

Unit shown with service panels removed. Representative drawing only. Some models may vary in appearance.



FEATURES AND SPECIFICATIONS:

APPLICATION VERSATILITY

Designed for the manufactured home market with flexibility in mind. One-piece air handler with the ability to be factory built as upflow (solid door) or downflow (louvered door) air handler. Can also be field configured to opposite configuration with the proper conversion kit. (Kits sold separately). 2 – 5 tons of cooling or heating airflow with a range of electric heat kits.

MOTOR

Constant torque ECM, speeds and torque controlled by software to maintain constant torque*. Direct drive blowers circulate air quietly and efficiently. Motor speeds and torques pre-programmed in the motor at the factory. 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, to encapsulate glass fibers, and to provide excellent R-value. Mechanical fastening 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 for easy diagnosis and replacement of fuse.

WARRANTY

Hassle-free five-year limited parts warranty.

OPTIONS

See options menu.

PRODUCT BENEFITS AND ENHANCEMENTS:

- One piece cabinet, reducing time and effort when field converting airflow orientation. Unit is convertible to either orientation with the correct door / accessories.
- Reduced air handler weight.
- Heat kits available in both field and factory installation kits.
- More room in cabinet for larger coils, as energy efficiencies increase, while maintaining overall cabinet dimensions.
- AEU/D-S & AEU/D-L one-piece cabinet design fits up to a 27.5" tall coil.
- Rail-mounted blower assembly easily removed for service.
- Electrical access from both sides of the cabinet.
- Redesigned control panel for enhanced interface to wiring and components.
- Sloped coil shelf for optimal condensate management.

*Constant torque does not change as ESP increases/decreases

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HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

MODEL	NOMINAL COOLING (BTU)	ELECTRIC HEAT KIT MODEL	PERFORMANCE DATA				ELECTRICAL DATA				
			HEATING		TOTAL AMPS		MINIMUM CIRCUIT AMPACITY (MCA)		MAX BREAKER OR FUSE SIZE		
			SPEED TAP	(KW)		(A)		208V	240V	208V	240V
				208V	240V	208V	240V				
AE*S	18,000 - 36,000	F(C,T)LS00	N/A	0.0	0.0	3.6	3.6	4.5	4.5	15A	15A
		F(C,T)LS03	TAP 1	2.3	3.0	14.4	16.1	18.0	20.1	20A	25A
		F(C,T)LS05	TAP 2	3.6	4.8	20.9	23.6	26.1	29.5	30A	30A
		F(C,T)LS06		4.5	6.0	25.2	28.6	31.5	35.8	35A	40A
		F(C,T)LS08		6.0	8.0	32.4	36.9	40.6	46.2	45A	50A
		F(C,T)LS10	T3	7.2	9.6	38.2	43.6	47.8	54.5	50A	60A
		F(C,T)LS15		7.2 / 3.6	9.6 / 4.8	38.2 / 17.3	43.6 / 20.0	47.8 / 21.6	54.5 / 25.0	50A / 25A	60A / 25A
AE*L	36,000 - 60,000	F(C,T)LL00	N/A	0.0	0.0	7.0	7.0	9.5	9.5	15A	15A
		F(C,T)LL03	TAP 1	2.3	3.0	17.8	19.5	23.0	25.1	25A	30A
		F(C,T)LL05		3.6	4.8	24.3	27.0	31.1	34.5	35A	35A
		F(C,T)LL06		4.5	6.0	28.6	32.0	36.5	40.0	35A	45A
		F(C,T)LL08	TAP 2	6.0	8.0	35.8	40.3	45.6	51.2	50A	60A
		F(C,T)LL10		7.2	9.6	41.6	47.0	52.8	59.5	60A	60A
		F(C,T)LL15		7.2 / 3.6	9.6 / 4.8	41.6 / 17.3	47.0 / 20.0	52.8 / 21.6	59.5 / 25.0	60A / 25A	60A / 25A
		F(C,T)LL20		7.2 / 7.2	9.6 / 9.6	41.6 / 34.6	47.0 / 40.0	52.8 / 43.3	59.5 / 50.0	60A / 45A	60A / 50A

ELECTRIC HEAT KIT NOMENCLATURE

F	C	L*	00
ELECTRIC HEAT	INTERRUPTION C = CIRCUIT BREAKER T = TERMINAL BLOCK	LS = 24-36	HEAT STRIP 00 = 0 KW 03 = 3 KW 05 = 5 KW 06 = 6 KW 08 = 8 KW 10 = 10 KW 15 = 15 KW
		LL = 36-60	HEAT STRIP 00 = 0 KW 03 = 3 KW 05 = 5 KW 06 = 6 KW 08 = 8 KW 10 = 10 KW 15 = 15 KW 20 = 20 KW

