



PRODUCT DIMENSIONS & SPECIFICATIONS

AEN UPFLOW/DOWNFLOW MANUFACTURED HOME ELECTRIC FURNACE



Representative image only. Some models may vary in appearance. Due to continuous product improvement, specifications are subject to change without notice.

FEATURES AND BENEFITS

APPLICATION VERSATILITY

One model that delivers 2 to 5 tons of cooling or heating airflow. Upflow (with MAD coil box) and downflow applications. Can be installed in a closet and alcove.

MOTOR

Constant torque ECM speeds and torques are controlled by software embedded in the motor to maintain constant torque. Motors are pre-programmed at the factory. Direct drive blowers circulate air quietly and efficiently. Motor speeds and torques programmed in the motor. Blowers mounted on rails so they can be easily removed for service.

CABINET

Sturdy, galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available from 3 to 20 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. Disconnect does not protrude through the wall panel.

ELECTRONIC CIRCUIT BOARD

Electronic circuit board provides 30 secs ON/OFF blower time delay extracting more heat/cool from the coil. Automotive pull-style fuse integrated into board.

WARRANTY

Hassle-free five-year limited parts warranty.

OPTIONS

See options menu.

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* For complete warranty details visit www.aspenmfg.com.

Revised 09/11/20. In keeping with its policy of continuous progress and product improvement, Aspen reserves the right to make changes without notice and incurring obligation. © 2020

ELECTRIC FURNACE

HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

MODEL	HEAT KIT	PERFORMANCE DATA				ELECTRICAL DATA				
		NOMINAL COOLING (BTUS)	HEATING (KW)		HEATING (KBTUH)		MINIMUM CIRCUIT AMPACITY (MCA)		MAX BREAKER OR FUSE SIZE	
			208V	240V	208V	240V	208V	240V	208V	240V
AEN	F(C,T)S00	24,000 - 60,000	0	0	0	0	6.8	6.8	15	15
	F(C,T)S03		2.3	3	7.8	10.2	20.3	22.4	25	25
	F(C,T)S05		3.6	4.8	12.6	16.4	28.4	31.8	30	35
	F(C,T)S08		6	8	20.4	27.3	42.8	48.4	45	50
	F(C,T)S10		7.2	9.6	24.5	32.8	50	56.8	50	60
	F(C,T)S15		11.3	14.4	38.5	49.1	50/21.6	56.8/25	50/25	60/25
	F(C,T)S20		14.4	19.2	49.1	65.5	50/43.3	56.8/50	50/45	60/50

BLOWER DATA

MODEL	SPEED TAP	MOTOR HP	MOTOR AMPS	MOTOR VOLTAGE	CFM V. EXTERNAL STATIC *				
					0.10	0.20	0.30	0.40	0.50
AEN	T1	3/4	5.4	240	940	850	795	740	640
	T2				1155	1070	1015	950	885
	T3				1375	1305	1255	1180	1127
	T4				1500	1430	1375	1315	1260
	T5				1850	1800	1760	1710	1650

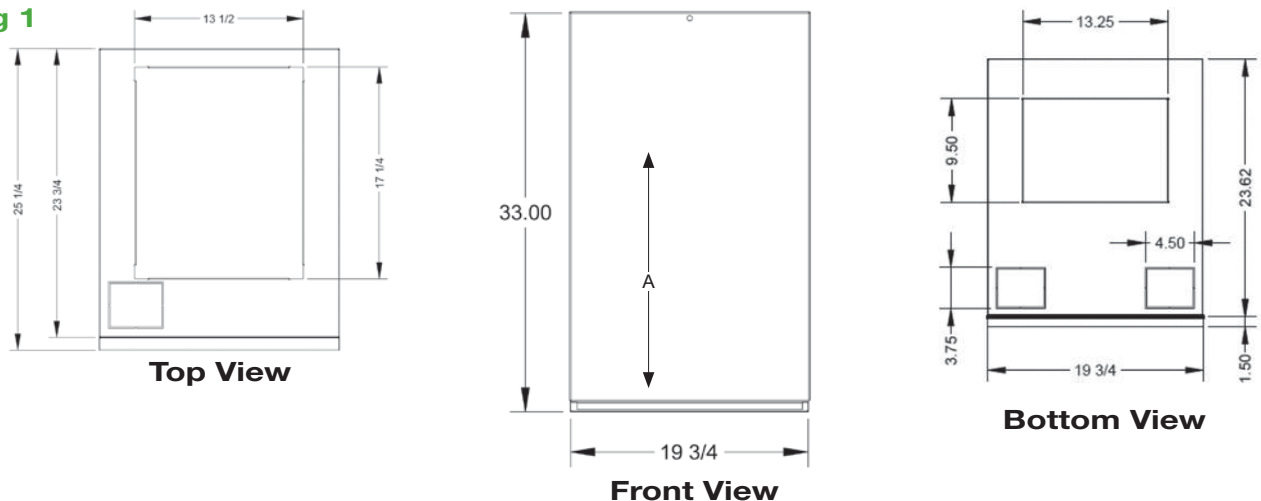
AIR HANDLER CHASSIS NOMENCLATURE

AEN	-001
AEN = 240V Constant torque ECM Manufactured Housing Electric Furnace	Option Code

