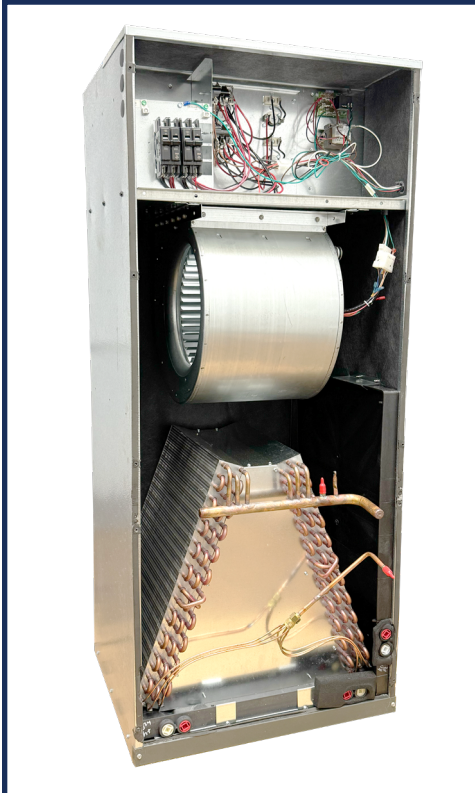


LEM SERIES - AIR HANDLER

LEGACY ELECTRIC MULTI-POSITION, ALUMINUM COIL



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

APPLICATION VERSATILITY

Upflow or horizontal right as shipped (field convertible for downflow or horizontal left applications). Can be AHRI certified with most brands of air conditioners or heat pumps.

- A2L refrigerants require a Refrigerant Detection System (RDS) for compliance. In accordance to UL 60335 Refrigerant Detection Systems are factory-installed on A2L refrigerant ready air handlers.
- ETL and AHRI listed for R22, R410A, R454B, and R32 refrigerants [A2L refrigerants certified with Refrigerant Detection System (RDS)].

240V CONSTANT TORQUE ECM MOTOR

Pre-programmed, multi-speed, 208V/240V ECM motors that ensure higher efficiency and increased energy savings by delivering constant torque during operation. 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.

BLOWER

Direct drive blowers circulate air quietly and efficiently. Blowers mounted on rails so they can be easily removed for service.

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.

LOW LEAKAGE CABINET

Sturdy, fully insulated galvanized steel cabinet with knockout for duct return. Less than 1.4% air leakage from cabinet when tested in accordance with ASHRAE standard 193. Unit must be installed according to installation instructions.

ALL ALUMINUM COIL

High-efficiency rifled aluminum tubes and enhanced aluminum fins provide maximum heat transfer. All coils factory leak tested with Multi-stage leak testing at 500 psi pressure decay, mass spectrometer tested with Helium, then Nitrogen pressurized and factory sealed optimal system integrity and long-term reliability. Coil mounted Schrader allows pre-installation pressure assurance testing.

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.

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.

WARRANTY Ten-year limited warranty with registration. **OPTIONS** Ask your local Aspen Sales Rep for customization options.

CUSTOMIZATION OPTIONS*

DUAL A2L REFRIGERANT TECHNOLOGY FOR R32 & R454B SYSTEMS

Aspen coils and air handlers are engineered with Dual A2L Refrigerant Technology, allowing field configurability for either R32 or R454B refrigerants. Each unit ships with a factory-installed A2L metering device that can be easily swapped at installation, and includes the option for a factory- or field-installed universal Refrigerant Detection System (RDS) compatible with both refrigerants.

OTHER POPULAR CUSTOM OPTIONS:

- Refrigerant Detection System (RDS) kit factory-installed.
- Factory or field-installed TXV available.

