------|--|
| F | C | L | 03 |
| Electric Heat | <p><u>Interruption</u> C = Circuit Breaker T = Terminal Block P = Circuit Breaker w/Single Point 3 = 3-Phase Circuit Breaker 4 = 3-Phase Terminal Block</p> | L = 42-60 | <p><u>Heat Strip</u> 00 = 0 KW 03 = 3 KW 05 = 5 KW 08 = 8 KW 10 = 10 KW 15 = 15 KW 20 = 20 KW</p> |

Fig 1



| Cabinet Dimensions and Specifications (Fig 2) | | | | | |
|---|--------------|----|--------|--------|----|
| PANEL MODEL | FOR USE WITH | A | B | C | D |
| MAD-01(L) | AAN | 18 | 23-1/2 | 19-3/4 | 18 |
| MAD-02(L) | AAN | 24 | | | 24 |
| MAD-03(L) | AAN | 36 | | | 36 |

Fig 2

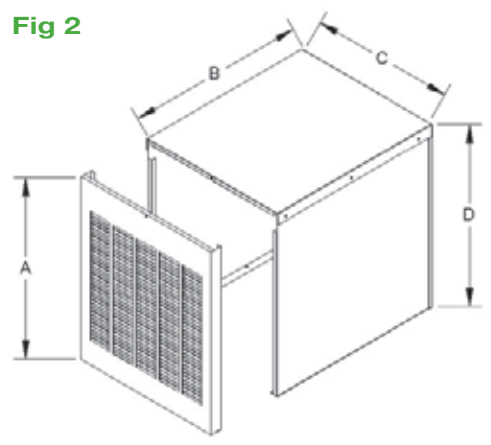
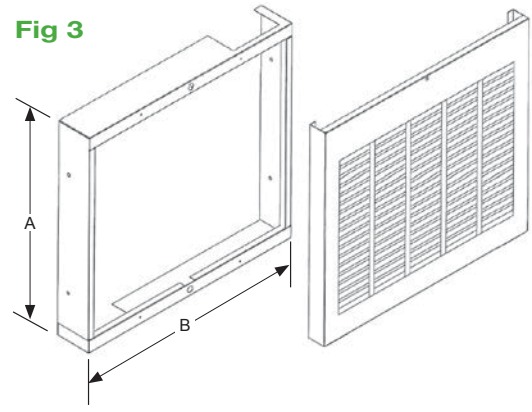


Fig 3



| Door with Frame Kit Dimensions (Fig 3) | | | |
|--|--------------|----|--------|
| PANEL MODEL | FOR USE WITH | A | B |
| MAD-04(L) | AAN | 24 | 19-3/4 |



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PRODUCT DIMENSIONS & SPECIFICATIONS

**AEN DOWNFLOW
MANUFACTURED HOME
ELECTRIC FURNACE**



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

Downflow only application. Can be installed in closet and alcove.

MOTOR

Constant torque ECM speeds and torques are controlled by software embedded in the motor to maintain constant torque. Motors are pre-programmed at the factory.

CABINET

Sturdy, galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available from 3 to 20 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. Disconnect does not protrude through the wall panel.

ELECTRONIC CIRCUIT BOARD

Electronic circuit board provides 30 secs ON/OFF blower time delay extracting more heat/cool from the coil.

BLOWER

Direct drive blowers circulate air quietly and efficiently. Motor speeds and torques programmed in the motor. Blowers mounted on rails so they can be easily removed for service.

WARRANTY

Five-year limited parts warranty.

OPTIONS

See options menu.

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Revised 08/08/16. In keeping with its policy of continuous progress and product improvement, Aspen reserves the right to make changes without notice and incurring obligation. © 2016

HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

| MODEL | HEAT KIT | PERFORMANCE DATA | | | | | | ELECTRICAL DATA | | | |
|--------|-----------|------------------------|----------|--------------|-----------|-----------------|-----------|----------------------|-----------|-----------------------------|-------|
| | | NOMINAL COOLING (TONS) | FAN AMPS | HEATING (KW) | | TOTAL UNIT AMPS | | MIN-CIRCUIT AMPACITY | | MAX FUSE OR CIRCUIT BREAKER | |
| | | | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V |
| AEN 24 | F(C,T)L00 | 2 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 15.0 |
| | F(C,T)L03 | | | 2.3 | 3.0 | 11.1 | 12.5 | 13.8 | 15.6 | 20.0 | 25.0 |
| | F(C,T)L05 | | | 3.8 | 5.0 | 18.3 | 20.8 | 22.8 | 26.0 | 30.0 | 30.0 |
| | F(C,T)L08 | | | 6.1 | 8.0 | 29.3 | 33.3 | 36.7 | 41.7 | 40.0 | 45.0 |
| | F(C,T)L10 | | | 6.8 | 9.0 | 32.7 | 37.5 | 40.9 | 46.9 | 45.0 | 50.0 |
| AEN 30 | F(C,T)L00 | 2.5 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 15.0 |
| | F(C,T)L03 | | | 2.3 | 3.0 | 11.1 | 12.5 | 13.8 | 15.6 | 20.0 | 25.0 |
| | F(C,T)L05 | | | 3.8 | 5.0 | 18.3 | 20.8 | 22.8 | 26.0 | 30.0 | 30.0 |
| | F(C,T)L08 | | | 6.1 | 8.0 | 29.3 | 33.3 | 36.7 | 41.7 | 40.0 | 45.0 |
| | F(C,T)L10 | | | 6.8 | 9.0 | 32.7 | 37.5 | 40.9 | 46.9 | 45.0 | 50.0 |
| | F(C,T)L15 | | | 10.6 | 14.0 | 36.4/18.3 | 41.6/20.8 | 45.5/22.8 | 52.0/26.0 | 50/25 | 60/30 |
| AEN 36 | F(C,T)L00 | 3.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 15.0 |
| | F(C,T)L03 | | | 2.3 | 3.0 | 11.1 | 12.5 | 13.8 | 15.6 | 20.0 | 25.0 |
| | F(C,T)L05 | | | 3.8 | 5.0 | 18.3 | 20.8 | 22.8 | 26.0 | 30.0 | 30.0 |
| | F(C,T)L08 | | | 6.1 | 8.0 | 29.3 | 33.3 | 36.7 | 41.7 | 40.0 | 45.0 |
| | F(C,T)L10 | | 6.8 | 9.0 | 32.7 | 37.5 | 40.9 | 46.9 | 45.0 | 50.0 | |
| | F(C,T)L15 | | 10.6 | 14.0 | 36.4/18.3 | 41.6/20.8 | 45.5/22.8 | 52.0/26.0 | 50/25 | 60/30 | |
| AEN 42 | F(C,T)L00 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 15.0 | |
| | F(C,T)L05 | | 3.8 | 5.0 | 18.3 | 20.8 | 22.8 | 26.0 | 30.0 | 30.0 | |
| | F(C,T)L10 | | 6.8 | 9.0 | 32.7 | 37.5 | 40.9 | 46.9 | 45.0 | 50.0 | |
| | F(C,T)L15 | | 10.6 | 14.0 | 36.4/18.3 | 41.6/20.8 | 45.5/22.8 | 52.0/26.0 | 50/25 | 60/30 | |
| | F(C,T)L20 | | 13.8 | 18.0 | 36.4/32.7 | 41.6/37.5 | 45.5/40.9 | 52.0/46.9 | 50/45 | 60/50 | |
| AEN 48 | F(C,T)L00 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 20.0 | |
| | F(C,T)L05 | | 3.8 | 5.0 | 18.3 | 20.8 | 22.8 | 26.0 | 35.0 | 40.0 | |
| | F(C,T)L10 | | 6.8 | 9.0 | 32.7 | 37.5 | 40.9 | 46.9 | 55.0 | 60.0 | |
| | F(C,T)L15 | | 10.6 | 14.0 | 39.5/18.3 | 45.1/20.8 | 49.4/22.8 | 56.4/26.0 | 50/25 | 60/30 | |
| | F(C,T)L20 | | 13.8 | 18.0 | 39.5/32.7 | 45.1/37.5 | 49.4/40.9 | 56.4/46.9 | 50/45 | 60/50 | |
| AEN 60 | F(C,T)L00 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 20.0 | |
| | F(C,T)L05 | | 3.8 | 5.0 | 18.3 | 20.8 | 22.8 | 26.0 | 35.0 | 40.0 | |
| | F(C,T)L10 | | 6.8 | 9.0 | 32.7 | 37.5 | 40.9 | 46.9 | 55.0 | 60.0 | |
| | F(C,T)L15 | | 10.6 | 14.0 | 39.5/18.3 | 45.1/20.8 | 49.4/22.8 | 56.4/26.0 | 50/25 | 60/30 | |
| | F(C,T)L20 | | 13.8 | 18.0 | 39.5/32.7 | 45.1/37.5 | 49.4/40.9 | 56.4/46.9 | 50/45 | 60/50 | |

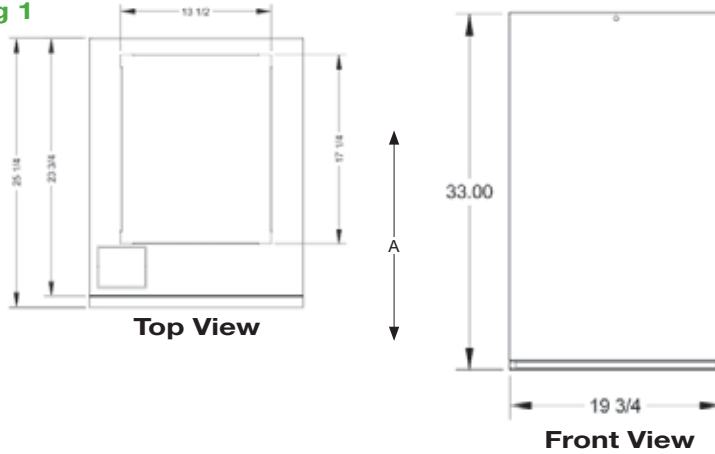
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ELECTRIC HEAT KIT NOMENCLATURE

| F | C | L | 03 |
|---------------|--|-----------|--|
| Electric Heat | <p><u>Interruption</u> C = Circuit Breaker T = Terminal Block P = Circuit Breaker w/Single Point 3 = 3-Phase Circuit Breaker 4 = 3-Phase Terminal Block</p> | L = 42-60 | <p><u>Heat Strip</u> 00 = 0 KW 03 = 3 KW 05 = 5 KW 08 = 8 KW 10 = 10 KW 15 = 15 KW 20 = 20 KW</p> |

Fig 1



Cabinet Dimensions and Specifications (Fig 2)

| PANEL MODEL | FOR USE WITH | A | B | C | D |
|-------------|--------------|----|--------|--------|----|
| MAD-01(L) | AEN | 18 | 23-1/2 | 19-3/4 | 18 |
| MAD-02(L) | AEN | 24 | | | 24 |
| MAD-03(L) | AEN | 36 | | | 36 |

