LGM SERIES

- ALUMINUM
- ELECTRIC



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 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 valve 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.

DUAL REFRIGERANT

UNIVERSAL A2L REFRIGERANT TECHNOLOGY FOR R32 & R454B SYSTEMS

IDEAL FOR USE WITH ASPEN AIR HANDLERS, AS WELL AS CASED & UNCASED COILS!

Versa Dual Refrigerant Coils are easily configurable for use with either R32 or R454B refrigerant with proper metering device. Utilizing universal Refrigerant Detection Systems (RDS) to ensure regulatory compliance.

OTHER POPULAR CUSTOM OPTION:	DOWNFLOW KIT OPTIONS:	
	METAL DRAIN PANS	PLASTIC DRAIN PANS
Factory or field-installed TXV available.	• 16" DWNFLWM-16 • 18" DWNFLWM-18	DWNFLWP

R51341 11/25

ASSEMBLED IN THE USA — TRUSTED QUALITY SINCE 1975 | MEMBER AHRI AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE | HARDI PROUD MEMBER | ETL LISTED | R-410A • R-22 • R-454B • R-32 REFRIGERANT READY WHEN PROPER METERING DEVICE IS USED | 10 YEAR LIMITED WARRANTY*

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LGM SERIES - STANDARD HIGH-EFFICIENCY - HEATING/COOLING PERFORMANCE & ELECTRICAL DATA

MODEL	PERFORMANCE DATA			ELECTRICAL DATA (120V)	
	NOM. COOLING	MOTOR	FLA	MIN. CIRCUIT AMPACITY	MAX. BREAKER OR FUSE SIZE
	BTU	HP	A	MCA	
LGM24A-E	24,000	1/3	4.8	6.0	15
LGM36L	36,000	1/3	4.8	6.0	15
LGM24F-M/36A-E/36K,M	24,000 - 36,000	1/2	6.8	8.5	15
LGM48K/48L	48,000	1/2	6.8	8.5	15
LGM36F-J/48A-E/60A-E/60K-M	36,000 - 60,000	1	11.5	14.4	30
LGM48F-J/60F-J	48,000 - 60,000	1	11.5	14.4	30

