

LGM 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)].

120V CONSTANT TORQUE ECM MOTOR

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.

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 2% 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.

WARRANTY Ten-year limited parts warranty with registration.

OPTIONS Ask your local Aspen Sales Rep for customization options.

CUSTOMIZATION OPTIONS***UNIVERSAL A2L REFRIGERANT TECHNOLOGY FOR R32 & R454B SYSTEMS**

Aspen coils and air handlers are engineered with Universal 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**

- 18" DWNFLWM-18
- 22" DWNFLWM-22

PLASTIC DRAIN PANS

- DWNFLWP

LGM-LEGACY-SS-AH-012-A



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Customer Service: info@aspenmfg.com Warranty Team: warranty@aspenmfg.com Phone: 281.441.6500 Toll Free: 800.423.9007 Fax: 281.441.6510

LGM SERIES LEGACY - HEATING/COOLING PERFORMANCE & ELECTRICAL DATA				
MODEL	120V ECM MOTOR PERFORMANCE DATA		ELECTRICAL DATA (120V)	
	NOM. COOLING	ELECTRIC HEAT KIT	MIN. CIRCUIT AMPACITY	MAX. BREAKER OR FUSE SIZE
	BTU		MCA	
LGM23	24,000	-	6.6	15
LGM35	36,000	-	9.1	20
LGM47/59	48,000	-	14.3	20

LGM SERIES LEGACY - BLOWER DATA													
MODEL	120V ECM MOTOR			CFM VS EXTERNAL STATIC									
	SPEED TAP	HP	AMP	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
LGM 23	T5	1/5	4.8	880	850	815	775	730	685	635	550	510	-
	T4	1/5	4.8	820	790	760	740	705	650	610	525	485	-
	T3	1/5	4.8	760	730	700	675	645	615	575	490	435	-
	T2	1/5	4.8	705	680	650	615	590	560	535	465	385	-
	T1	1/5	4.8	650	620	600	575	540	515	475	425	360	-
LGM 35	T5	1/2	5.4	1220	1195	1165	1140	1115	1085	-	-	-	-
	T4	1/2	5.4	1140	1115	1085	1055	1030	995	965	935	900	-
	T3	1/2	5.4	935	900	875	840	815	775	745	705	675	-
	T2	1/2	5.4	815	785	755	725	685	650	615	590	565	-
	T1	1/2	5.4	695	650	615	580	540	515	475	435	400	-
LGM 47/59	T5	1	10.9	1915	1880	1850	1815	1775	1740	1705	-	-	-
	T4	1	10.9	1815	1775	1740	1700	1665	1625	1585	1545	1505	-
	T3	1	10.9	1525	1485	1440	1395	1350	1300	1250	1200	1145	-
	T2	1	10.9	1290	1255	1205	1155	1100	1140	995	935	865	-
	T1	1	10.9	925	875	815	735	650	565	525	475	420	-