Fig 2

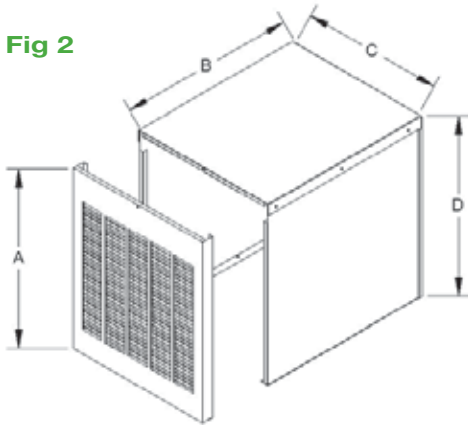
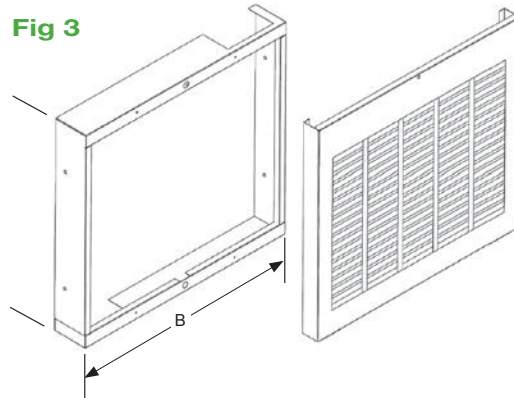


Fig 3



Door with Frame Kit Dimensions (Fig 3)

| PANEL MODEL | FOR USE WITH | A | B |
|-------------|--------------|----|--------|
| MAD-04(L) | AEN | 24 | 19-3/4 |

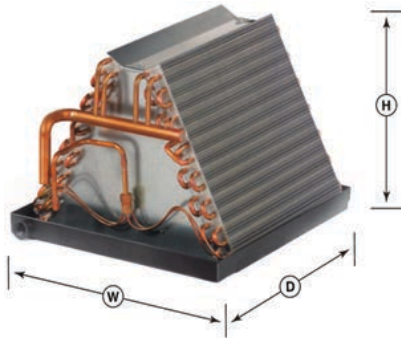


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PRODUCT DIMENSIONS & SPECIFICATIONS

DX-TREME CM SERIES UNCASSED DOWNFLOW COILS FOR USE WITH MANUFACTURED HOME FURNACES



Representative drawing only.
Some models may vary in appearance.

STANDARD SPECIFICATIONS

- Riffled copper tubing, enhanced aluminum fins.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- Left-hand refrigerant and plumbing connections.
- Liquid line - 3/8" ODS, suction line - 3/4" ODS on 1-1/2-3 ton & 7/8" ODS on 3-1/2 - 5 ton.
- Liquid line Schrader valve for hiss-testing.
- Heavy duty polypropylene drain pans.
- Drain connection: 177L pans have single LH 3/4" FPT, 195L pan have quad drains, 3/4" FPT.
- Condensate drain elbow and flexible drain tubing included.
- Downflow plate kit included.
- AHRI certifiable with all brands of A/C and heat pump systems.
- ETL listed for use with both R-22 and R-410a when proper metering device is used.
- Ten-year limited warranty.

POPULAR OPTIONS:

- Factory or field-installable TXV.
- Schrader mounted on suction manifold.

| COIL MODEL | PISTON SIZE | | DIMENSIONS | | | SHIPPING INFORMATION | | | |
|--------------------|-------------|-------|----------------|----------------|-----------------------|-----------------------|-------|-------|----------|
| | R22 | R410a | PAN WIDTH [W]" | PAN DEPTH [D]" | BARE SLAB HEIGHT [H]" | SHIPPING WEIGHT [LBS] | | | SKID QTY |
| | | | | | | 2 ROW | 3 ROW | 4 ROW | |
| CM24A(2,3)*-177L | 0.059 | 0.055 | 17-3/4 | 19-5/8 | 13-1/2 | 17 | 27 | N/A | 30 |
| CM24B(2,3)*-177L | 0.059 | 0.055 | 17-3/4 | 19-5/8 | 15-1/2 | 20 | 31 | N/A | 25 |
| CM24C(2,3)*-177L | 0.059 | 0.055 | 17-3/4 | 19-5/8 | 17-1/2 | 23 | 36 | N/A | 25 |
| CM24D(2,3)*-177L | 0.059 | 0.055 | 17-3/4 | 19-5/8 | 19-1/2 | 25 | 40 | N/A | 20 |
| CM30A(2,3)*-177L | 0.068 | 0.059 | 17-3/4 | 19-5/8 | 15-1/2 | 20 | 31 | N/A | 25 |
| CM30B(2,3)*-177L | 0.068 | 0.059 | 17-3/4 | 19-5/8 | 17-1/2 | 23 | 36 | N/A | 25 |
| CM30C(2,3)*-177L | 0.068 | 0.059 | 17-3/4 | 19-5/8 | 19-1/2 | 25 | 40 | N/A | 20 |
| CM36A(2,3)*-177L | 0.074 | 0.068 | 17-3/4 | 19-5/8 | 17-1/2 | 23 | 36 | N/A | 25 |
| CM36B(2,3)*-177L | 0.074 | 0.068 | 17-3/4 | 19-5/8 | 19-1/2 | 25 | 40 | N/A | 20 |
| CM42A(2,3)*-177L | 0.080 | 0.074 | 17-3/4 | 19-5/8 | 19-1/2 | 25 | 40 | N/A | 20 |
| ‡ CM48A3*-177L | 0.084 | 0.080 | 17-3/4 | 19-5/8 | 21-1/2 | N/A | 45 | N/A | 16 |
| ‡ CM48A4*-195L | 0.084 | 0.080 | 19-1/2 | 19-3/8 | 21-1/2 | N/A | N/A | 58 | 16 |
| ‡ CM48B3*-177L | 0.084 | 0.080 | 17-3/4 | 19-5/8 | 23-1/2 | N/A | 49 | N/A | 12 |
| ‡ CM48B4*-195L | 0.084 | 0.080 | 19-1/2 | 19-3/8 | 23-1/2 | N/A | N/A | 64 | 12 |
| ‡ CM48C3*-177L | 0.084 | 0.080 | 17-3/4 | 19-5/8 | 25-1/2 | N/A | 54 | N/A | 12 |
| ‡ CM48C4*-195L | 0.084 | 0.080 | 19-1/2 | 19-3/8 | 25-1/2 | N/A | N/A | 70 | 12 |
| ‡ CM48D3*-177L | 0.084 | 0.080 | 17-3/4 | 19-5/8 | 27-1/2 | N/A | 58 | N/A | 12 |
| ‡ CM48D4*-195L | 0.084 | 0.080 | 19-1/2 | 19-3/8 | 27-1/2 | N/A | N/A | 76 | 12 |
| CM48E3*-177L | 0.084 | 0.080 | 17-3/4 | 19-5/8 | 19-1/2 | N/A | 40 | N/A | 20 |
| ‡ CM60A(3,4)*-195L | 0.092 | 0.089 | 19-1/2 | 19-3/8 | 25-1/2 | N/A | 54 | 70 | 12 |
| ‡ CM60B(3,4)*-195L | 0.092 | 0.089 | 19-1/2 | 19-3/8 | 27-1/2 | N/A | 58 | 76 | 12 |

