



PRODUCT DIMENSIONS & SPECIFICATIONS

LEM SERIES HIGH EFFICIENCY MULTI-POSITION ALUMINUM COIL AIR HANDLERS

STANDARD FEATURES

APPLICATION VERSATILITY

Upflow or horizontal right as shipped (field-convertible for down-flow or horizontal left applications). Can be AHRI certified with most brands of air conditioners or heat pumps. ETL listed for use with either R22 or R410a when a proper metering device is used.

LOW LEAKAGE CABINET

Less than 2% air leakage from cabinet when tested in accordance with ASHRAE standard 193. Unit must be installed according to installation instructions. Sturdy, fully insulated galvanized steel cabinet with knockout for duct return.

AIR MOVING SYSTEM

Constant torque ECM speeds and torques are controlled by software embedded in the motor to maintain constant torque. Motors are pre-programmed with speeds and torques at the factory for optimal performance and reliability. Direct drive blowers circulate air quietly and efficiently. Rail mounted blowers provide easy removal for service and maintenance.

ELECTRONIC CONTROL BOARD

An electronic board controls the functioning of the system reducing moving parts. The board provides a blower time delay to maximize heat/cool extraction and offers an integrated fuse for additional protection.

ALL ALUMINUM COIL

High efficiency rifled aluminum tubes and enhanced aluminum fins provide maximum heat transfer. All coils factory leak tested with two-stage pressure decay and mass spectrometer process then nitrogen pressurized and factory sealed for maximum reliability. Available with either factory installed orifice or TXV metering device. Field-installable bolt-on TXVs are also available. Access door allows for easy coil cleaning.

WARRANTY

Ten-year limited parts warranty.

OPTIONS

See options menu.



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

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

Revised 06/25/22. In keeping with its policy of continuous progress and product improvement, Aspen reserves the right to make changes without notice and incurring obligation. © 2022

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
LEM24/25/26	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	25	30
	E[C,T]S08	6.1	8.0	29.3	33.3	20.8	27.3	39.6	45.2	40	45
	E[C,T]S10	7.6	10.0	36.5	41.7	25.9	34.1	46.8	53.5	50	60
LEM30/31/32	E[C,T]S00	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.1	15	15
	E[C,T]S03	2.3	3.0	11.1	12.5	7.8	10.2	18.6	20.8	20	25
	E[C,T]S05	3.8	5.0	18.3	20.8	13.0	17.1	26.8	30.1	30	30
	E[C,T]S08	6.1	8.0	29.3	33.3	20.8	27.3	41.3	46.8	45	50
	E[C,T]S10	7.6	10.0	36.5	41.7	25.9	34.1	48.4	55.1	50	60
	E[C,T]S15	11.3	15.0	54.3	62.5	38.6	51.2	48.4/21.6	55.1/25	50/25	60/25
LEM36/37/38	E[C,T]S00	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.1	15	15
	E[C,T]S03	2.3	3.0	11.1	12.5	7.8	10.2	18.6	20.8	20	25
	E[C,T]S05	3.8	5.0	18.3	20.8	13.0	17.1	26.8	30.1	30	30
	E[C,T]S08	6.1	8.0	29.3	33.3	20.8	27.3	41.3	46.8	45	50
	E[C,T]S10	7.6	10.0	36.5	41.7	25.9	34.1	48.4	55.1	50	60
	E[C,T]S15	11.3	15.0	54.3	62.5	38.6	51.2	48.4/21.6	55.1/25	50/25	60/25
LEM42/43	F[C,T]L00	0.0	0.0	0.0	0.0	0.0	0.0	9.5	9.5	20	20
	E[C,T]L05	3.8	5.0	18.3	20.8	13.0	17.1	31.1	34.5	35	40
	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
LEM48/49	F[C,T]L00	0.0	0.0	0.0	0.0	0.0	0.0	9.5	9.5	20	20
	E[C,T]L05	3.8	5.0	18.3	20.8	13.0	17.1	31.1	34.5	35	40
	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
LEM60/61/62	F[C,T]L00	0.0	0.0	0.0	0.0	0.0	0.0	9.5	9.5	20	20
	E[C,T]L05	3.8	5.0	18.3	20.8	13.0	17.1	31.1	34.5	35	40
	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

AIR HANDLER CHASSIS NOMENCLATURE

LGM	18	G	-001
LEM = 240V Constant torque ECM Multi-Position Air Handler	Nominal tonnage (MBTUH)	<u>Metering device</u> 4 = non-bleed A/C or H/P R410 TXV 6=20% bleed A/C or H/P R410 TXV B = 20% bleed A/C or H/P R22 TXV F = R-22 Flo-rater G = R410 Flo-rater X = non-bleed A/C or H/P R22 TXV	Option Code

