

# ABW SERIES

## WALL MOUNT HYDRONIC HEAT

### FEATURES, BENEFITS, DIMENSIONS, & SPECIFICATIONS



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

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 water stagnation.

#### 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.



### WANT MORE INFORMATION ON ASPEN'S ABW SERIES AIR HANDLERS?

SCAN QR CODE TO VISIT THIS PRODUCT ON OUR WEBSITE



*For complete warranty details, please visit our Warranty Information tab when you visit Aspen's website.  
To view this coil's product information online for the most up-to-date information scan the QR Code.*

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ABW-Spec-2025-04

## HEATING/COOLING PERFORMANCE & ELECTRICAL DATA

| MODEL  | PERFORMANCE DATA   |                   |            |                    |                                  | ELECTRICAL DATA |       |                              |                                  |
|--------|--------------------|-------------------|------------|--------------------|----------------------------------|-----------------|-------|------------------------------|----------------------------------|
|        | NOM. COOLING (BTU) | HYDRONIC HEAT KIT | HEAT. COIL | HYDRONIC COIL Δ P. | HEATING CAPACITY (BTU) @ 3.5 GPM |                 |       | MIN. CIRCUIT AMPACITY (MCA2) | MAX. BREAKER OR FUSE SIZE (MEU2) |
|        |                    |                   | # ROWS     | FT. WATER          | 120°                             | 140°            | 180°  |                              |                                  |
| ABW 18 | 18,000             | U(C,T)2S(P,L)     | 2          | 3                  | 18800                            | 26600           | 42300 | 4.1                          | 15                               |
|        |                    | U(C,T)3S(P,L)     | 3          | 1.8                | 21600                            | 30400           | 48500 | 4.1                          |                                  |
| ABW 24 | 24,000             | U(C,T)2S(P,L)     | 2          | 3                  | 21000                            | 30100           | 48000 | 4.1                          |                                  |
|        |                    | U(C,T)3S(P,L)     | 3          | 1.8                | 24700                            | 34800           | 55600 | 4.1                          |                                  |
| ABW 30 | 30,000             | U(C,T)2S(P,L)     | 2          | 3                  | 23200                            | 32800           | 52500 | 7.9                          |                                  |
|        |                    | U(C,T)3S(P,L)     | 3          | 1.8                | 27000                            | 38200           | 61100 | 7.9                          |                                  |
|        |                    | U(C,T)4S(P,L)     | 4          | 1.1                | 28300                            | 40100           | 64000 | 7.9                          |                                  |
| ABW 36 | 36,000             | U(C,T)2S(P,L)     | 2          | 3                  | 24700                            | 35000           | 56000 | 7.9                          |                                  |
|        |                    | U(C,T)3S(P,L)     | 3          | 1.8                | 29900                            | 41000           | 65500 | 7.9                          |                                  |
|        |                    | U(C,T)4S(P,L)     | 4          | 1.1                | 30400                            | 43000           | 68800 | 7.9                          |                                  |

## BLOWER DATA

| MODEL     | PSC MOTOR |     |     |      | CFM VS EXTERNAL STATIC (DRY COIL) |      |      |      |      |
|-----------|-----------|-----|-----|------|-----------------------------------|------|------|------|------|
|           | SPEED     | HP  | AMP | VOLT | 0.1                               | 0.2  | 0.3  | 0.4  | 0.5  |
| ABW 18/24 | LOW       | 1/5 | 2.8 | 120  | 772                               | 736  | 690  | 633  | 574  |
|           | HIGH      | 1/5 | 2.8 |      | 829                               | 784  | 732  | 663  | 600  |
| ABW 30/36 | LOW       | 1/3 | 5.8 |      | 1000                              | 980  | 920  | 870  | 800  |
|           | HIGH      | 1/3 | 5.8 |      | 1210                              | 1190 | 1160 | 1130 | 1070 |

## AIR HANDLER CHASSIS NOMENCLATURE

| ABW                                | NOM. TON.  | METERING DEVICE   | OPTION CODE |
|------------------------------------|--|---|-------------|
|                                    | 18   | F   | -001        |
| 120V PSC MOTOR VERTICAL WALL MOUNT | <b>18</b> = 18,000<br><b>24</b> = 24,000<br><b>30</b> = 30,000<br><b>36</b> = 36,000 (MBTUH) | <b>A1</b><br><b>4</b> = R410A (TXV NON-BLEED A/C or H/P) <b>G</b> = R410A (PISTON)<br><b>B</b> = R22 (TXV 20% BLEED A/C or H/P) <b>F</b> = R22 (PISTON)   | OPTION CODE |
|                                    |  | <b>A2L</b><br><b>D</b> = R32 (TXV NON-BLEED A/C or H/P) <b>M</b> = R32 (PISTON)<br><b>J</b> = R454B (TXV NON-BLEED A/C or H/P) <b>N</b> = R454B (PISTON)<br><b>K</b> = R454B (TXV 20% BLEED A/C or H/P) |             |

## HYDRONIC HEAT NOMENCLATURE

| HEAT KIT SERIES          | POWER CONNECTION  | # ROWS  | CABINET SIZE & NOM. TON.  | PUMP TYPE  |
|--------------------------|---|---|---------------------------|--|
| U                        | C   | 2   | S                         | P  |
| WALL MOUNT HYDRONIC HEAT | <b>C</b> = CIRCUIT BREAKER<br><b>T</b> = TERMINAL BLOCK | <b>2</b> = 2 ROWS<br><b>3</b> = 3 ROWS<br><b>4</b> = 4 ROWS | <b>S (SMALL)</b><br>18-36 | <b>L</b> = No Pump<br><b>P</b> = Taco 006 Pump (factory installed)<br><b>8</b> = Taco 008 Pump high head (factory installed)<br><b>R</b> = Taco 009 Pump high head (to be mounted external to all units except for multi-position units) |

