



PRODUCT DIMENSIONS & SPECIFICATIONS

AEC SERIES VERTICAL WALL MOUNT ELECTRIC HEAT DX COIL 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

Built in mounting tabs for ceiling or furrdown mounting. Louvered ceiling access panel has separate frame that attaches to ceiling joists. Solid access panel available for use with end return installations. Can be AHRI matched with most brands of air conditioners or heat pumps.

MOTOR

X13 speeds and torques are controlled by software embedded in the motor to maintain constant torque. Motors are pre-programmed at the factory.

CABINET

Sturdy, fully insulated galvanized steel cabinet with painted front panels.

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.

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R-410a
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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
AEC18	GCS00	1-1/2	0	0	0	0	3.1	3.5	15	15
	GCS03		2.3	3	7.7	10.3	17	19	15	20
	GCS05		3.8	5	13	17	26	30	30	30
	GCS08		6.0	8	20.5	27.3	39	45	40	50
	GCS10		7.5	10	25.6	34.1	48	56	50	60
AEC24	GCS00	2	0	0	0	0	3.1	3.5	15	15
	GCS03		2.3	3	7.7	10.3	17	19	15	20
	GCS05		3.8	5	13	17	26	30	30	30
	GCS08		6.0	8	20.5	27.3	39	45	40	50
	GCS10		7.5	10	25.6	34.1	48	56	50	60
AEC30	GCS00	2-1/2	0	0	0	0	4.6	5.1	15	15
	GCS03		2.3	3	7.7	10.3	18	21	20	25
	GCS05		3.8	5	13	17	27	31	30	35
	GCS08		6.0	8	20.5	27.3	41	47	50	50
	GCS10		7.5	10	25.6	34.1	50	57	50	60
AEC36 & AEC37	GCS00	3	0	0	0	0	4.6	5.1	15	15
	GCS03		2.3	3	7.7	10.3	18	21	20	25
	GCS05		3.8	5	13	17	27	31	30	35
	GCS08		6.0	8	20.5	27.3	41	47	50	50
	GCS10		7.5	10	25.6	34.1	50	57	50	60

BLOWER DATA

MODELS	MOTOR HP	MOTOR VOLTAGE	SPEED TAP	CFM V. EXTERNAL STATIC *†					AMPS
				0.10	0.20	0.30	0.40	0.50	
AEC 18 & AEC 24	1/3	240	TAP 5	890	830	780	730	680	2.8
			TAP 4	750	680	640	600	560	
			TAP 3	600	565	539	502	480	
			TAP 2	890	830	780	730	680	
			TAP 1	750	680	640	600	560	
AEC 30 & AEC 36 & AEC 37	1/2		TAP 5	1220	1160	1110	1070	1010	4.1
			TAP 4	1110	1075	1040	1010	980	
			TAP 3	898	873	853	827	800	
			TAP 2	1110	1075	1040	1010	980	
			TAP 1	1220	1160	1110	1070	1010	

* Wet coil with filter † For 208 operation multiply by 0.90

AIR HANDLER CHASSIS NOMENCLATURE

AEC	18	F	-001
AEC = 240V X13 Motor Ceiling Mount	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 = R22 Flo-rater G = R410a Flo-rater X = non-bleed A/C or H/P R22 TXV	Option Code

ELECTRIC HEAT KIT NOMENCLATURE

G	C	S	05
Ceiling Mount Electric Heat	Interruption C = Circuit Breaker T = Terminal Block	S = 18-36	Heat Strip 03 = 3 KW 05 = 5 KW 08 = 8 KW 10 = 10 KW

DIMENSIONS AND SPECIFICATIONS

MODEL	A HEIGHT	B WIDTH	C DEPTH	D	E	FILTER SIZE	PISTON SIZE	SHIP WEIGHT (LBS)	SKID QTY
AEC18*	57 1/2 (146)	22 1/2 (57)	12 (30)	20 3/8 (52)	8 (20)	20X20	0.055	91	8
AEC24*	57 1/2 (146)	22 1/2 (57)	12 (30)	20 3/8 (52)	8 (20)	20X20	0.059	91	8
AEC30*	57 1/2 (146)	22 1/2 (57)	12 (30)	20 3/8 (52)	8 (20)	20X20	0.068	100	8
AEC36* & AEC37*	57 1/2 (146)	22 1/2 (57)	12 (30)	20 3/8 (52)	8 (20)	20X20	0.074	100	8

INSTALLATION CLEARANCES

	OPERATION	SERVICE
TOP	0"	0"
FRONT	0"	30"
SIDES	0"	0"
REAR	0"	0"