ELECTRIC HEAT KIT NOMENCLATURE

E	C	S	03
Electric Heat	<u>Interruption</u> C = Circuit Breaker T = Terminal Block	S = 24-38 L = 42-62	<u>Heat Strip</u> 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

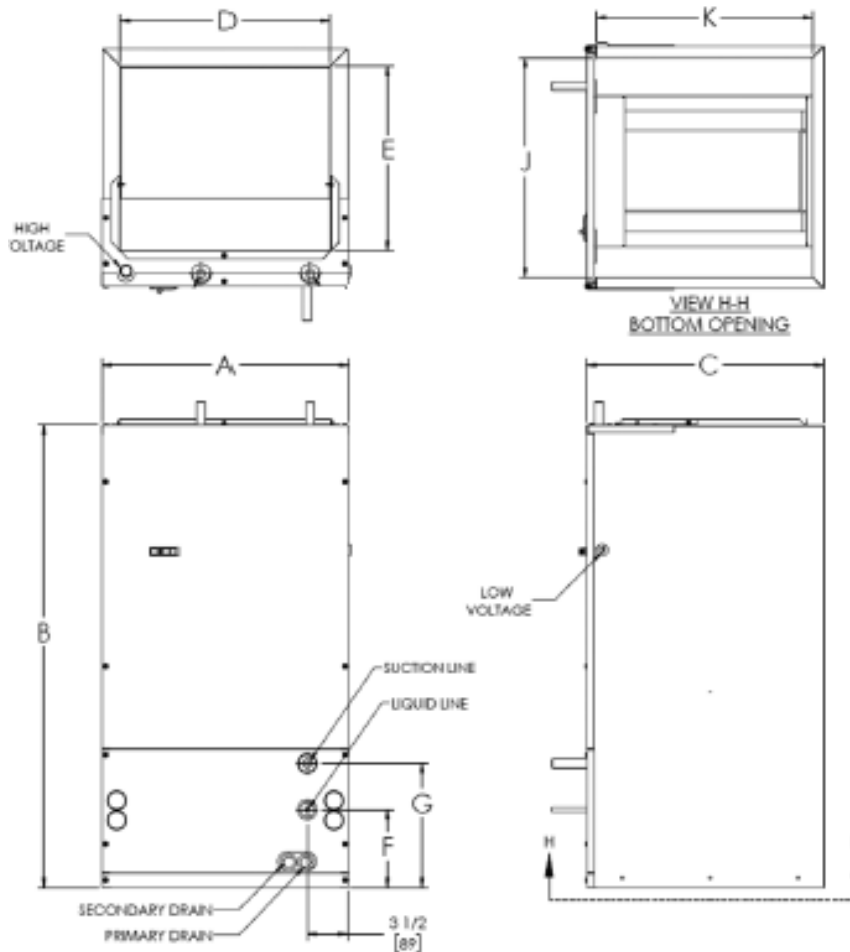
BLOWER DATA

MODEL	SPEED TAP	MOTOR HP	MOTOR AMPS	MOTOR VOLTAGE	CFM V. EXTERNAL STATIC *						
					0.10	0.20	0.30	0.40	0.50	0.60	0.70
LEM 24/25/26	TAP 5	1/3	2.8	240	932	894	862	827	800	762	732
	TAP 4				750	706	674	627	600	561	530
	TAP 3				600	565	539	502	480	449	429
	TAP 2				750	706	674	627	600	561	530
	TAP 1				932	894	862	827	800	762	740
LEM 30/31/32/36/37/38	TAP 5	1/2	4.1		1291	1280	1252	1227	1200	1171	1150
	TAP 4				1122	1091	1066	1034	1000	982	968
	TAP 3				898	873	853	827	800	786	760
	TAP 2				745	698	668	630	600	558	540
	TAP 1				1291	1280	1252	1227	1200	1171	1150
LEM 42/43/48/49/60/61/62	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	

*Wet coi

DIMENSIONS AND SPECIFICATIONS (In. [mm]) - Figure 1

MODEL	A	B	C	D	E	F	G	J	K	FILTER SIZE	PISTON SIZE	SHIP WEIGHT (LBS)	SKID QTY
LEM24/25+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
LEM30+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
LEM26/32/36/38+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
LEM42+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
LEM48+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
LEM43/49/60/62+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
LEM61+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



① SUCTION LINE:
1.5T to 3.0T = 3/4"
3.5T to 5.0T = 7/8"

Figure 1