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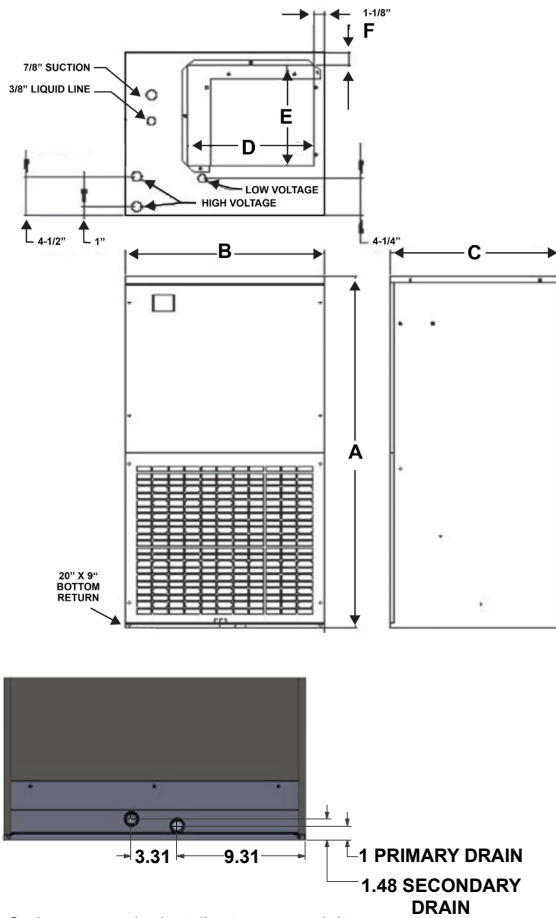
**ABW DIMENSIONS & SHIPPING SPECIFICATIONS (In.) - FIGURE 1**

| MODEL  | A               | B          | C              | OPENING SIZE   |                | FILTER | PISTON | SHIPPING INFO |     |
|--------|-----------------|------------|----------------|----------------|----------------|--------|--------|---------------|-----|
|        |                 |            |                | D              | E              |        |        | WEIGHT        | QTY |
| ABW18* | 44-1/2<br>[113] | 22<br>[56] | 18-3/4<br>[48] | 17-5/8<br>[45] | 10-1/2<br>[27] | 20X20  | 0.055  | 110           | 4   |
| ABW24* |                 |            |                |                |                |        |        | 110           |     |
| ABW30* |                 |            |                |                |                |        |        | 118           |     |
| ABW36* |                 |            |                |                |                |        |        | 118           |     |

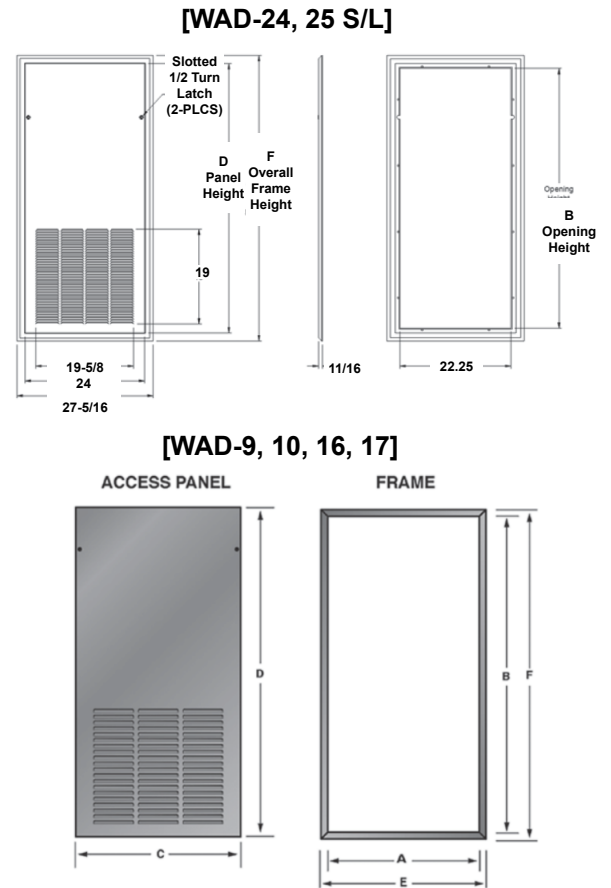
**ABW DIMENSIONS (In.) - FIGURE 2**

| PANEL MODEL | FOR USE WITH | FINISH | OPENING SIZE |    | PANEL SIZE |    | FRAME SIZE |        | # OF PANELS |
|-------------|--------------|--------|--------------|----|------------|----|------------|--------|-------------|
|             |              |        | A            | B  | C          | D  | E          | F      |             |
| WAD-16(S/L) | ABW          | Smooth | 22-1/4       | 52 | 24-1/4     | 54 | 24-1/8     | 53-7/8 | 1           |
| WAD-17(S/L) |              | Smooth | 22-1/4       | 46 | 24-1/4     | 48 | 24-1/8     | 47-7/8 |             |
| WAD-24(S/L) |              | Smooth | 22-1/4       | 52 | 24         | 54 | 27-1/3     | 51-1/4 |             |
| WAD-25(S/L) |              | Smooth | 22-1/4       | 46 | 24         | 48 | 27-1/3     | 51-1/4 |             |

**FIGURE 1**



**FIGURE 2**



Note: Code may require installer to use conduit

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