

# LGM SERIES

## HIGH-EFFICIENCY MULTI-POSITION, ALUMINUM COIL AIR HANDLER

### FEATURES, BENEFITS, DIMENSIONS, & SPECIFICATIONS



Unit shown with service panels removed. Representative drawing only. Some models may vary in appearance. Due to continuous product improvement, specifications are subject to change without notice.

#### 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 R-22, R-410A, R-454B, and R-32 when a proper metering device is used.
- In accordance to UL 60335 Refrigerant Detection Systems are factory-installed on A2L refrigerant ready air handlers.

#### 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** Hassle-free five-year limited parts warranty. **OPTIONS** See options menu.



#### WANT MORE INFORMATION ON ASPEN'S LGM SERIES AIR HANDLERS?

SCAN QR CODE TO VISIT THIS PRODUCT ON OUR WEBSITE



*For complete warranty details, please visit our Warranty Information tab when you visit Aspen's website.  
To view this coil's product information online for the most up-to-date information scan the QR Code.*

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COOLING PERFORMANCE AND ELECTRICAL DATA						
MODEL	PERFORMANCE DATA			ELECTRICAL DATA (120V)		
	NOM. COOLING CAPACITY	MOTOR (HP)	FLA (A)	MIN. CIRCUIT AMPACITY (MCA)	MAX. BREAKER OR FUSE SIZE	
LGM24A-E	18000 - 24000	1/3	4.8	6.0	15	
LGM36L	24000 - 36000					
LGM24F-M LGM36A-E LGM36K,M	24000 - 36000	1/2	6.8	8.5		
LGM48K LGM48L	36000 - 48000					
LGM36F-J LGM48A-E LGM60A-E LGM60K-M	36000 - 60000	1	11.5	14.4		30
LGM48F-J LGM60F-J	48000 - 60000					

AIR HANDLER CHASSIS NOMENCLATURE				
LGM	24	D	G	000
120V CONSTANT TORQUE ECM MULTI-POSITION AIR HANDLER	24,36,48,60 <b>NOMINAL TONNAGE</b> (MBTUH)	A,B,C,D,E = <b>COIL SIZE</b> (SLAB HEIGHT, DEPTH, ROWS)	<b>A1 METERING DEVICE</b> <b>4</b> = R410A (TXV NON-BLEED A/C or H/P) <b>F</b> = R22 (PISTON) <b>6</b> = R410A (TXV 20% BLEED A/C or H/P) <b>G</b> = R410A (PISTON) <b>B</b> = R22 (TXV 20% BLEED A/C or H/P) <b>X</b> = R22 (TXV NON-BLEED A/C or H/P)	OPTION CODE
			<b>A2L METERING DEVICE</b> <b>J</b> = R454B (TXV NON-BLEED A/C or H/P) <b>M</b> = R32 (PISTON) <b>K</b> = R454B (TXV 20% BLEED A/C or H/P) <b>N</b> = R454B (PISTON) <b>D</b> = R32 (TXV NON-BLEED A/C or H/P)	

BLOWER DATA														
MODEL	SPEED TAP	MOTOR			CFM VS EXTERNAL STATIC									
		HP	AMPS	VOLT.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
LGM24A-E	TAP 5	1/3	4.8	120V	1030	1000	975	945	910	880	865	830	795	750
	TAP 4				975	945	910	880	865	830	795	775	715	700
	TAP 3				845	810	780	755	725	705	665	635	600	550
	TAP 2				775	745	725	700	665	645	610	575	525	465
	TAP 1				645	620	590	565	550	510	480	420	370	330
LGM36L	TAP 5				1250	1225	1200	1175	1150	1125	1050	960	-	-
	TAP 4				1160	1140	1115	1090	1075	1030	1000	975	900	-
	TAP 3				925	900	865	845	810	775	745	710	695	650
	TAP 2				810	770	740	710	680	655	620	590	550	510
	TAP 1				650	640	610	575	540	510	475	420	380	345



