



## PRODUCT DIMENSIONS & SPECIFICATIONS

### AEN 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.



#### STANDARD FEATURES

##### APPLICATION VERSATILITY

Downflow only application. Can be installed in 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.

##### 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.

##### BLOWER

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.

##### 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](http://www.aspenmfg.com).

Revised 10/31/18. In keeping with its policy of continuous progress and product improvement, Aspen reserves the right to make changes without notice and incurring obligation. © 2018

## HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

MODEL	HEAT KIT	PERFORMANCE DATA				ELECTRICAL DATA			
		NOMINAL COOLING (BTUS)	FAN AMPS	HEATING (KW)		MINIMUM CIRCUIT AMPACITY (MCA)		MAX BREAKER OR FUSE SIZE	
				208V	240V	208V	240V	208V	240V
AEN 24	F(C,T)L00	24,000	4.1	0.0	0.0	5.1	5.1	15	15
	F(C,T)L03			2.3	3.0	18.6	20.8	20	25
	F(C,T)L05			3.8	5.0	26.8	30.1	30	35
	F(C,T)L08			6.1	8.0	41.2	46.8	45	50
	F(C,T)L10			6.8	9.0	48.4	55.1	50	60
AEN 30	F(C,T)L00	30,000		0.0	0.0	5.1	5.1	15	15
	F(C,T)L03			2.3	3.0	18.6	20.8	20	25
	F(C,T)L05			3.8	5.0	26.8	30.1	30	35
	F(C,T)L08			6.1	8.0	41.2	46.8	45	50
	F(C,T)L10			6.8	9.0	48.4	55.1	50	60
	F(C,T)L15			10.6	14.0	45.5/22.8	52.0/26.0	50/25	60/30
AEN 36	F(C,T)L00	36,000		0.0	0.0	5.1	5.1	15	15
	F(C,T)L03			2.3	3.0	18.6	20.8	20	25
	F(C,T)L05			3.8	5.0	26.8	30.1	30	35
	F(C,T)L08			6.1	8.0	41.2	46.8	45	50
	F(C,T)L10		6.8	9.0	48.4	55.1	50	60	
	F(C,T)L15		10.6	14.0	45.5/22.8	52.0/26.0	50/25	60/30	
AEN 42	F(C,T)L00	42,000	0.0	0.0	5.1	5.1	15	15	
	F(C,T)L05		3.8	5.0	26.8	30.1	30	35	
	F(C,T)L10		6.8	9.0	48.4	55.1	50	60	
	F(C,T)L15		10.6	14.0	45.5/22.8	52.0/26.0	50/25	60/30	
	F(C,T)L20		13.8	18.0	45.5/40.9	52.0/46.9	50/45	60/60	
AEN 48	F(C,T)L00	48,000	7.6	0.0	0.0	9.5	9.5	20	20
	F(C,T)L05			3.8	5.0	31.1	34.5	35	40
	F(C,T)L10			6.8	9.0	52.8	59.5	60	60
	F(C,T)L15			10.6	14.0	49.4/22.8	56.4/26.0	50/30	60/30
	F(C,T)L20			13.8	18.0	49.4/40.9	56.4/46.9	60/50	60/60
AEN 60	F(C,T)L00	60,000		0.0	0.0	9.5	9.5	15	20
	F(C,T)L05			3.8	5.0	31.1	34.5	35	40
	F(C,T)L10			6.8	9.0	52.8	59.5	60	60
	F(C,T)L15			10.6	14.0	49.4/22.8	56.4/26.0	50/30	60/30
	F(C,T)L20			13.8	18.0	49.4/40.9	56.4/46.9	60/50	60/60

## 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 24/30/36/42	T-2	1/2	4.1	240	880	840	780	720	680
	T-3				1120	1080	1060	1000	960
	T-4				1300	1260	1240	1200	1160
	T-1				1480	1420	1360	1340	1300
AEN 48/60	T-2	1	7.6		1480	1420	1360	1320	1300
	T-1				1860	1820	1780	1720	1640