Notes: Do not use heavy duty plastic drain pans on oil furnaces or other applications where outlet temperatures may exceed 290°F +/-5°F.

Specify metal drain pans for these applications.

‡ These coils are intended to be mounted on top of the furnace, not inside the furnace cavity.

() number of rows available

* Metering devices available - F = R22 flowrater; X = R22 TXV; 4 = R410a TXV; G = R410a flowrater

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MANUFACTURED HOUSING PRODUCTS / GM

DX-treme Series Nomenclature

Revised 7/11/13

22 A 24 A3 F -145 L -001

①

②

③

④

⑤

⑥

⑦

⑧

⑧ Option Code

⑦ Refrigerant and plumbing connections
L = left-hand
R = right-hand

⑥ 22A Series: Drain pan width code
22C, 22E Series: Furnace width code

⑤ Metering device
F = R-22 Flo-rater
G = R-410A Flo-rater
B = 20% bleed A/C or H/P R22 TXV
X = non-bleed A/C or H/P R22 TXV
4 = non-bleed A/C or H/P R410 TXV
6 = 20% bleed A/C or H/P R410 TXV

④ Coil descriptor code (face area, rows, fpi)

③ Nominal tonnage (MBTUH)

② Configuration
A = uncased up/down
C = cased up/down
E = cased multi-position VersaCoil

① Series
22 = 22 Series


LEGACY PRODUCTS




PRODUCT DIMENSIONS & SPECIFICATIONS

22 SERIES R22 REPLACEMENT COILS


- Minimum inventory - 4 coils x width dimension
- Easy to define part number - begins with 22
- All coils are embossed steel - \$10 adder for paint
 - Five-year limited warranty

| UNCASED UPFLOW/DOWNFLOW | COIL MODEL | FLOW RATOR SIZE | DIMENSIONS | | | | | SHIPPING INFORMATION | | |
|---|-----------------|-----------------------|------------|----|--------|----|--------------|----------------------|--------------------------|----------|
| | | | PAN WIDTHS | | | | PAN DEPTH | BARE SLAB HEIGHT | SHIPPING WEIGHT (LBS) | SKID QTY |
| | | | 13 | 16 | 19-1/2 | 23 | | | | |
|  | 22A24F-XXXL-003 | 0.059 | 13 | 16 | 19-1/2 | | 19-3/8 | 12 | 17 | 30 |
| | 22A36F-XXXL-003 | 0.074 | 13 | 16 | 19-1/2 | | 19-3/8 | 16 | 23 | 25 |
| | 22A48F-XXXL-003 | 0.084 | | 16 | 19-1/2 | 23 | 19-3/8 | 20 | 28 | 16 |
| | 22A60F-XXXL-003 | 0.092 | | | 19-1/2 | 23 | 19-3/8 | 24 | 54 | 12 |

*.003 option code indicates: schrader valve on suction line

| CASED UPFLOW/DOWNFLOW | COIL MODEL | FLOW RATOR SIZE | DIMENSIONS | | | | SHIPPING INFORMATION | |
|--|-----------------|-----------------------|----------------------|----------------------|------------------|-------------------|--------------------------|----------|
| | | | MIN CABINET WIDTH | MAX CABINET WIDTH | CABINET DEPTH | CABINET HEIGHT | SHIPPING WEIGHT (LBS) | SKID QTY |
|  | 22C24F-XXXL-022 | 0.059 | 14 | 23 | 21-1/2 | 16 | 29 | 20 |
| | 22C36F-XXXL-022 | 0.074 | 14 | 23 | 21-1/2 | 20 | 39 | 16 |
| | 22C48F-XXXL-022 | 0.084 | 17 | 26-1/2 | 21-1/2 | 24 | 49 | 12 |
| | 22C60F-XXXL-022 | 0.092 | 20-1/2 | 26-1/2 | 21-1/2 | 28 | 75 | 12 |

*.022 option code indicates: schrader mounted on suction line outside the cabinet, flanged top duct opening

| CASED UPFLOW/DOWNFLOW | COIL MODEL | FLOW RATOR SIZE | DIMENSIONS | | | | SHIPPING INFORMATION | |
|---|-----------------|-----------------------|----------------------|----------------------|------------------|-------------------|--------------------------|----------|
| | | | MIN CABINET WIDTH | MAX CABINET WIDTH | CABINET DEPTH | CABINET HEIGHT | SHIPPING WEIGHT (LBS) | SKID QTY |
|  | 22E24F-XXXL-034 | 0.059 | 14 | 23 | 21-1/2 | 19 | 31 | 20 |
| | 22E36F-XXXL-034 | 0.074 | 14 | 23 | 21-1/2 | 23 | 41 | 12 |
| | 22E48F-XXXL-034 | 0.084 | 17 | 26-1/2 | 21-1/2 | 27 | 52 | 12 |
| | 22E60F-XXXL-034 | 0.092 | 20-1/2 | 26-1/2 | 21-1/2 | 30 | 78 | 10 |

