

2 NEW HOT  
WATER FURNACES  
NOW AVAILABLE



## **FWA-AQ Series**

## **FWA-HW Series**

**Multi-Position, Heating Only**  
**Up to 109,200 BTUH Heating**  
**305 to 1500 CFM**



The FWA-AQ / FWA-HW products are compact, multi-position, cased air handlers that include hot water coils for hydronic space heating.

The FWA-HW series is specifically designed for boiler loop and does not include a circulating pump. The FWA-AQ series includes a factory installed circulating pump and is designed for connection to gas or oil-fired water heaters.

The cabinet is made of embossed galvanized steel and is fully insulated.

Note: FWA-AQ models State of MA, .248 CMR code of the state of MA requires a pump timer. (60 seconds every 6 hours)

These fan coils are compatible with any source of hot water that doesn't exceed 180<sup>o</sup> and is NSF/ANSI certified for use with domestic water.

### **Standard Features: (both products)**

- Cabinets are embossed galvanized steel and fully insulated
- Compact size - 20" or 23" deep and only 27" tall
- Three or four motor speeds to chose from (single speed operation)
- Highly efficient copper tube / aluminum fin coils
- Upflow, downflow, or horizontal (left or right) installations
- Blower door safety switch
- Factory installed filter
- Manual air vent on coil
- 120/24V transformer and fan relay

### **Additional FWA-AQ Features:**

- Circulating pump
- Easy-access hot water check valve

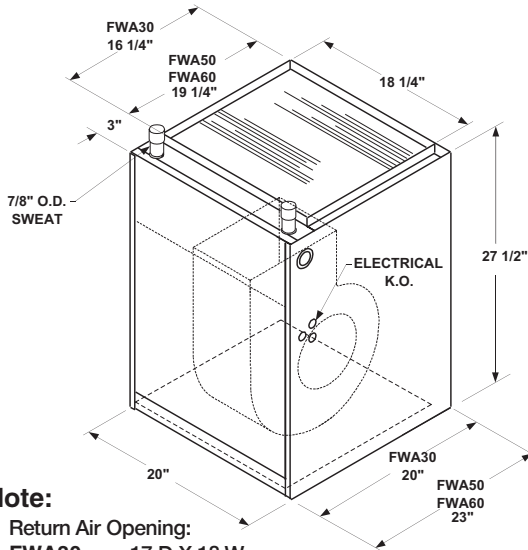
### **Optional Accessories:**

- Remote "flow control" assembly for FWA-HW models (part # 940-3CV). Mounts in hot water line external to unit.
- Freeze protector for units with circulating pump

# FWA-AQ Series

# FWA-HW Series

## Multi-Position, Heating Only



**Note:**

Return Air Opening:  
**FWA30** 17 D X 18 W  
**FWA50/60** 20 D X 18 W

Filter Size  
**FWA30** 20 X 20 X 1  
**FWA50/60** 20 X 22 1/4 X 1



| FWA30 PERFORMANCE DATA   |     |                 |             |               |  |       |       |
|--------------------------|-----|-----------------|-------------|---------------|--|-------|-------|
| UNIT MODEL               | GPM | P.D. (FT. WTR.) | MOTOR SPEED | CFM @ .15 ESP | BTUH (1000) AT ENTERING WATERTEMPERATURE |       |       |
|                          |     |                 |             |               | 120°F                                    | 140°F | 180°F |
| FWA30-HW                 | 4   | 3.2             | HIGH        | 930           | 28.0                                     | 39.2  | 61.6  |
|                          |     |                 | MED-HIGH    | 730           | 24.1                                     | 33.7  | 53.0  |
|                          |     |                 | MED-LOW     | 465           | 17.9                                     | 25.1  | 39.4  |
| FWA30-HW<br>FWA30-AQ (3) | 3   | 1.8             | HIGH        | 930           | 26.5                                     | 37.1  | 58.3  |
|                          |     |                 | MED-HIGH    | 730           | 22.9                                     | 32.0  | 50.3  |
|                          |     |                 | MED-LOW     | 465           | 17.2                                     | 24.1  | 37.9  |
| FWA30-HW                 | 2   | 0.83            | HIGH        | 930           | 24.2                                     | 33.9  | 53.3  |
|                          |     |                 | MED-HIGH    | 730           | 21.1                                     | 29.5  | 46.4  |
|                          |     |                 | MED-LOW     | 465           | 16.1                                     | 22.5  | 35.4  |
|                          |     |                 | LOW         | 305           | 12.4                                     | 17.3  | 27.2  |

| FWA50 PERFORMANCE DATA   |     |                 |             |               |  |       |       |
|--------------------------|-----|-----------------|-------------|---------------|--|-------|-------|
| UNIT MODEL               | GPM | P.D. (FT. WTR.) | MOTOR SPEED | CFM @ .15 ESP | BTUH (1000) AT ENTERING WATERTEMPERATURE |       |       |
|                          |     |                 |             |               | 120°F                                    | 140°F | 180°F |
| FWA50-HW                 | 6   | 7.6             | HIGH        | 1500          | 41.9                                     | 58.7  | 92.2  |
|                          |     |                 | MED-HIGH    | 1390          | 40.1                                     | 56.2  | 88.3  |
|                          |     |                 | LOW         | 1275          | 38.1                                     | 53.4  | 83.9  |
| FWA50-HW<br>FWA50-AQ (3) | 3.5 | 2.9             | HIGH        | 1500          | 37.7                                     | 52.8  | 83.0  |
|                          |     |                 | MED-HIGH    | 1390          | 36.3                                     | 50.8  | 79.8  |
|                          |     |                 | LOW         | 1275          | 34.5                                     | 48.3  | 75.9  |
| FWA50-HW                 | 2   | 1.1             | HIGH        | 1500          | 32.4                                     | 45.4  | 71.3  |
|                          |     |                 | MED-HIGH    | 1390          | 31.4                                     | 43.9  | 69.0  |
|                          |     |                 | LOW         | 1275          | 29.9                                     | 41.9  | 65.8  |

