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

10-YEAR LIMITED WARRANTY

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

Product Features and Specifications

APPLICATION VERSATILITY

Upflow or horizontal right as shipped (field-convertible for downflow or horizon- tal left applications). Can be AHRI certified with most brands of air conditioners or heat pumps. ETL listed for use with either R-22 or R-410A when a proper metering device is used.

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.

LOW LEAKAGE CABINET

Less than 2% air leakage from cabinet when tested in accordance with ASHRAE standard193. Unit must be installed according to Aspen installation instructions. Sturdy, fully insulated galvanized steel cabinet; stick pins ensure 1/2" insulation remains in place. Unit ships with disposable filter.

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.

ELECTRONIC CIRCUIT BOARD

Electronic circuit board provides 30 secs ON/OFF blower time delay extracting more heat/cool from the coil. Automotive-style pull fuse protection on the circuit board to provide low voltage and transformer protection.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available from 3 to 25 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.

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 orifice or TXV metering device. Field-installable bolt-on TXVs are also available. Rugged, UV safe, GLP drain pan holds minimal condensate while eliminating the possibility of corro- sion. All drain connections are 3/4" FPT. Access door allows for coil cleaning.

WARRANTY

Ten-year limited parts warranty.

OPTIONS

See Options menu.

AEM SERIES
MULTI-POSITION ELECTRIC HEAT AIR HANDLERS

HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA												
MODEL	ELECTRIC HEAT KIT MODEL	PERFORMANCE DATA						ELECTRICAL DATA				
		HEATING (KW)		HEAT KIT ONLY AMPS		HEATING CAPACITY (MBTUH)		MINIMUM CIRCUIT AMPACITY (MCA)		MAX BREAKER OR FUSE SIZE		
		208V	240V	208V	240V	208V	240V	208V	240V	208V	240V	
AEM 18/19	E(C,T)S00	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	15	15	
	E(C,T)S03	2.3	3.0	11.1	12.5	7.8	10.2	17.0	19.1	20	20	
	E(C,T)S05	3.8	5.0	18.3	20.8	13.0	17.1	25.1	28.5	30	30	
	E(C,T)S08	6.1	8.0	29.3	33.3	20.8	27.3	39.6	45.2	40	50	
	E(C,T)S10	7.6	10.0	36.5	41.7	25.9	34.1	46.8	53.5	50	60	
AEM 24/25	E(C,T)S00	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	15	15	
	E(C,T)S03	2.3	3.0	11.1	12.5	7.8	10.2	17.0	19.1	20	20	
	E(C,T)S05	3.8	5.0	18.3	20.8	13.0	17.1	25.1	28.5	30	30	
	E(C,T)S08	6.1	8.0	29.3	33.3	20.8	27.3	39.6	45.2	40	50	
	E(C,T)S10	7.6	10.0	36.5	41.7	25.9	34.1	46.8	53.5	50	60	
AEM 30/31	E(C,T)M00	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.1	15	15	
	E(C,T)M03	2.3	3.0	11.1	12.5	7.8	10.2	18.6	20.8	20	25	
	E(C,T)M05	3.8	5.0	18.3	20.8	13.0	17.1	26.8	30.1	30	35	
	E(C,T)M08	6.1	8.0	29.3	33.3	20.8	27.3	41.3	46.8	45	50	
	E(C,T)M10	7.6	10.0	36.5	41.7	25.9	34.1	48.4	55.1	50	60	
	E(C,T)M15	11.3	15.0	54.3	62.5	38.6	51.2	48.4/21.6	55.1/25	50/25	60/25	
AEM 36/37	E(C,T)M00	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.1	15	15	
	E(C,T)M03	2.3	3.0	11.1	12.5	7.8	10.2	18.6	20.8	20	25	
	E(C,T)M05	3.8	5.0	18.3	20.8	13.0	17.1	26.8	30.1	30	35	
	E(C,T)M08	6.1	8.0	29.3	33.3	20.8	27.3	41.3	46.8	45	50	
	E(C,T)M10	7.6	10.0	36.5	41.7	25.9	34.1	48.4	55.1	50	60	
	E(C,T)M15	11.3	15.0	54.3	62.5	38.6	51.2	48.4/21.6	55.1/25	50/25	60/25	
AEM 42/43/ 48/49/60/61/62	F(C,T)L00	0.0	0.0	0.0	0.0	0.0	0.0	9.5	9.5	15	15	
	E(C,T)L05	3.8	5.0	18.3	20.8	13.0	17.1	31.1	34.5	35	35	
	E(C,T)L10	7.6	10.0	36.5	41.7	25.9	34.1	52.8	59.5	60	60	
	E(C,T)L15	11.3	15.0	54.3	62.5	38.6	51.2	52.8/21.6	59.5/25	60/25	60/25	
	E(C,T)L20	15.0	20.0	72.1	83.3	51.2	68.3	52.8/43.3	59.5/50	60/45	60/50	
	E(C,T)L25	18.8	25.0	90.4	104.2	64.2	85.3	52.8/ 43.3/21.6	59.5/50/25	60/45/25	60/50/25	