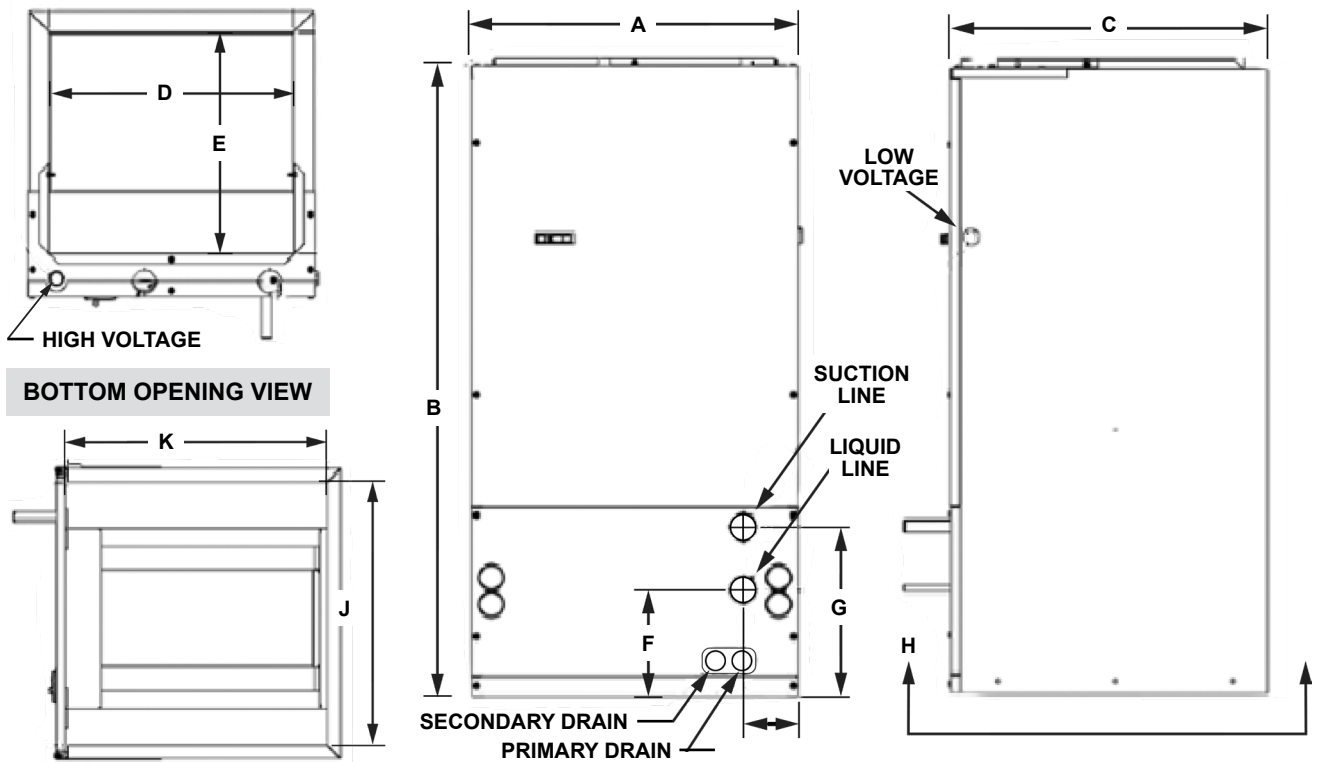
LGM SERIES LEGACY - AIR HANDLER CHASSIS NOMENCLATURE			
LGM	NOM. TON.	METERING DEVICE	OPTION CODE
	MBTUH	G	-000
120V CONSTANT TORQUE ECM MULTI-POSITION AIR HANDLER	23 35 47 59	A1 REFRIGERANTS - R410A + R22	CUSTOM OPTIONS
		4 = R410A (TXV NON-BLEED AC/HP) X = R22 (TXV NON-BLEED AC/HP) G = R410A (FLOWRATOR) B = R22 (TXV 20% BLEED AC/HP) F = R22 (FLOWRATOR)	
		A2L REFRIGERANTS - R454B + R32	
		J = R454B (TXV NON-BLEED AC/HP) D = R32 (TXV NON-BLEED AC/HP) K = R454B (TXV 20% BLEED AC/HP) M = R32 (PISTON) Z = R454B/R32 CONFIGURABLE N = R454B (PISTON) (Shipped with R454B PISTON)	

*Coil Code = SLAB SIZE, DEPTH, ROWS

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SIDE VIEW



LGM SERIES LEGACY - DIMENSIONS (In.)[mm.]

MODEL	A	B	C	D	E	F	G	J	K	FILTER	SHIPPING INFO	
										1" DEPTH	WEIGHT	QTY
LGM23	21 [533]	40 [1016]	20-1/2 [521]	18 [457]	16 [406]	6-3/4 [171]	10-3/4 [273]	18-1/2 [470]	18-1/2 [470]	16X20	100	4
LGM35	21 [533]	42 [1067]	23 [584]	18 [457]	19 [483]	8-3/4 [222]	12-3/4 [324]	18 [457]	20 [533]	20X20	170	4
LGM47/59	21 [533]	48 [1219]	28 [711]	18 [457]	24 [610]	11-3/4 [298]	15-3/4 [400]	18 [457]	25 [660]	20X25	200	4

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