LGM SERIES - STANDARD - HIGH-EFFICIENCY 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 24A-E	T5	1/3	4.8	1030	1000	975	945	910	880	865	830	795	750
	T4	1/3	4.8	975	945	910	880	865	830	795	775	715	700
	T3	1/3	4.8	845	810	780	755	725	705	665	635	600	550
	T2	1/3	4.8	775	745	725	700	665	645	610	575	525	465
	T1	1/3	4.8	645	620	590	565	550	510	480	420	370	330
LGM 36L	T5	1/3	4.8	1250	1225	1200	1175	1150	1125	1050	960	-	-
	T4	1/3	4.8	1160	1140	1115	1090	1075	1030	1000	975	900	-
	T3	1/3	4.8	925	900	865	845	810	775	745	710	695	650
	T2	1/3	4.8	810	770	740	710	680	655	620	590	550	510
	T1	1/3	4.8	650	640	610	575	540	510	475	420	380	345
LGM 24F-M 36A-E 36K,M 48K	T5	1/2	6.8	1320	1300	1285	1265	1225	1200	1165	1130	1100	1070
	T4	1/2	6.8	1150	1130	1115	1090	1060	1020	975	945	880	810
	T3	1/2	6.8	930	910	875	845	800	765	675	625	590	540
	T2	1/2	6.8	825	790	755	720	675	600	550	510	485	440
	T1	1/2	6.8	745	725	675	645	565	525	480	445	400	350
LGM 48L	T5	1/2	6.8	1375	1340	1315	1300	1255	1200	1150	1120	1090	1050
	T4	1/2	6.8	1175	1150	1125	1075	1075	1045	990	960	900	845
	T3	1/2	6.8	915	900	880	850	800	765	705	665	620	590
	T2	1/2	6.8	850	830	780	730	675	635	585	550	510	450
	T1	1/2	6.8	725	705	675	620	565	530	485	460	415	380
LGM 36F-J 48A-E 60A-E	T5	1	11.5	1690	1650	1630	1610	1600	1590	1570	1550	1515	1500
	T4	1	11.5	1580	1460	1435	1420	1400	1370	1350	1325	1275	1250
	T3	1	11.5	1300	1275	1260	1240	1200	1165	1130	1100	1075	1050
	T2	1	11.5	1175	1160	1130	1090	1050	1000	960	930	900	860
	T1	1	11.5	1020	975	945	900	850	810	775	715	695	650
LGM 60C	T5	1	11.5	1750	1730	1695	1655	1630	1570	1520	1475	1450	1415
	T4	1	11.5	1560	1520	1475	1435	1435	1375	1350	1325	1275	1250
	T3	1	11.5	1350	1300	1275	1225	1200	1175	1125	1100	1060	1030
	T2	1	11.5	1175	1140	1100	1075	1050	1000	975	928	895	790
	T1	1	11.5	990	940	910	880	850	790	775	675	620	600
LGM6 60K-M	T5	1	11.5	2080	2050	2025	2000	1965	1935	1910	1880	1845	1825
	T4	1	11.5	1990	1965	1940	1910	1885	1855	1825	1790	1760	1725
	T3	1	11.5	1855	1830	1795	1775	1745	1710	1680	1645	1615	1580
	T2	1	11.5	1575	1540	1510	1475	1435	1400	1360	1320	1280	1240
	T1	1	11.5	1380	1345	1305	1265	1225	1175	1135	1085	1040	990
LGM 48F-J 60F-J	T5	1	11.5	2130	2090	2050	2005	1965	1920	1875	1855	1830	1780
	T4	1	11.5	1990	1950	1910	1860	1815	1775	1745	1710	1675	1635
	T3	1	11.5	1815	1760	1725	1675	1615	1600	1560	1520	1475	1415
	T2	1	11.5	1635	1595	1560	1500	1435	1415	1370	1300	1200	1125
	T1	1	11.5	1480	1435	1370	1325	1275	1230	1150	1040	980	925

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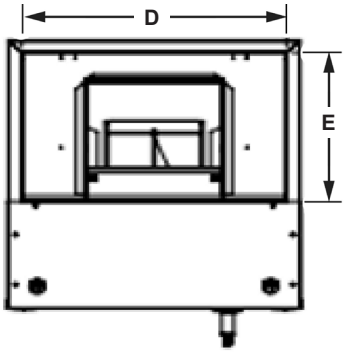
LGM SERIES - STANDARD HIGH-EFFICIENCY - AIR HANDLER CHASSIS NOMENCLATURE

LGM	NOM. TON.	COIL CODE	METERING DEVICE	OPTION CODE
	MBTUH	D	G	-000
120V CONSTANT TORQUE ECM MULTI-POSITION AIR HANDLER	**24** = 24,000 **36** = 36,000 **48** = 48,000 **60** = 60,000	**A,B,C,D,E** = COIL SIZE (SLAB SIZE, DEPTH, ROWS)	**A1 REFRIGERANTS - R410A + R22** **4** = R410A (TXV NON-BLEED AC/HP) **X** = R22 (TXV NON-BLEED AC/HP) **6** = R410A (TXV 20% BLEED AC/HP) **B** = R22 (TXV 20% BLEED AC/HP) **G** = R410A (FLOWRATOR) **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 (Shipped with R454B PISTON) **N** = R454B (PISTON)	CUSTOM OPTIONS