*.034 option code indicates: schrader on the suction line outside the cabinet, flanged top duct opening

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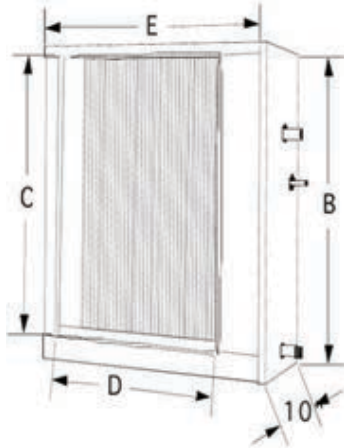


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LEGACY PRODUCTS / 22

BH SERIES HORIZONTAL COILS



GENERAL SPECIFICATIONS

- Standard refrigerant connections: liquid line - 3/8" ODS, suction line - 7/8" ODS.
- Two 3/4" MPT condensate drains.
- Powder-painted metal drain pan. Stainless available.
- Five-year limited warranty.
- Flowrate standard. Factory or field-installable TXV available.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- Heavy gauge embossed galvanized cabinet fully lined with 1/2" faced insulation.
- Rifled copper tubing, enhanced aluminum fins.
- ETL listed.

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

| COIL MODEL | REPLACES | DIMENSIONS | | | |
|--|----------------|-------------|---------|--------|-------------|
| | | HEIGHT (B)" | OPENING | | LENGTH (E)" |
| | | | (C)" | (D)" | |
| BHA SLAB HIGH HORIZONTAL COILS | | | | | |
| BHA** 24 | N/A | 23-1/2 | 21 | 16 | 21-1/2 |
| BHA** 36 | N/A | 23-1/2 | 21 | 24 | 29-1/2 |
| BHA** 48 | N/A | 23-1/2 | 21 | 29 | 34-1/2 |
| BHA** 60 | N/A | 25 | 21 | 29 | 34-1/2 |
| BHC HORIZONTAL COILS | | | | | |
| BHC24 24 | RTE524CH | 21-1/2 | 17-1/2 | 22 | 27 |
| BHC32 36 | RTE536CH | 21-1/2 | 17-1/2 | 22 | 27 |
| BHC32 48 | RTE48CH, 548CH | 21-1/2 | 17-1/2 | 28 | 33 |
| BHC32 60 | RTE60CH | 25-1/2 | 21-1/2 | 28 | 33 |
| BHL SLAB LOW HORIZONTAL COILS | | | | | |
| BHL** 24 | N/A | 17 | 14-1/2 | 21-1/2 | 27 |
| BHL** 36 | N/A | 17 | 14-1/2 | 21-1/2 | 27 |
| BHL** 48 | N/A | 17 | 14-1/2 | 29 | 36 |
| BHL** 60 | N/A | 21 | 18-1/2 | 29 | 36 |
| BHR SLAB HORIZONTAL COILS | | | | | |
| BHR24 24 | N/A | 23-1/2 | 21 | 16 | 21-1/2 |
| BHR32 36 | N/A | 23-1/2 | 21 | 16 | 21-1/2 |
| BHR32 48 | N/A | 23-1/2 | 21 | 24 | 29-1/2 |
| BHR32 60 | N/A | 25-1/2 | 21 | 24 | 29-1/2 |
| BH232 60 SLAB HIGH HORIZONTAL COILS | | | | | |
| BH232 60 | N/A | 23-1/2 | 21 | 33-3/4 | 39-1/4 |

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LEGACY PRODUCTS BH*



PRODUCT DIMENSIONS & SPECIFICATIONS

DX-TREME CP SERIES DEDICATED HORIZONTAL COILS WITH PLENUM



Representative drawing only.
Some models may vary in appearance.

STANDARD SPECIFICATIONS

- Rified copper tubing, enhanced aluminum fins.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- Liquid line - 3/8" ODS, suction line - 3/4" ODS on 1-1/2- 3 ton & 7/8" ODS on 3-1/2 - 5 ton.
- Inlet and outlet dimensions are identical (without end caps).
- Externally mounted flowwater body with Schrader valve for hiss-testing.
- Refrigerant lines exit from the top of the coil.
- Split access doors on top of the coil for easy service.
- Embossed galvanized cabinets standard.
- Fully insulated cabinets with faced insulation.
- Heavy duty plastic pan with four 3/4" FPT galvanized condensate drains (two per side). Pan is positively sloped toward drains.
- Plenum sides and top constructed of foil-backed faced fiberglass ductboard or sheet metal.
- Plenum end and bottom constructed of galvanized steel.
- AHRI certifiable with all brands of A/C and heat pump systems.
- ETL listed for use with R-22 and R-410a when proper metering device is used.
- Ten-year limited warranty.

POPULAR OPTIONS:

- Factory or field-installable TXV.
- Powder painted stainless steel drain pan.
- Schrader mounted on suction manifold external to cabinet.