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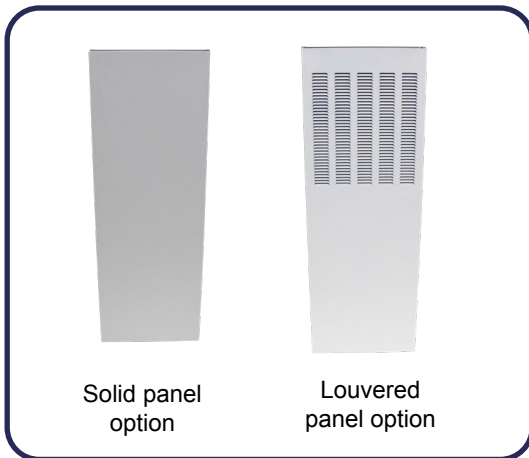
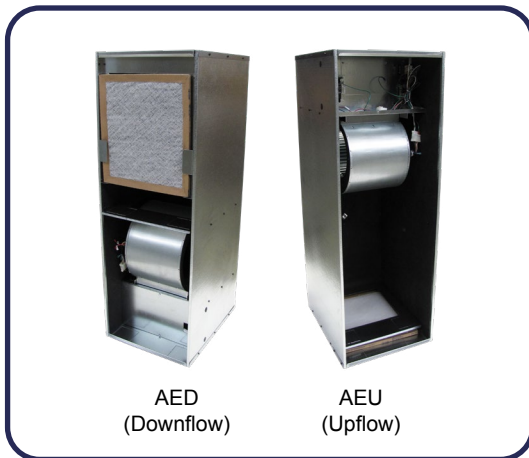
BLOWER DATA

MODEL	SPEED TAP	MOTOR			CFM V EXTERNAL STATIC									
		HP	AMPS	VOLTAGE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
AE*-S (18,000-36,000)	TAP 1	1/2	3.6	240	710	650	590	530	470	460	410	340	-	-
	TAP 2				770	720	670	630	570	510	450	420	370	340
	TAP 3				900	850	810	800	705	660	610	560	510	480
	TAP 4				1130	1100	1060	1020	980	940	900	850	810	760
	TAP 5				1310	1280	1240	1200	1165	1130	1080	1050	1010	970
AE*-L (36,000-60,000)	TAP 1	1	7.0	240	1130	1100	1060	1020	965	900	860	810	750	690
	TAP 2				1340	1300	1265	1230	1200	1155	1115	1050	1020	975
	TAP 3				1490	1450	1420	1400	1365	1330	1300	1270	1235	1170
	TAP 4				1670	1640	1610	1585	1550	1520	1500	1460	1430	1400
	TAP 5				1850	1825	1800	1770	1750	1720	1690	1670	1640	1620