DOWNFLOW KIT OPTIONS:

METAL DRAIN PANS	PLASTIC DRAIN PANS
• 16" DWNFLWM-16 • 18" DWNFLWM-18	• DWNFLWP

LEM-SS-LEGACY-AH-008-A



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LEM SERIES - LEGACY - HEATING/COOLING PERFORMANCE & ELECTRICAL DATA											
MODEL	ELECTRIC HEAT KITS			PERFORMANCE DATA				ELECTRICAL DATA			
	ELECTRIC HEAT KIT MODEL	MIN. MOTOR SPEED TAP REQUIRED	MIN. CFM REQUIRED	HEATING		TOTAL AMPS		MIN. CIRCUIT AMPACITY		MAX. BREAKER OR FUSE SIZE	
				KW		A		MCA			
				208V	240V	208V	240V	208V	240V	208V	240V
LEM 24/25	E(C,T)S00	-	-	0.0	0.0	2.8	2.8	3.5	3.5	15A	15A
	E(C,T)S03	T4	570	2.3	3.0	13.6	15.3	17.0	19.1	20A	20A
	E(C,T)S05	T4	570	3.6	4.8	20.1	22.8	25.1	28.5	30A	30A
	E(C,T)S06	T4	570	4.5	6.0	24.4	27.8	30.5	34.8	35A	35A
	E(C,T)S08	T5	760	6.0	8.0	31.6	36.1	39.6	45.2	40A	50A
	E(C,T)S10	T5	760	7.2	9.6	37.4	42.8	46.8	53.5	50A	60A
LEM 26/30/31/32/36/37/38	E(C,T)M00	-	-	0.0	0.0	4.1	4.1	5.1	5.1	15A	15A
	E(C,T)M03	T4	950	2.3	3.0	14.9	16.6	18.6	20.8	20A	25A
	E(C,T)M05	T4	950	3.6	4.8	21.4	24.1	26.8	30.1	30A	35A
	E(C,T)M06	T4	950	4.5	6.0	25.7	29.1	32.2	36.5	35A	40A
	E(C,T)M08	T4	950	6.0	8.0	32.9	37.4	41.2	46.8	45A	50A
	E(C,T)M10	T4	950	7.2	9.6	38.7	44.1	48.4	55.1	50A	60A
	E(C,T)M15	T4	950	7.2/3.6	9.6/4.8	38.7/17.3	44.1/20.0	48.4/21.6	55.1/25.0	50A/25A	60A/25A
LEM 42/43/48/49/60/61/62	E(C,T)L00	-	-	0.0	0.0	7.6	7.6	9.5	9.5	15A	15A
	E(C,T)L03	T3	1326	2.3	3.0	18.4	20.1	23	25.1	25A	30A
	E(C,T)L05	T3	1326	3.6	4.8	24.9	27.6	31.1	34.5	35A	35A
	E(C,T)L06	T3	1326	4.5	6.0	29.2	32.6	36.5	40.8	40A	45A
	E(C,T)L08	T3	1326	6.0	8.0	36.4	40.9	45.6	51.2	50A	60A
	E(C,T)L10	T3	1326	7.2	9.6	42.2	47.6	52.8	59.5	60A	60A
	E(C,T)L15	T3	1326	7.2/3.6	9.6/4.8	42.2/17.3	47.6/20	52.8/21.6	59.5/25	50A/25A	60A/25A
	E(C,T)L20	T3	1326	7.2/7.2	9.6/9.6	42.2/34.6	47.6/40	52.8/43.3	59.5/50	60A/45A	60A/50A
	E(C,T)L25	T3	1326	7.2/7.2/3.6	9.6/9.6/4.8	42.2/34.6/17.3	47.6/40/20	52.8/43.3/21.6	59.5/50/25	60A/45A/25A	60A/50A/25A