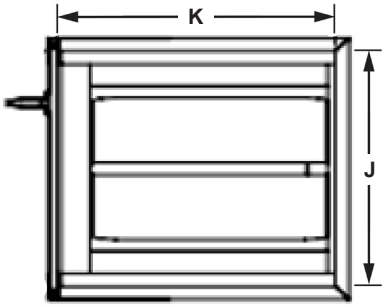
*Coil Code = SLAB SIZE, DEPTH, ROWS

LGM SERIES - STANDARD HIGH-EFFICIENCY

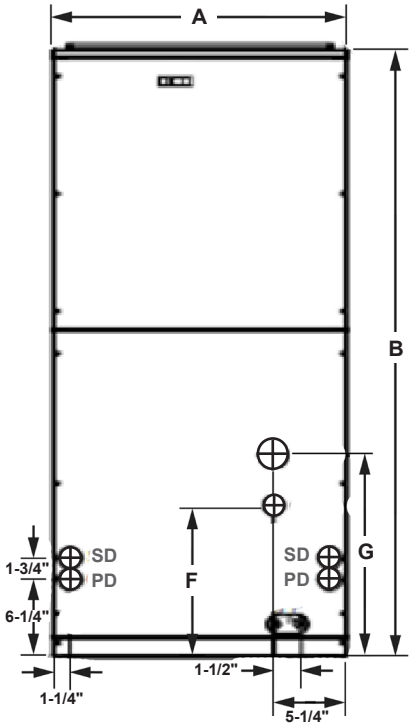
TOP VIEW



BOTTOM OPENING VIEW

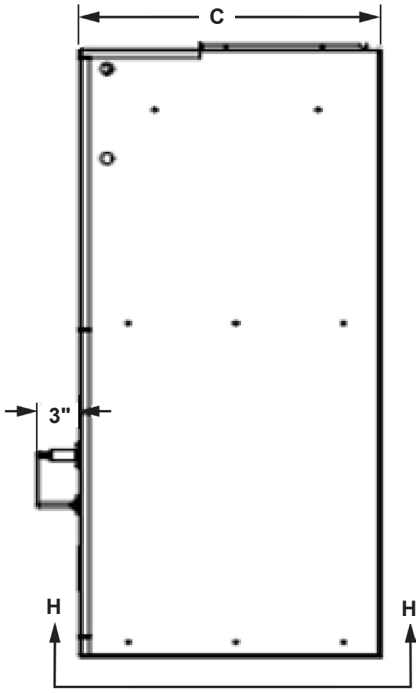


FRONT VIEW



SD = SECONDARY DRAIN
PD = PRIMARY DRAIN

SIDE VIEW



DRAIN PORT THREAD = FEMALE 3/4" NPT

NOTE: There seems to be an addiitional "LGM: Series Air Handler, described as "Legacy". Not sure if this is a duplicate entry so need to consult with Aspen PM

LGM SERIES - STANDARD HIGH-EFFICIENCY - DIMENSIONS (In.)[mm.]

MODEL	A	B	C	D	E	F	G	J	K	FILTER	SHIPPING INFO	
										1" DEPTH	WEIGHT	QTY
LGM 24A	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
LGM 24B	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
LGM 24C	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
LGM 24D	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
LGM 24E	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
LGM 36L	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

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LGM SERIES STANDARD DIMENSIONS (In.)[mm.] - CONTINUED