| COIL MODEL | PISTON SIZE | | DIMENSIONS | | | SHIPPING INFORMATION | | | |
|------------|-------------|-------|--------------------|--------------------|--|-----------------------|-------|-------|----------|
| | R22 | R410a | CABINET WIDTH [W]" | CABINET DEPTH [D]" | MAX FURNACE WIDTH (OR HEIGHT WHEN HORZ.) | SHIPPING WEIGHT (LBS) | | | SKID QTY |
| | | | | | | 2 ROW | 3 ROW | 4 ROW | |
| CP24A* | 0.059 | 0.055 | 22 | 46 | 16-3/4 | 41 | 49 | 57 | 8 |
| CP24B* | 0.059 | 0.055 | 22 | 46 | 16-3/4 | 46 | 56 | 64 | 8 |
| CP24C* | 0.059 | 0.055 | 22 | 46 | 20-3/4 | 57 | 67 | 76 | 8 |
| CP24D* | 0.059 | 0.055 | 22 | 46 | 20-3/4 | 63 | 75 | 85 | 8 |
| CP30A* | 0.068 | 0.059 | 22 | 46 | 16-3/4 | 46 | 56 | 64 | 8 |
| CP30B* | 0.068 | 0.059 | 22 | 46 | 16-3/4 | 51 | 62 | 71 | 8 |
| CP30C* | 0.068 | 0.059 | 22 | 46 | 20-3/4 | 63 | 75 | 85 | 8 |
| CP30D* | 0.068 | 0.059 | 22 | 46 | 20-3/4 | 69 | 82 | 94 | 8 |
| CP30E* | 0.068 | 0.059 | 22 | 46 | 20-3/4 | 49 | 59 | 68 | 8 |
| CP36A* | 0.074 | 0.068 | 22 | 46 | 16-3/4 | 51 | 62 | 71 | 8 |
| CP36B* | 0.074 | 0.068 | 22 | 46 | 16-3/4 | 56 | 68 | 79 | 8 |
| CP36C* | 0.074 | 0.068 | 22 | 46 | 20-3/4 | 69 | 82 | 94 | 8 |
| CP36D* | 0.074 | 0.068 | 22 | 46 | 20-3/4 | 75 | 90 | 103 | 8 |
| CP36E* | 0.074 | 0.068 | 22 | 46 | 20-3/4 | 54 | 65 | 75 | 8 |
| CP42A* | 0.080 | 0.074 | 22 | 46 | 18-3/4 | 57 | 69 | 80 | 8 |
| CP42B* | 0.080 | 0.074 | 22 | 46 | 18-3/4 | 62 | 76 | 88 | 8 |
| CP42C* | 0.080 | 0.074 | 22 | 46 | 22-3/4 | 70 | 85 | 98 | 6 |
| CP42D* | 0.080 | 0.074 | 22 | 46 | 22-3/4 | 76 | 93 | 108 | 6 |
| CP42E* | 0.080 | 0.074 | 22 | 46 | 22-3/4 | 60 | 73 | 84 | 6 |
| CP48A* | 0.084 | 0.080 | 22 | 46 | 20-3/4 | 62 | 76 | 88 | 8 |
| CP48B* | 0.084 | 0.080 | 22 | 46 | 20-3/4 | 68 | 83 | 96 | 8 |
| CP48C* | 0.084 | 0.080 | 22 | 46 | 24-3/4 | 76 | 93 | 108 | 6 |
| CP48D* | 0.084 | 0.080 | 22 | 46 | 24-3/4 | 83 | 102 | 118 | 6 |
| CP48E* | 0.084 | 0.080 | 22 | 46 | 24-3/4 | 65 | 80 | 92 | 6 |
| CP60A* | 0.092 | 0.089 | 22 | 46 | 24-3/4 | 76 | 93 | 108 | 6 |
| CP60B* | 0.092 | 0.089 | 22 | 46 | 24-3/4 | 83 | 102 | 118 | 6 |
| CP60C* | 0.092 | 0.089 | 22 | 46 | 26-3/4 | 89 | 109 | 126 | 6 |
| CP60D*(1) | 0.092 | 0.089 | 22 | 46 | 26-3/4 | 97 | 119 | 138 | 6 |
| CP60E* | 0.092 | 0.089 | 22 | 46 | 26-3/4 | 80 | 98 | 113 | 6 |
| CP60F* | 0.092 | 0.089 | 22 | 46 | 20-3/4 | 68 | 83 | 96 | 8 |
| CP60G* | 0.092 | 0.089 | 22 | 46 | 24-3/4 | 85 | 104 | 118 | 6 |

Note: (1) Primary pan constructed of powder-painted galvanized steel. P/N 1823

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LEGACY PRODUCTS CP



PRODUCT DIMENSIONS & SPECIFICATIONS

DX-TREME CQ SERIES DEDICATED HORIZONTAL COILS WITH PLENUM AND BUILT-IN AUXILIARY DRAIN PAN (patent pending)



Representative drawing only.
Some models may vary in appearance.

STANDARD SPECIFICATIONS

- Riffed copper tubing, enhanced aluminum fins.
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed.
- Liquid line - 3/8" ODS, suction line - 3/4" ODS on 1-1/2 - 3 ton & 7/8" ODS on 3-1/2 - 5 ton.
- Inlet and outlet dimensions are identical (without end caps).
- Externally mounted flowrate body with Schrader valve for hiss-testing.
- Refrigerant lines exit from top of coil.
- Split access doors on top of coil for easy service.
- Embossed galvanized cabinets standard.
- Fully insulated cabinets with faced insulation.
- Primary pan constructed of heavy duty plastic with four 3/4" FPT condensate drains (two per side). Pan is positively sloped toward drains. Drain diverter channels condensate out of secondary drain into auxiliary pan.
- Auxiliary pan constructed of painted galvanized steel with two 3/4" FPT condensate drains (one per side).
- Plenum sides and top constructed of foil-backed faced fiberglass ductboard or sheet metal.
- Plenum end and bottom constructed of galvanized steel.
- AHRI certifiable with all brands of A/C and heat pump systems.
- ETL listed for use with R-22 and R-410a when proper metering device is used.
- Ten-year limited warranty.