| FREEZE PROTECTOR |                   |
|------------------|-------------------|
| KIT NUMBER       | FOR               |
| 941-1            | All FWA-AQ Models |



| FLOW CONTROL MODULES |                   |
|----------------------|-------------------|
| PART NUMBER          | FOR               |
| 940-3-CV             | All FWA-HW Models |

**Note:**

Flow Control Modules are required when connecting to individual gas water heaters.

| FWA60 PERFORMANCE DATA   |     |                 |             |               |  |       |       |
|--------------------------|-----|-----------------|-------------|---------------|--|-------|-------|
| UNIT MODEL               | GPM | P.D. (FT. WTR.) | MOTOR SPEED | CFM @ .15 ESP | BTUH (1000) AT ENTERING WATERTEMPERATURE |       |       |
|                          |     |                 |             |               | 120°F                                    | 140°F | 180°F |
| FWA60-HW                 | 6   | 4.3             | HIGH        | 1385          | 49.6                                     | 69.5  | 109.2 |
|                          |     |                 | MED-HIGH    | 1300          | 47.6                                     | 66.6  | 104.7 |
|                          |     |                 | LOW         | 1225          | 45.7                                     | 64.0  | 100.6 |
| FWA60-HW<br>FWA60-AQ (3) | 3.5 | 1.6             | HIGH        | 1385          | 44.7                                     | 62.6  | 98.4  |
|                          |     |                 | MED-HIGH    | 1300          | 42.9                                     | 60.0  | 94.3  |
|                          |     |                 | LOW         | 1225          | 41.3                                     | 57.8  | 90.8  |
| FWA60-HW                 | 2   | 0.6             | HIGH        | 1385          | 38.8                                     | 54.3  | 85.3  |
|                          |     |                 | MED-HIGH    | 1300          | 37.2                                     | 52.1  | 81.9  |
|                          |     |                 | LOW         | 1225          | 36.0                                     | 50.4  | 79.2  |

**Notes:**

- Heat BTU is at 70 degree EAT.
- ALL models are factory wired on high speed.
- FWA-AQ models with circulating pumps have fixed GPM of 3.0 or 3.5.

| ELECTRICAL DATA |                 |       |      |                    |                  |
|-----------------|-----------------|-------|------|--------------------|------------------|
| UNIT MODEL      | MOTOR HP (120V) | AMPS  |      | MIN. CIR. AMPACITY | MAX HACR BREAKER |
|                 |                 | MOTOR | PUMP |                    |                  |
| FWA30-HW        | 1/5             | 2.7   | ---  | 4                  | 15               |
| FWA50-HW        | 1/2             | 8.1   | ---  | 10                 | 15               |
| FWA60-HW        | 1/2             | 8.1   | ---  | 10                 | 15               |
| FWA30-AQ        | 1/5             | 2.7   | 0.57 | 5                  | 15               |
| FWA50-AQ        | 1/2             | 8.1   | 0.57 | 11                 | 15               |
| FWA60-AQ        | 1/2             | 8.1   | 0.57 | 11                 | 15               |

**Note:**

Motors are 120V multi-speed

In keeping with its policy of continuous progress and product improvement, First Co. reserves the right to make changes without notice. Maintenance for all First Co. products is available under "Product Maintenance" at [www.firstco.com](http://www.firstco.com).

| BLOWER DATA          |             |                                  |      |      |      |      |      |      |
|----------------------|-------------|----------------------------------|------|------|------|------|------|------|
| UNIT MODEL           | MOTOR SPEED | CFM vs. EXTERNAL STATIC PRESSURE |      |      |      |      |      |      |
|                      |             | 0.10                             | 0.15 | 0.20 | 0.25 | 0.30 | 0.40 | 0.50 |
| FWA30-AQ<br>FWA30-HW | High        | 950                              | 930  | 910  | 885  | 860  | 790  | 710  |
|                      | Med-Hi      | 740                              | 730  | 720  | 700  | 680  | 630  | 560  |
|                      | Med-Low     | 480                              | 465  | 450  | 430  | 410  | 380  | 320  |
|                      | Low         | 330                              | 305  | 280  | 260  | 240  | 200  | 160  |
| FWA50-AQ<br>FWA50-HW | High        | 1530                             | 1500 | 1470 | 1435 | 1400 | 1335 | 1265 |
|                      | Medium      | 1410                             | 1390 | 1370 | 1335 | 1300 | 1240 | 1180 |
|                      | Low         | 1300                             | 1275 | 1250 | 1225 | 1200 | 1150 | 1090 |
| FWA60-AQ<br>FWA60-HW | High        | 1420                             | 1385 | 1350 | 1320 | 1290 | 1220 | 1150 |
|                      | Medium      | 1330                             | 1300 | 1270 | 1240 | 1210 | 1140 | 1075 |
|                      | Low         | 1250                             | 1225 | 1200 | 1170 | 1140 | 1085 | 1015 |

**Note:**

- ALL models are factory wired on high speed.