LEM SERIES - LEGACY - BLOWER DATA										
MODEL	SPEED TAP	240V ECM MOTOR		CFM VS EXTERNAL STATIC						
		HP	AMPS	0.1	0.2	0.3	0.4	0.5	0.6	0.7
LEM 24/25	T5	1/3	2.8	932	894	862	827	800	762	-
	T4	1/3	2.8	750	706	674	627	600	561	-
	T3	1/3	2.8	600	565	439	502	480	449	-
	T2	1/3	2.8	750	706	674	627	600	561	-
	T1	1/3	2.8	932	894	862	827	800	762	-
LEM 26/30/31/32/36/37/38	T5	1/2	4.1	1291	1280	1252	1227	1200	1171	-
	T4	1/2	4.1	1122	1091	1066	1034	1000	982	-
	T3	1/2	4.1	898	873	853	827	800	786	-
	T2	1/2	4.1	745	698	668	630	600	558	-
	T1	1/2	4.1	1291	1280	1252	1227	1200	1171	-
LEM 42/43/48/49/60/61/62	T5	1	7.6	2018	1987	1961	1922	1889	1856	1823
	T4	1	7.6	1738	1696	1667	1636	1598	1566	1527
	T3	1	7.6	1546	1521	1482	1439	1396	1360	1321
	T2	1	7.6	1367	1342	1303	1260	1217	1181	1142
	T1	1	7.6	2018	1987	1961	1922	1889	1856	1823

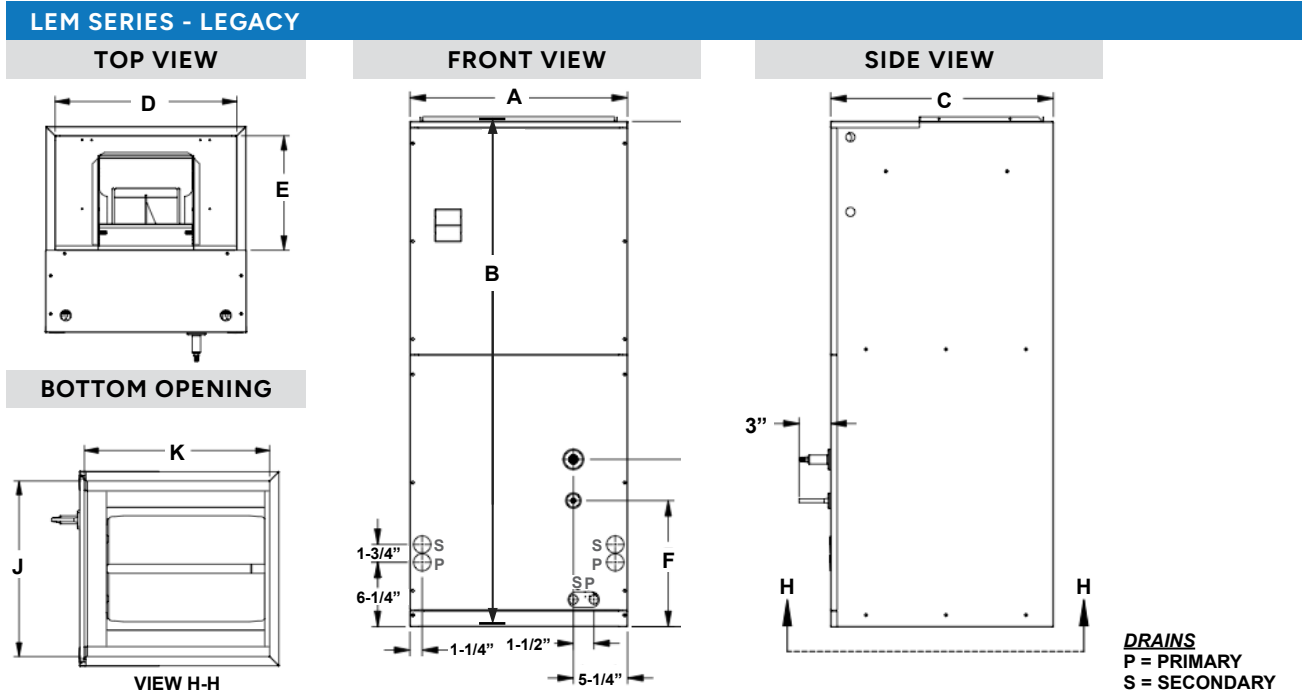
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LEM SERIES - LEGACY - AIR HANDLER CHASSIS NOMENCLATURE				
LEM	NOM. TONN.		METERING DEVICE	OPTION CODE
	MBTUH		G	-000
240V CONSTANT TORQUE ECM MULTI-POSITION AIR HANDLER	24	38	A1 REFRIGERANTS - R410A + R22	
	25	42	4 = R410A (TXV NON-BLEED AC/HP) X = R22 (TXV NON-BLEED AC/HP)	
	26	43	6 = R410A (TXV 20% BLEED AC/HP) B = R22 (TXV 20% BLEED AC/HP)	
	30	48	G = R410A FLOWRATOR F = R22 (FLOWRATOR)	
	31	49	A2L REFRIGERANTS - R454B + R32	
	32	60	J = R454B (TXV NON-BLEED AC/HP) D = R32 (TXV NON-BLEED AC/HP)	
	36	61	K = R454B (TXV 20% BLEED AC/HP) M = R32 (PISTON)	
	37	62	Z = R454B/R32 CONFIGURABLE N = R454B (PISTON)	
			(Shipped with R454B Piston)	
			CUSTOM OPTIONS	

