



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" 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 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.

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

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
AAW18	FCS00	1-1/2	0	0	0	0	1.9	2.3	15	15
	FCS03		2.25	3	7.7	10.3	15	18	15	20
	FCS05		3.8	5	13	17	25	29	30	30
	FCS08		6.0	8	20.5	27.3	39	44	40	50
	FCS10		7.5	10	25.6	34.1	47	55	50	60
AAW24	FCS00	2	0	0	0	0	1.9	2.3	15	15
	FCS03		2.25	3	7.7	10.3	15	18	15	20
	FCS05		3.8	5	13	17	25	29	30	30
	FCS08		6.0	8	20.5	27.3	39	44	40	50
	FCS10		7.5	10	25.6	34.1	47	55	50	60
AAW30	FCS00	2-1/2	0	0	0	0	2.9	3.3	15	15
	FCS03		2.25	3	7.7	10.3	16	19	15	20
	FCS05		3.8	5	13	17	26	30	30	30
	FCS08		6.0	8	20.5	27.3	40	47	40	50
	FCS10		7.5	10	25.6	34.1	49	56	50	60
AAW36	FCS00	3	0	0	0	0	2.9	3.3	15	15
	FCS03		2.25	3	7.7	10.3	16	19	15	20
	FCS05		3.8	5	13	17	26	30	30	30
	FCS08		6.0	8	20.5	27.3	40	47	40	50
	FCS10		7.5	10	25.6	34.1	49	56	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 & AAW 24	LOW	1/5	2.8	240	834	795	746	687	620
	HIGH				930	888	823	749	680
AAW30 & AAW36	LOW	1/3	5.4	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

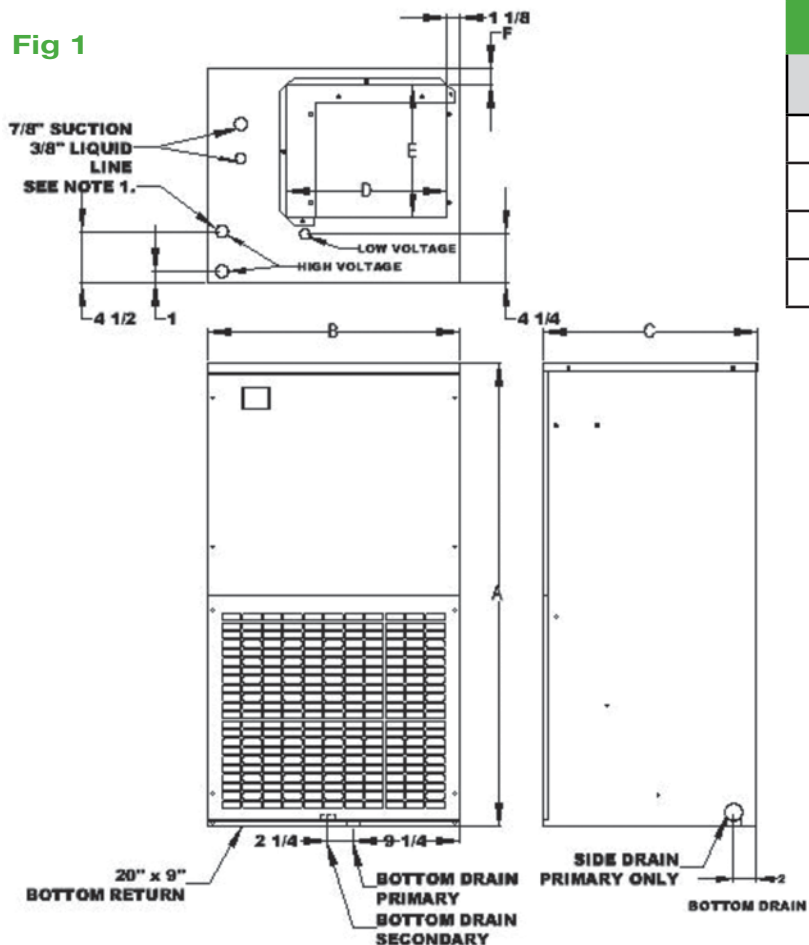
ELECTRIC HEAT KIT NOMENCLATURE

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

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	8
AAW24*	37 1/2 [95]	22 [56]	18-3/4 [48]	14 [36]	10 [25]	3-1/4 [8.3]	20X20	0.059	90	8
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	8
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	8

Fig 1

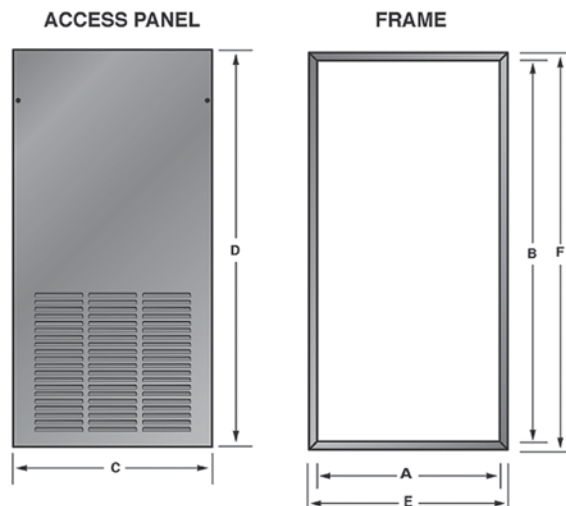


NOTE 1. CODE MAY REQUIRE INSTALLER TO USE CONDUIT INSIDE CABINET TO ELECTRICAL ENCLOSURE.

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-8(S/L)	AAW 18/24	22-1/4	42-1/2	24-1/4	44-1/2	24-1/8	44-3/8	1
WAD-9(S/L)	AAW 30/36	22-1/4	46	24-1/4	48	24-1/8	47-7/8	1