POPULAR OPTIONS:

- Factory or field-installable TXV.
- Schrader mounted on suction manifold external to cabinet.

| COIL MODEL | PISTON SIZE | | DIMENSIONS | | | SHIPPING INFORMATION | | | |
|------------|-------------|-------|--------------------|--------------------|---------------------|-----------------------|-------|-------|----------|
| | R22 | R410a | CABINET WIDTH [W]" | CABINET DEPTH [D]" | CABINET HEIGHT [H]" | SHIPPING WEIGHT (LBS) | | | SKID QTY |
| | | | | | | 2 ROW | 3 ROW | 4 ROW | |
| CQ24A* | 0.059 | 0.055 | 22 | 46 | 18-1/8 | 47 | 55 | 63 | 8 |
| CQ24B* | 0.059 | 0.055 | 22 | 46 | 18-1/8 | 52 | 62 | 70 | 8 |
| CQ24C* | 0.059 | 0.055 | 22 | 46 | 22-1/8 | 63 | 73 | 82 | 8 |
| CQ24D* | 0.059 | 0.055 | 22 | 46 | 22-1/8 | 69 | 81 | 91 | 8 |
| CQ30A* | 0.068 | 0.059 | 22 | 46 | 18-1/8 | 52 | 62 | 70 | 8 |
| CQ30B* | 0.068 | 0.059 | 22 | 46 | 18-1/8 | 57 | 68 | 77 | 8 |
| CQ30C* | 0.068 | 0.059 | 22 | 46 | 22-1/8 | 69 | 81 | 91 | 8 |
| CQ30D* | 0.068 | 0.059 | 22 | 46 | 22-1/8 | 75 | 88 | 100 | 8 |
| CQ30E* | 0.068 | 0.059 | 22 | 46 | 22-1/8 | 55 | 65 | 74 | 8 |
| CQ36A* | 0.074 | 0.068 | 22 | 46 | 18-1/8 | 57 | 68 | 77 | 8 |
| CQ36B* | 0.074 | 0.068 | 22 | 46 | 18-1/8 | 62 | 74 | 85 | 8 |
| CQ36C* | 0.074 | 0.068 | 22 | 46 | 22-1/8 | 75 | 88 | 100 | 8 |
| CQ36D* | 0.074 | 0.068 | 22 | 46 | 22-1/8 | 81 | 96 | 109 | 8 |
| CQ36E* | 0.074 | 0.068 | 22 | 46 | 22-1/8 | 60 | 71 | 81 | 8 |
| CQ42A* | 0.080 | 0.074 | 22 | 46 | 20-1/8 | 63 | 75 | 86 | 8 |
| CQ42B* | 0.080 | 0.074 | 22 | 46 | 20-1/8 | 68 | 82 | 94 | 8 |
| CQ42C* | 0.080 | 0.074 | 22 | 46 | 24-1/8 | 76 | 91 | 104 | 6 |
| CQ42D* | 0.080 | 0.074 | 22 | 46 | 24-1/8 | 82 | 99 | 114 | 6 |
| CQ42E* | 0.080 | 0.074 | 22 | 46 | 24-1/8 | 66 | 79 | 90 | 6 |
| CQ48A* | 0.084 | 0.080 | 22 | 46 | 22-1/8 | 68 | 82 | 94 | 8 |
| CQ48B* | 0.084 | 0.080 | 22 | 46 | 22-1/8 | 74 | 89 | 102 | 8 |
| CQ48C* | 0.084 | 0.080 | 22 | 46 | 26-1/8 | 82 | 99 | 114 | 6 |
| CQ48D* | 0.084 | 0.080 | 22 | 46 | 26-1/8 | 89 | 108 | 124 | 6 |
| CQ48E* | 0.084 | 0.080 | 22 | 46 | 26-1/8 | 71 | 86 | 98 | 6 |
| CQ60A* | 0.092 | 0.089 | 22 | 46 | 26-1/8 | 82 | 99 | 114 | 6 |
| CQ60B* | 0.092 | 0.089 | 22 | 46 | 26-1/8 | 89 | 108 | 124 | 6 |
| CQ60C* | 0.092 | 0.089 | 22 | 46 | 28-1/8 | 95 | 115 | 132 | 6 |
| CQ60D*(1) | 0.092 | 0.089 | 22 | 46 | 28-1/8 | 103 | 125 | 144 | 6 |
| CQ60E* | 0.092 | 0.089 | 22 | 46 | 28-1/8 | 86 | 104 | 119 | 6 |
| CQ60F* | 0.092 | 0.089 | 22 | 46 | 22-1/8 | 74 | 89 | 102 | 8 |
| CQ60G* | 0.092 | 0.089 | 22 | 46 | 26-1/8 | 91 | 110 | 126 | 6 |

Note: (1) Primary pan constructed of powder-painted galvanized steel (P/N 1823).

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LEGACY PRODUCTS HQ



Metering Device Selection Matrix

| Refrigerant | Range (tons) | For use with A/C or H/P | 20% Bleed Port | TXV Kit Model No. | Aspen Part No.* | Parker p/n | Sporlan p/n | Emerson | Danfoss | Ordering Nomenclature | |
|-------------|--------------|-------------------------|----------------|-------------------|-----------------|-------------------------|------------------------------|--------------|-----------|-----------------------|------------------|
| | | | | | | | | | | C coils & A AH's | B coils & F AH's |
| R410A | 1 1/2-3 1/2 | Both | No | X5-3 | 4200 (1) | HCE3KX100A | CBBIZE-3-GA-BP20 - NON BLEED | ANCE 3 ZW195 | 067U5985 | 4 | +X5 |
| R410A | 4-5.6 | Both | No | X5-5 | 4202 (1) | HCE5KX100A | CBBIZE-6-GA-BP20 - NON BLEED | ANCE 5 ZW195 | 067U5986 | 4 | +X5 |
| R410A | 1 1/2-3 1/2 | Both | Yes | X6-3 | 4203 (2) | | | | | 6 | +X6 |
| R410A | 4-5.6 | Both | Yes | X6-5 | 4204 (2) | | | | | 6 | +X6 |
| R22 | 1 1/2-3 1/2 | Both | Yes | X3-3 | 4044 (1) | HCE3VX100AB20 | CBBVE-3-GA-BP20 | ANCEB 3 HAA | 0674-3114 | B | +X3 |
| R22 | 4-5.6 | Both | Yes | X3-5 | 4050 (1) | HCE5VX100AB20 | CBBVE-6-GA-BP20 | ANCEB 5 HAA | 0674-3116 | B | +X3 |
| R22 | 1 1/2-3 1/2 | Both | No | X2-3 | 4190 (1) | HCE3VX100A | CBBVE-3-GA-BP20 - NON BLEED | ANCE 3 HAA | 0674-3113 | X | +X2 |
| R22 | 4-5.6 | Both | No | X2-5 | 4195 (1) | HCE5VX100A | CBBVE-6-GA-BP20 - NON BLEED | ANCE 5 HAA | 0674-3115 | X | +X2 |
| R410A | 7.5-10 | Both | No | X4-10 | 3947 (2) | ALSO NEED #3948 ADAPTER | N/A | N/A | N/A | 4 | +X4 |
| R22 | 7.5 | A/C | No | X1-7.5 | 3946 (2) | N/A | | N/A | N/A | X | +X1 |
| R22 | 10 | A/C | No | X1-10 | 3940 (2) | N/A | SVE-10-CP-100 | N/A | N/A | X | +X1 |