MODEL	A	B	C	D	E	F	G	J	K	FILTER	SHIPPING INFO	
										1" DEPTH	WEIGHT	QTY
LGM 24F/36A	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
LGM 24G/36B/48K	17-1/2 [445]	46 [1168]	21-1/2 [546]	15-1/2 [394]	12 [304]	4 [102]	7 [178]	15-1/2 [394]	20 [508]	14x20	115	4
LGM 24H/36C	17-1/2 [445]	46 [1168]	21-1/2 [546]	15-1/2 [394]	12 [304]	5 [127]	9 [229]	15-1/2 [394]	20 [508]	14x20	115	4
LGM 24I/36D/36K	17-1/2 [445]	46 [1168]	21-1/2 [546]	15-1/2 [394]	12 [304]	8 [203]	11 [279]	15-1/2 [394]	20 [508]	14x20	115	4
LGM 24J/36E/36M	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
LGM 24K/24M	17-1/2 [445]	46 [1168]	21-1/2 [546]	15-1/2 [394]	12 [304]	6-1/2 [165]	10 [254]	15-1/2 [394]	20 [508]	14x20	115	4
LGM 48L	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
LGM 36F/48A	21 [533]	49 [1245]	21-1/2 [546]	19 [483]	12 [304]	9 [229]	12 [305]	19 [483]	20 [508]	16X20	151	4
LGM 36G/48B	21 [533]	49 [1245]	21-1/2 [546]	19 [483]	12 [304]	7 [178]	10 [254]	19 [483]	20 [508]	16X20	151	4
LGM 36H/48C	21 [533]	49 [1245]	21-1/2 [546]	19 [483]	12 [304]	9 [229]	12 [305]	19 [483]	20 [508]	16X20	151	4
LGM 36I/48D	21 [533]	49 [1245]	21-1/2 [546]	19 [483]	12 [304]	10 [254]	14 [356]	19 [483]	20 [508]	16X20	151	4
LGM 36J/48E	21 [533]	49 [1245]	21-1/2 [546]	19 [483]	12 [304]	12 [305]	16 [406]	19 [483]	20 [508]	16X20	151	4
LGM 60A	21 [533]	57 [1448]	21-1/2 [546]	19 [483]	12 [304]	18 [457]	22 [559]	19 [483]	20 [508]	16X20	173	4
LGM 60B	21 [533]	57 [1448]	21-1/2 [546]	19 [483]	12 [304]	12 [305]	16 [406]	19 [483]	20 [508]	16X20	173	4
LGM 60C	21 [533]	57 [1448]	21-1/2 [546]	19 [483]	12 [304]	14 [356]	18 [457]	19 [483]	20 [508]	16X20	173	4
LGM 60D	21 [533]	57 [1448]	21-1/2 [546]	19 [483]	12 [304]	16 [406]	20 [508]	19 [483]	20 [508]	16X20	173	4
LGM 60E	21 [533]	57 [1448]	21-1/2 [546]	19 [483]	12 [304]	18 [457]	22 [559]	19 [483]	20 [508]	16X20	173	4
LGM 60K	21 [533]	57 [1448]	21-1/2 [546]	19 [483]	12 [304]	12 [305]	16 [406]	19 [483]	20 [508]	16X20	173	4
LGM 60L	21 [533]	57 [1448]	21-1/2 [546]	19 [483]	12 [304]	14 [356]	18 [457]	19 [483]	20 [508]	16X20	173	4
LGM 60M	21 [533]	57 [1448]	21-1/2 [546]	19 [483]	12 [304]	16 [406]	20 [508]	19 [483]	20 [508]	16X20	173	4
LGM 48F/60F	24-1/2 [622]	57 [1448]	21-1/2 [546]	22-1/2 [572]	10-1/2 [267]	18 [457]	22 [559]	22-1/2 [572]	20 [508]	20X20	180	4
LGM 48G/60G	24-1/2 [622]	57 [1448]	21-1/2 [546]	22-1/2 [572]	10-1/2 [267]	12 [305]	16 [406]	22-1/2 [572]	20 [508]	20X20	180	4
LGM 48H/60H	24-1/2 [622]	57 [1448]	21-1/2 [546]	22-1/2 [572]	10-1/2 [267]	14 [356]	18 [457]	22-1/2 [572]	20 [508]	20X20	180	4
LGM 48I/60I	24-1/2 [622]	57 [1448]	21-1/2 [546]	22-1/2 [572]	10-1/2 [267]	16 [406]	20 [508]	22-1/2 [572]	20 [508]	20X20	180	4
LGM 48J/60J	24-1/2 [622]	57 [1448]	21-1/2 [546]	22-1/2 [572]	10-1/2 [267]	18 [457]	22 [559]	22-1/2 [572]	20 [508]	20X20	180	4

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