BLOWER DATA - Continued														
MODEL	SPEED TAP	MOTOR			CFM VS EXTERNAL STATIC									
		HP	AMPS	VOLT.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
LGM24F-M LGM36A-E LGM36K,M LGM48K	TAP 5	1/2	6.8	120V	1320	1300	1285	1265	1225	1200	1165	1130	1100	1070
	TAP 4				1150	1130	1115	1090	1060	1020	975	945	880	810
	TAP 3				930	910	875	845	800	765	675	625	590	540
	TAP 2				825	790	755	720	675	600	550	510	485	440
	TAP 1				745	725	675	645	565	525	480	445	400	350
LGM48L	TAP 5				1375	1340	1315	1300	1255	1200	1150	1120	1090	1050
	TAP 4				1175	1150	1125	1075	1075	1045	990	960	900	845
	TAP 3				915	900	880	850	800	765	705	665	620	590
	TAP 2				850	830	780	730	675	635	585	550	510	450
	TAP 1				725	705	675	620	565	530	485	460	415	380
LGM36F-J LGM48A-E LGM60A-E	TAP 5	1	11.5	120V	1690	1650	1630	1610	1600	1590	1570	1550	1515	1500
	TAP 4				1580	1460	1435	1420	1400	1370	1350	1325	1275	1250
	TAP 3				1300	1275	1260	1240	1200	1165	1130	1100	1075	1050
	TAP 2				1175	1160	1130	1090	1050	1000	960	930	900	860
	TAP 1				1020	975	945	900	850	810	775	715	695	650
LGM60C	TAP 5				1750	1730	1695	1655	1630	1570	1520	1475	1450	1415
	TAP 4				1560	1520	1475	1435	1435	1375	1350	1325	1275	1250
	TAP 3				1350	1300	1275	1225	1200	1175	1125	1100	1060	1030
	TAP 2				1175	1140	1100	1075	1050	1000	975	928	895	790
	TAP 1				990	940	910	880	850	790	775	675	620	600
LGM60K-M	TAP 5	2080	2050	2025	2000	1965	1935	1910	1880	1845	1825			
	TAP 4	1990	1965	1940	1910	1885	1855	1825	1790	1760	1725			
	TAP 3	1855	1830	1795	1775	1745	1710	1680	1645	1615	1580			
	TAP 2	1575	1540	1510	1475	1435	1400	1360	1320	1280	1240			
	TAP 1	1380	1345	1305	1265	1225	1175	1135	1085	1040	990			
LGM48F-J LGM60F-J	TAP 5	2130	2090	2050	2005	1965	1920	1875	1855	1830	1780			
	TAP 4	1990	1950	1910	1860	1815	1775	1745	1710	1675	1635			
	TAP 3	1815	1760	1725	1675	1615	1600	1560	1520	1475	1415			
	TAP 2	1635	1595	1560	1500	1435	1415	1370	1300	1200	1125			
	TAP 1	1480	1435	1370	1325	1275	1230	1150	1040	980	925			

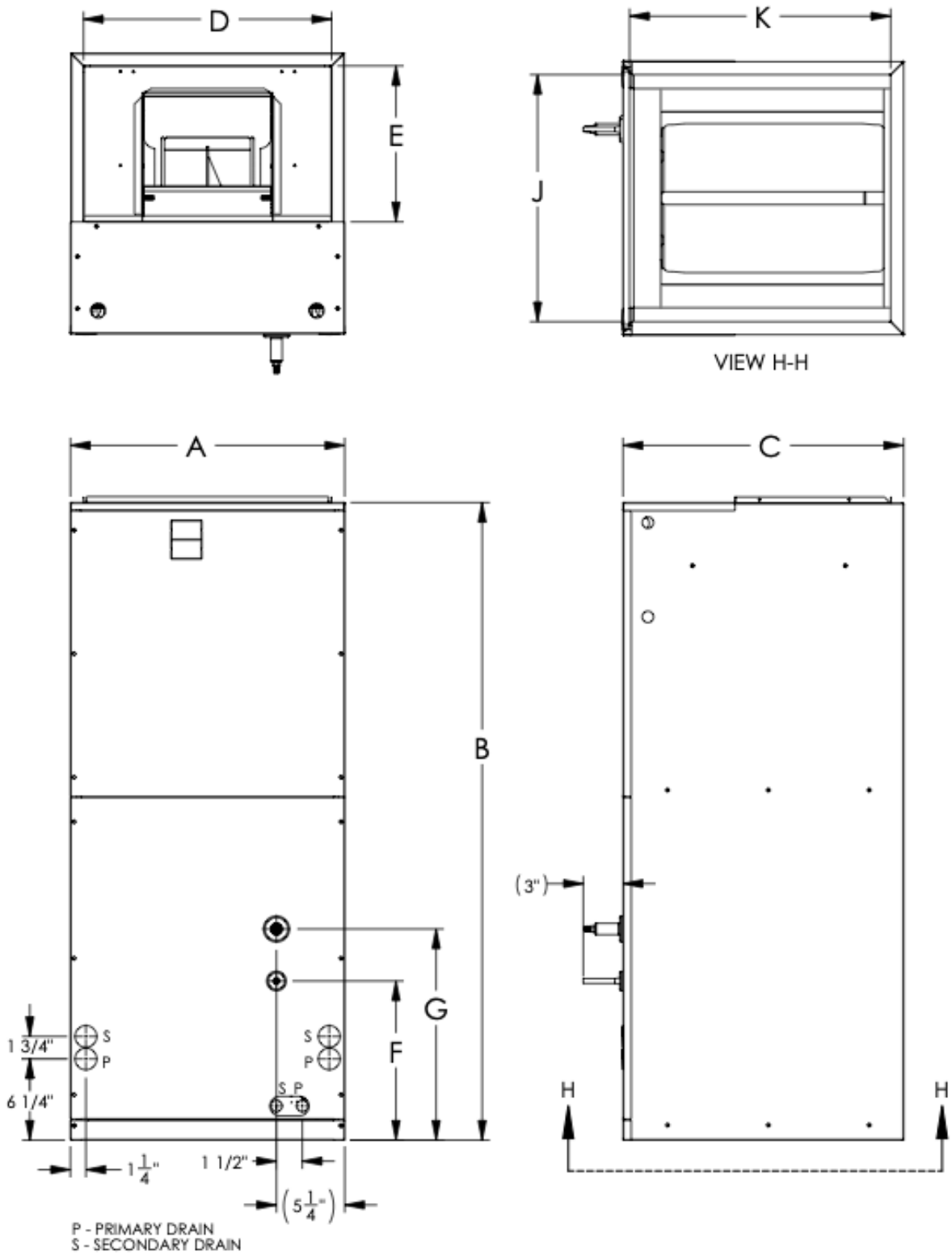
LGM DIMENSIONS (In.) - FIGURE 1												
Model	A	B	C	D	E	F	G	J	K	FILTER	WEIGHT	SKID QTY
LGM24A	14-1/2 [368]	40 [1016]	21-1/2 [546]	12-1/2 [318]	12 [304]	5 [127]	9 [229]	12-1/2 [218]	20 [508]	12X20	92	6
LGM24B	14-1/2 [368]	40 [1016]		12-1/2 [318]	12 [304]	9 [229]	5 [127]	12-1/2 [218]		12X20	92	6
LGM24C	14-1/2 [368]	40 [1016]		12-1/2 [318]	12 [304]	4 [102]	7 [178]	12-1/2 [218]		12X20	92	6
LGM24D	14-1/2 [368]	40 [1016]		12-1/2 [318]	12 [304]	5 [127]	9 [229]	12-1/2 [218]		12X20	92	6