ELECTRIC HEAT KIT NOMENCLATURE

F	C	L	03
Electric Heat	<u>Interruption</u> C = Circuit Breaker T = Terminal Block P = Circuit Breaker w/Single Point 3 = 3-Phase Circuit Breaker 4 = 3-Phase Terminal Block	L	<u>Heat Strip</u> 00 = 0 KW 03 = 3 KW 05 = 5 KW 08 = 8 KW 10 = 10 KW 15 = 15 KW 20 = 20 KW

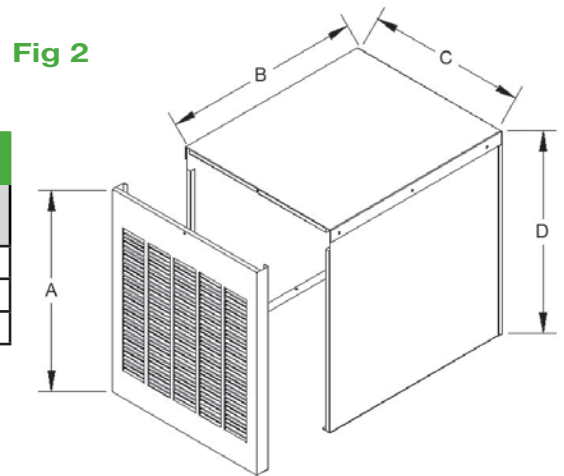
Fig 1



COIL BOXES AND ACCESSORIES

DOWNFLOW COIL BOX CABINET DIMENSIONS (Fig 2)

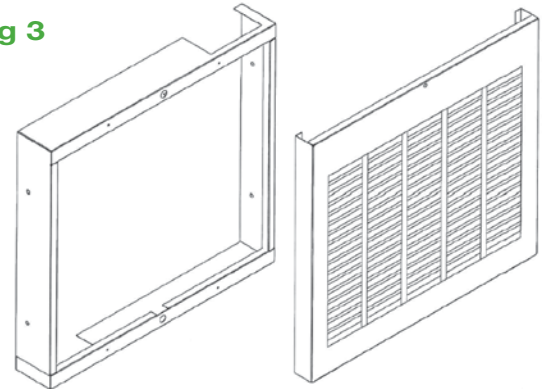
PANEL MODEL	FOR USE WITH	A	B	C	D
MAD-01(L)	AEN	18	23-1/2	19-3/4	18
MAD-02(L)	AEN	24			24
MAD-03(L)	AEN	36			36



TOP GRILLE AND FRAME KIT DIMENSIONS (Fig 3)

PANEL MODEL	FOR USE WITH	A	B
MAD-04(L)	AEN	24	19-3/4

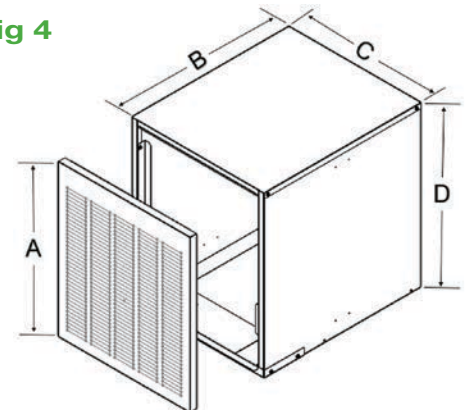
Fig 3



UPFLOW/DOWNFLOW COIL BOX CABINET DIMENSIONS (FIG 4)

MODEL	APPLICATION	A	B	C	D
MAD-07	DOWNFLOW (FRONT RETURN) COIL CABINET	24	23-1/2	19-3/4	24
MAD-08	UPFLOW (BOTTOM RETURN) COIL CABINET				
MAD-09	DOWNFLOW (TOP RETURN) COIL CABINET				

Fig 4



SHIPPING SPECIFICATIONS

SKID QTY	SHIP WEIGHT (LB)
4	85