*[1] = Non-Adjustable Valve; [2] = Adjustable Valve

PISTON SIZE-NON TXV USE

| Tonnage | R22 | | R410A | | PART # | PART # |
|---------|------------|--------|------------|------|--------|--------|
| | Orifice Sz | PART # | Orifice Sz | (G) | | |
| 1T | 0.041 | 3962 | N/A | N/A | N/A | N/A |
| 1.5T | 0.055 | 3999 | 0.049 | 4006 | | |
| 2T | 0.059 | 4000 | 0.055 | 3999 | | |
| 2.5T | 0.068 | 3987 | 0.059 | 4000 | | |
| 3T | 0.074 | 4001 | 0.068 | 3987 | | |
| 3.5T | 0.080 | 3990 | 0.074 | 4001 | | |
| 4T | 0.084 | 3991 | 0.080 | 3990 | | |
| 5T | 0.092 | 3998 | 0.089 | 3960 | | |

| Dual Circuit Commercial Coils | Single Circuit R22 TXV | Single Circuit R410A TXV | Dual Circuit Use 2 R22 TXV | Dual Circuit Use 2 R410A TXV |
|-------------------------------|------------------------|--------------------------|----------------------------|------------------------------|
| BV*** 72+[*] | (X1) 4195 | (X4) 4202 | (X1) 4190 | (X4) 4200 |
| BV*** 90+[*] | (X1) 3946 | (X4) 3947+3948 | (X1) 4195 | (X4) 4202 |
| BV*** 120+[*] | (X1) 3940 | (X4) 3947+3948 | (X1) 4195 | (X4) 4202 |
| CC72**[*] | (X) 4195 | (4) 4202 | (X) 4190 | (4) 4200 |
| CC90**[*] | (X) 3946 | (4) 3947+3948 | (X) 4195 | (4) 4202 |
| CC120**[*] | (X) 3940 | (4) 3947+3948 | (X) 4195 | (4) 4202 |

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REFERENCE MATERIAL



TXV (Expansion Valves)

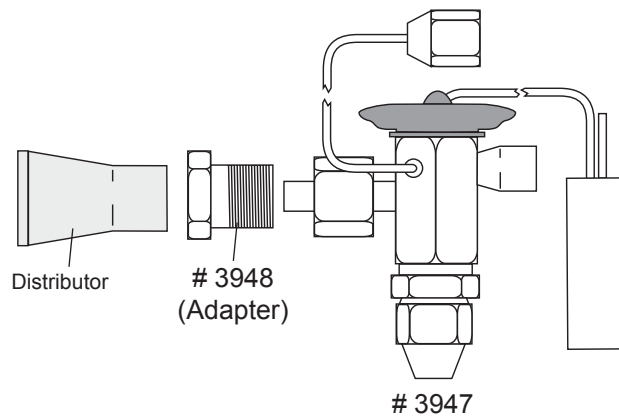
Commercial Horizontal Slab &
CC Series 7.5 -10 ton Single Circuit Coils

These coils can be converted between R-22 and R-410A. Distributor piece removal will require proficiency in brazing and soldering. Understand the differences between the R-22 and R-410A expansion valves before attempting conversion, particularly when converting from R-410A to R-22.

R-22 to R-410A Conversion

7.5 Ton & 10 Ton

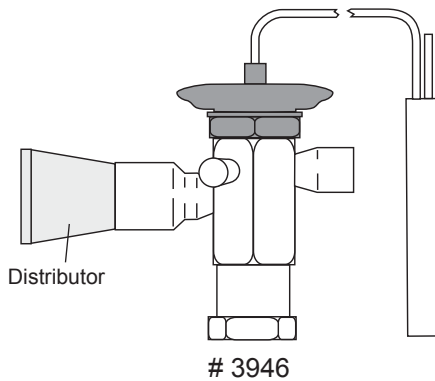
Requires Part #3947 (Bolt type) plus Adapter #3948



R-410A to R-22 Conversion:

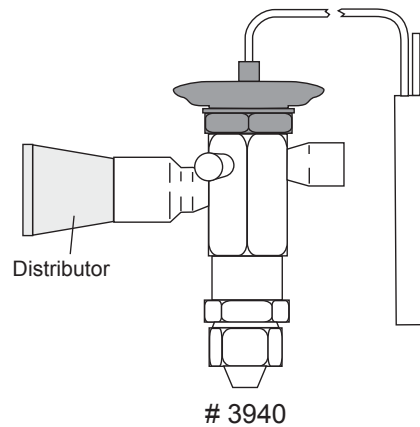
7.5 Ton

Requires part #3946 (sweat fitting)



10 Ton

Requires part #3940 (sweat fitting)



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