

First Co.

FWA-AQ

Multi-Position Air Handler
with Installed Water Pump

Multi-Position, Heating Only

Up to 109,200 BTUH Heating

305 to 1500 CFM (Without Pump)

Compact size – 20" or 23" Deep
And Only 27" Tall

AquaTherm®
by First Co.



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In keeping with its policy of continuous progress and product improvement, First Co. reserves the right to make changes without notice.

FWA-AQ

MULTI-POSITION AIR HANDLER WITH INSTALLED WATER PUMP

FEATURES

The **FWA-AQ** products are compact, multi-position, cased air handlers that include hot water coils for hydronic space heating. 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°F and is NSF/ANSI certified for use with domestic water.

STANDARD FEATURES

- 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
- Circulating pump
- Easy-access hot water check valve



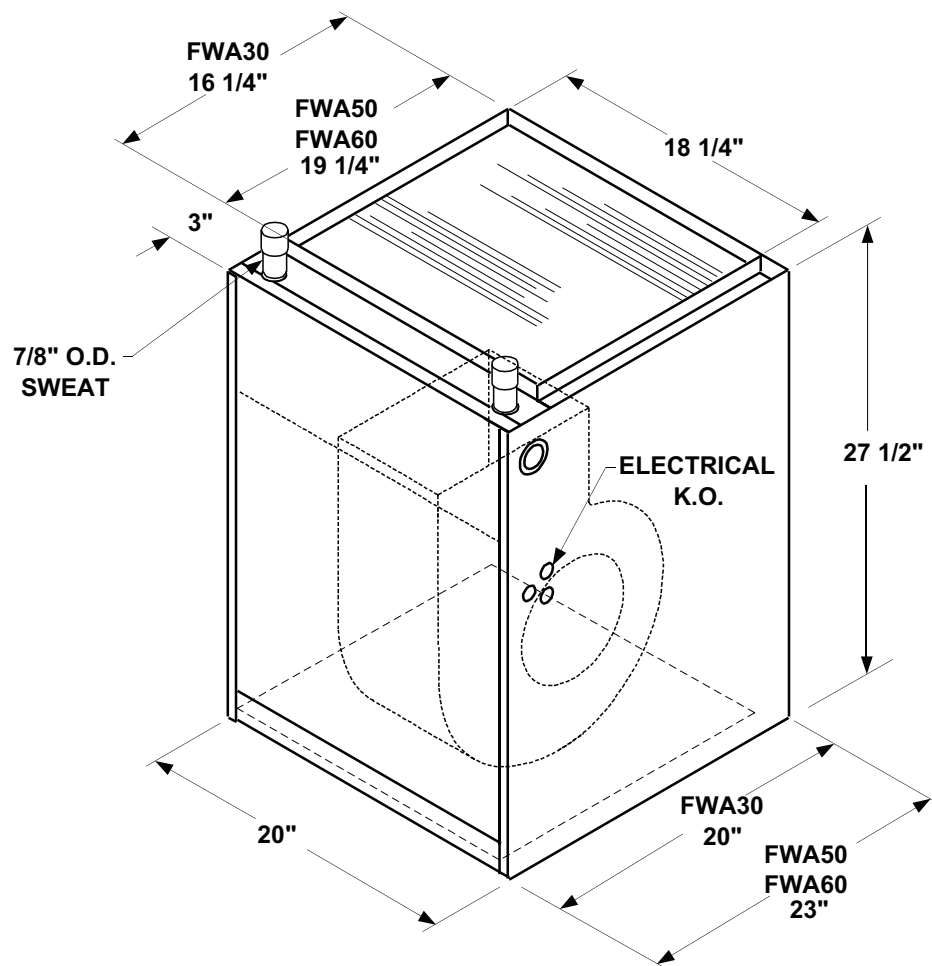
FWA-AQ

FWA-AQ

MULTI-POSITION AIR HANDLER WITH INSTALLED WATER PUMP

ELECTRICAL DATA

MULTI-POSITION, HEATING ONLY



FWA-AQ – 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: 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

FWA-AQ

MULTI-POSITION AIR HANDLER WITH INSTALLED WATER PUMP

BLOWER DATA

MULTI-POSITION, HEATING ONLY

FWA-AQ – 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 in high speed.

Motors are 120V multi-speed.

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

FWA-AQ – 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.

FWA-AQ

MULTI-POSITION AIR HANDLER WITH INSTALLED WATER PUMP

MULTI-POSITION, HEATING ONLY PERFORMANCE DATA

FWA30 – PERFORMANCE DATA						
UNIT MODEL	P.D. (FT. WTR.)	MOTOR SPEED	CFM @ .15 ESP	BTUH (1000) AT ENTERING WATER TEMPERATURE		
				120°F	140°F	180°F
FWA30-HW	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	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	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	P.D. (FT. WTR.)	MOTOR SPEED	CFM @ .15 ESP	BTUH (1000) AT ENTERING WATER TEMPERATURE		
				120°F	140°F	180°F
FWA50-HW	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	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	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	P.D. (FT. WTR.)	MOTOR SPEED	CFM @ .15 ESP	BTUH (1000) AT ENTERING WATER TEMPERATURE		
				120°F	140°F	180°F
FWA60-HW	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	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	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

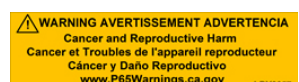
NOTES:

Heat BTU is at 70°F EAT.

Based on 20°F Delta-T. Velocity not to exceed 4ft./sec.

ALL models are factory wired on high speed.

AQ models have a factory installed pump at 3 to 3.5 GPM.





AMERICAN-MADE. FAMILY OWNED.



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