LEM SERIES - LEGACY - ELECTRIC HEAT KIT NOMENCLATURE			
HEAT KIT SERIES	POWER CONNECTION	CABINET SIZE & NOM. TON.	HEAT STRIP
E	C	S/M/L	KW
ELECTRIC HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK	S = 25/25	00 = 0 KW 05 = 5 KW 08 = 8 KW 03 = 3 KW 06 = 6 KW 10 = 10 KW
		M = 26/30/31/32/36/37/38	00 = 0 KW 06 = 6 KW 15 = 15 KW 03 = 3 KW 08 = 8 KW 05 = 5 KW 10 = 10 KW
		L = 42/43/48/49/60/61/62	00 = 0 KW 06 = 6 KW 15 = 15 KW 03 = 3 KW 08 = 8 KW 20 = 20 KW 05 = 5 KW 10 = 10 KW 25 = 25 KW



LEM SERIES - LEGACY - DIMENSIONS (in.)[mm.] - FIGURE 1												
MODEL	A	B	C	D	E	F	G	J	K	FILTER	SHIPPING INFO	
										1" DEPTH	WEIGHT	QTY
LEM24/25	14-1/2 [368]	40 [1016]	21-1/2 [546]	12-1/2 [318]	12 [304]	5 [127]	9 [229]	12-1/2 [218]	20 [508]	12X20	92	6
LEM 26/36/38	14-1/2 [368]	40 [1016]	21-1/2 [546]	12-1/2 [318]	12 [304]	9 [229]	5 [127]	12-1/2 [218]	20 [508]	12X20	92	6
LEM30	14-1/2 [368]	40 [1016]	21-1/2 [546]	12-1/2 [318]	12 [304]	4 [102]	7 [178]	12-1/2 [218]	20 [508]	12X20	92	6
LEM31/37	14-1/2 [368]	40 [1016]	21-1/2 [546]	12-1/2 [318]	12 [304]	5 [127]	9 [229]	12-1/2 [218]	20 [508]	12X20	92	6
LEM42	14-1/2 [368]	40 [1016]	21-1/2 [546]	12-1/2 [318]	12 [304]	4 [102]	7 [178]	12-1/2 [218]	20 [508]	12X20	92	6
LEM48	14-1/2 [368]	40 [1016]	21-1/2 [546]	12-1/2 [318]	12 [304]	5 [127]	9 [229]	12-1/2 [218]	20 [508]	12X20	92	6
LEM 43/49/60/62	17-1/2 [445]	46 [1168]	21-1/2 [546]	15-1/2 [394]	12 [304]	10 [254]	13 [330]	15-1/2 [394]	20 [508]	14x20	115	4

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