*Dry coil with Filter

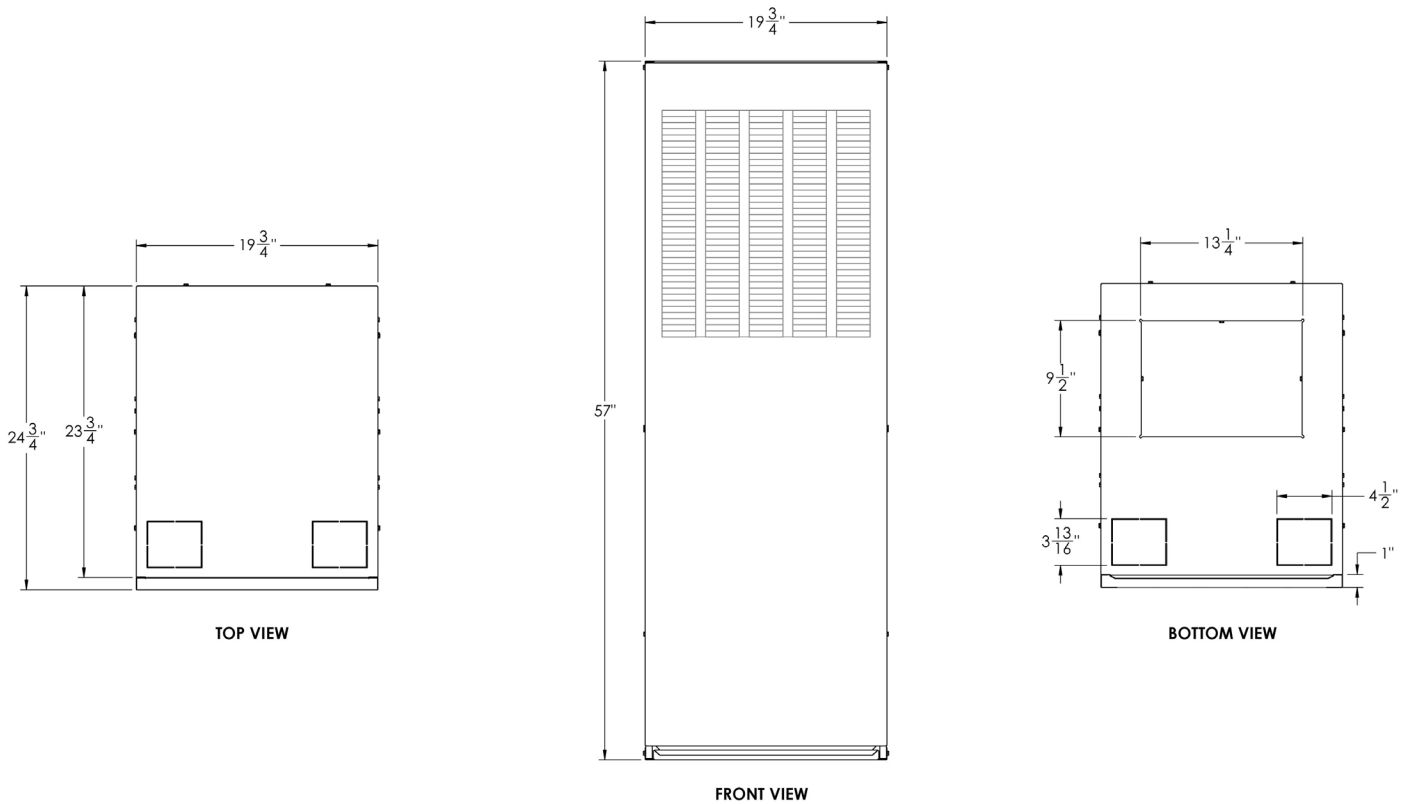
ONE PIECE WRAPPER - CONFIGURATION TABLE

MODEL (DEFAULT)	CONFIGURATION (DEFAULT)	RETURN (DEFAULT)	DOOR (DEFAULT)	CONVERTIBLE TO	KIT NEEDED FOR CONVERSION
AED-S-003	DOWNFLOW	FRONT	LOUVERED	DOWNFLOW / FRONT & TOP RETURN – LOUVER DOOR	AEXK-01
AED-L-003				DOWNFLOW / TOP RETURN – SOLID DOOR	AEXK-02
AED-L-003				UPFLOW / BOTTOM RETURN – SOLID DOOR	AEXK-02
AEU-S-003	UPFLOW	BOTTOM	SOLID	DOWNFLOW / FRONT RETURN – LOUVER DOOR	AEXK-03
AEU-L-003				DOWNFLOW / FRONT & TOP RETURN – LOUVER DOOR	AEXK-03
				DOWNFLOW TOP RETURN – SOLID DOOR	AEXK-01
AED-S-004	DOWNFLOW	FRONT & TOP	LOUVERED	DOWNFLOW / FRONT RETURN - LOUVER DOOR	AEXK-04
AED-L-004				DOWNFLOW / TOP RETURN - SOLID DOOR	AEXK-05
				UPFLOW / BOTTOM RETURN - SOLID DOOR	AEXK-05
AED-S-005	DOWNFLOW	TOP	SOLID	DOWNFLOW / FRONT RETURN - LOUVER DOOR	AEXK-03
AED-L-005				DOWNFLOW / FRONT & TOP RETURN - LOUVER DOOR	AEXK-03
				UPFLOW / BOTTOM RETURN - SOLID DOOR	N/A



AIR HANDLER CHASSIS NOMENCLATURE		
AE*	-S	-003
Configuration	NOMINAL TONNAGE (MBTUH)	OPTION CODE
U = UPFLOW / BOTTOM RETURN	S = 18 TO 36 OR L = 36 TO 60	003
D = DOWNFLOW / FRONT RETURN		003
D = DOWNFLOW / FRONT & TOP RETURN		004
D = DOWNFLOW / TOP RETURN		005

SHIPPING SPECIFICATIONS		
MODEL	SHIP WEIGHT (LB)	SKID QTY
AED-S-00*	116	4
AED-L-00*	128	
AEU-S-00*	111	
AEU-L-00*	123	



FILTER SIZE: 18"x20"x1" for all configurations.

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