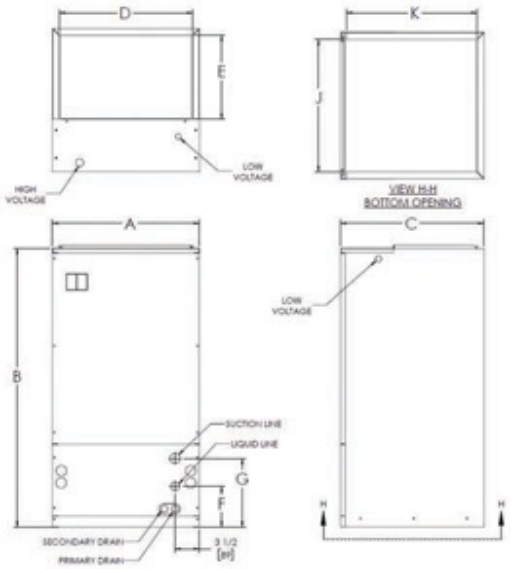
BLOWER DATA												
MODEL	SPEED TAP	MOTOR HP	MOTOR AMPS	MOTOR VOLTAGE	CFM VS EXTERNAL STATIC PRESSURE							
					0.10	0.20	0.30	0.40	0.50	0.60	0.70	
AEM 18/19/24/25	TAP 5	1/3	2.8	240	932	894	862	827	800	762		
	TAP 4				750	706	674	627	600	561		
	TAP 3				600	565	539	502	480	449		
	TAP 2				750	706	674	627	600	561		
	TAP 1				932	894	862	827	800	762		
AEM 30/31/36/37	TAP 5	1/2	4.1		1291	1280	1252	1227	1200	1171		
	TAP 4				1122	1091	1066	1034	1000	982		
	TAP 3				898	873	853	827	800	786		
	TAP 2				745	698	668	630	600	558		
	TAP 1				1291	1280	1252	1227	1200	1171		
AEM 42/43/48/49/60/61/62/43/48/49/60/61/62	TAP 5	1	7.6		2018	1987	1961	1922	1889	1856	1823	
	TAP 4				1738	1696	1667	1636	1598	1566	1527	
	TAP 3				1546	1521	1482	1439	1396	1360	1321	
	TAP 2				1367	1342	1303	1260	1217	1181	1142	
	TAP 1				2018	1987	1961	1922	1889	1856	1823	

AIR HANDLER CHASSIS NOMENCLATURE			
AEM	18	F	-001
AEM = 240V CONSTANT TORQUE ECM MULTI-POSITION AIR HANDLER	NOMINAL TONNAGE (MBTUH)	METERING DEVICE 4 = NON-BLEED A/C OR H/P R410 TXV B = 20% BLEED A/C OR H/P R22 TXV F = FLO-RATER X = NON-BLEED A/C OR H/P R-22 TXV	OPTION CODE