\*Wet coil

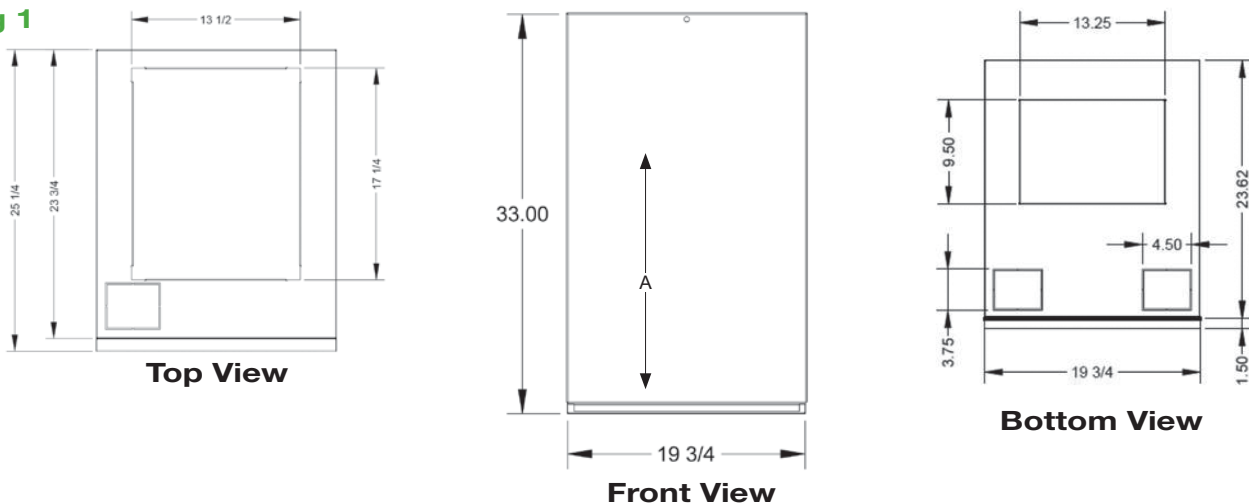
## AIR HANDLER CHASSIS NOMENCLATURE

AEN	18	-001
AEN = 240V Constant torque ECM Manufactured Housing Downflow Electric Furnace	Nominal tonnage (MBTUH)	Option Code

## ELECTRIC HEAT KIT NOMENCLATURE

F	C	L	O3
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 = 24-60	<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

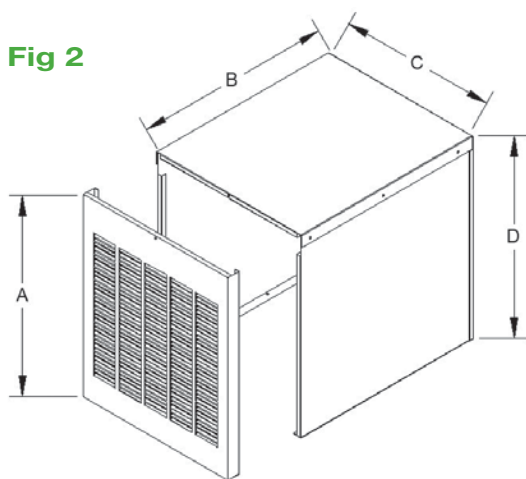
**Fig 1**



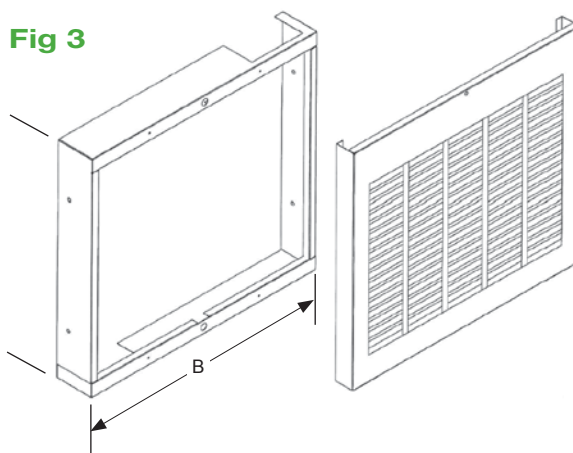
## Cabinet Dimensions and Specifications (Fig 2)

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

**Fig 2**



**Fig 3**



## Door with Frame Kit Dimensions (Fig 3)

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