

2 NEW HOT
WATER FURNACES
NOW AVAILABLE

First Co.

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)

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

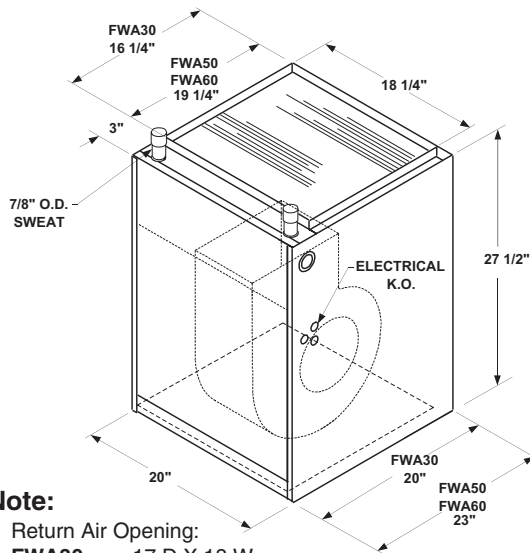
Optional Accessories:

- 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

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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

| 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.



| 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.

Catalog No. FWA913 (Replaces FWA209)

| FWA30 PERFORMANCE DATA | | | | | | | |
|--------------------------|-----|-----------------|-------------|---------------|---|-------|-------|
| UNIT MODEL | GPM | P.D. (FT. WTR.) | MOTOR SPEED | CFM @ .15 ESP | BTUH (1000) AT ENTERING WATER TEMPERATURE | | |
| | | | | | 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 |
| | | | LOW | 305 | 13.6 | 19.0 | 29.9 |
| FWA30-HW 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 |
| | | | LOW | 305 | 13.1 | 18.3 | 28.8 |
| 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 WATER TEMPERATURE | | |
| | | | | | 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 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 |

| FWA60 PERFORMANCE DATA | | | | | | | |
|--------------------------|-----|-----------------|-------------|---------------|---|-------|-------|
| UNIT MODEL | GPM | P.D. (FT. WTR.) | MOTOR SPEED | CFM @ .15 ESP | BTUH (1000) AT ENTERING WATER TEMPERATURE | | |
| | | | | | 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 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.

| 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 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 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 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.