ELECTRIC HEAT KIT NOMENCLATURE			
E	C	S	03
ELECTRIC HEAT	INTERRUPTION "C = CIRCUIT BREAKER T = TERMINAL BLOCK P = CIRCUIT BREAKER W/SINGLE POINT"	S = 18-25 M= 30-37 L = 42-62	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 25 = 25 KW

DIMENSIONS AND SPECIFICATIONS (IN. [MM]) - FIGURE 1													
MODEL	A	B	C	D	E	F	G	J	K	FILTER SIZE	PISTON SIZE	SHIP	SKID QTY
AEM18+E*	21 [533]	40 [1016]	20-1/2 [521]	18-3/4 [476]	12 [305]	7-1/4 [184]	10-1/4 [260]	18-1/2 [470]	18-1/2 [470]	16X20	0.055	99	4
AEM19/24/25+E*	21 [533]	40 [1016]	20-1/2 [521]	18-3/4 [476]	12 [305]	8-1/4 [209]	12-1/4 [311]	18-1/2 [470]	18-1/2 [470]	16X20	0.059	100	4
AEM30+E*	21 [533]	49-1/4 [1251]	20-1/2 [521]	18-3/4 [476]	12 [305]	8-1/4 [209]	14-1/4 [362]	18-1/2 [470]	18-1/2 [470]	16X20	0.068	118	4
AEM36+E*	21 [533]	49-1/4 [1251]	20-1/2 [521]	18-3/4 [476]	12 [305]	10-1/4 [260]	16-1/4 [412]	18-1/2 [470]	18-1/2 [470]	16X20	0.068	118	4
AEM31/37+E*	21 [533]	49-1/4 [1251]	20-1/2 [521]	18-3/4 [476]	12 [305]	10-1/4 [260]	16-1/4 [412]	18-1/2 [470]	18-1/2 [470]	16X20	0.074	147	4
AEM42+E*	24-1/2 [622]	57 [1448]	20-1/2 [521]	22-1/4 [565]	14-3/4 [375]	11 [279]	16 [406]	22 [559]	18-1/2 [470]	20X20	0.080	153	4
AEM48+E*	24-1/2 [622]	57 [1448]	20-1/2 [521]	22-1/4 [565]	14-3/4 [375]	13 [330]	18 [457]	22 [559]	18-1/2 [470]	20X20	0.084	180	4
AEM43/49/60/62+E*	24-1/2 [622]	57 [1448]	20-1/2 [521]	22-1/4 [565]	14-3/4 [375]	13 [330]	18 [457]	22 [559]	18-1/2 [470]	20X20	0.084	180	4
AEM61+E*	24-1/2 [622]	57 [1448]	20-1/2 [521]	22-1/4 [565]	14-3/4 [375]	15 [381]	20 [508]	22 [559]	18-1/2 [470]	20X20	0.092	200	4

Figure 1



Ask for Aspen.
North America's Largest Independent Coil and Air Handler Manufacturer.

Aspen Manufacturing is one of the largest independent evaporator coil and air handler manufacturers for the heating, ventilation, and air conditioning (HVAC) industry. As a recognized leader in product quality and indoor comfort, Aspen has continued to deliver on its promise of world-class performance since 1975. All products are designed, engineered, and manufactured in the United States with a commitment to utilizing a US supply chain where possible. The company's product offerings include high-quality residential and light commercial evaporator coils, blowers, and air handling units for multi-family, single-family residential, and manufactured homes.

Aspen utilizes state-of-the-art fabrication, assembly equipment, and stringent quality processes to maintain the highest possible quality in its products. The company adheres to its award-winning lean manufacturing system designed to eliminate inefficient procedures, policies, and production practices. Incorporating ISO techniques, the company's quality management system (QMS) ensures product delivery that meets the highest industry standards. Beyond technical compliance, Aspen can quickly adapt to changing market demands thanks to the company's nimble ability to react to changes in requirements and leadership's commitment to enabling a customer-centered company philosophy.

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