**LGM DIMENSIONS (In.) - FIGURE 1 - CONTINUED**

Model	A	B	C	D	E	F	G	J	K	FILTER	WEIGHT	SKID QTY
LGM24E	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
LGM36L	14-1/2 [368]	40 [1016]		12-1/2 [318]	12 [304]	5 [127]	9 [229]	12-1/2 [218]		12X20	92	6
LGM 24F/36A	17-1/2 [445]	46 [1168]		15-1/2 [394]	12 [304]	10 [254]	13 [330]	15-1/2 [394]		14X20	115	4
LGM 24G/36B/48K	17-1/2 [445]	46 [1168]		15-1/2 [394]	12 [304]	4 [102]	7 [178]	15-1/2 [394]		14X20	115	4
LGM 24H/36C	17-1/2 [445]	46 [1168]		15-1/2 [394]	12 [304]	5 [127]	9 [229]	15-1/2 [394]		14X20	115	4
LGM 24I/36D	17-1/2 [445]	46 [1168]		15-1/2 [394]	12 [304]	8 [203]	11 [279]	15-1/2 [394]		14X20	115	4
LGM 24J/36E	17-1/2 [445]	46 [1168]		15-1/2 [394]	12 [304]	10 [254]	13 [330]	15-1/2 [394]		14X20	115	4
LGM24K	17-1/2 [445]	46 [1168]		15-1/2 [394]	12 [304]	6-1/2 [165]	10 [254]	15-1/2 [394]		14X20	115	4
LGM48L	17-1/2 [445]	46 [1168]		15-1/2 [394]	12 [304]	10 [254]	13 [330]	15-1/2 [394]		14X20	115	4
LGM 36F/48A	21 [533]	49 [1245]		19 [483]	12 [304]	9 [229]	12 [305]	19 [483]		16X20	151	4
LGM 36G/48B	21 [533]	49 [1245]		19 [483]	12 [304]	7 [178]	10 [254]	19 [483]		16X20	151	4
LGM 36H/48C	21 [533]	49 [1245]		19 [483]	12 [304]	9 [229]	12 [305]	19 [483]		16X20	151	4
LGM 36I/48D	21 [533]	49 [1245]		19 [483]	12 [304]	10 [254]	14 [356]	19 [483]		16X20	151	4
LGM 36J/48E	21 [533]	49 [1245]		19 [483]	12 [304]	12 [305]	16 [406]	19 [483]		16X20	151	4
LGM60A	21 [533]	57 [1448]		19 [483]	12 [304]	18 [457]	22 [559]	19 [483]		16X20	173	4
LGM60B	21 [533]	57 [1448]		19 [483]	12 [304]	12 [305]	16 [406]	19 [483]		16X20	173	4
LGM60C	21 [533]	57 [1448]		19 [483]	12 [304]	14 [356]	18 [457]	19 [483]		16X20	173	4
LGM60D	21 [533]	57 [1448]		19 [483]	12 [304]	16 [406]	20 [508]	19 [483]		16X20	173	4
LGM60E	21 [533]	57 [1448]		19 [483]	12 [304]	18 [457]	22 [559]	19 [483]		16X20	173	4
LGM60K	21 [533]	57 [1448]		19 [483]	12 [304]	12 [305]	16 [406]	19 [483]		16X20	173	4
LGM60L	21 [533]	57 [1448]	19 [483]	12 [304]	14 [356]	18 [457]	19 [483]	16X20	173	4		
LGM60M	21 [533]	57 [1448]	19 [483]	12 [304]	16 [406]	20 [508]	19 [483]	16X20	173	4		
LGM 48F/60F	24-1/2 [622]	57 [1448]	22-1/2 [572]	10-1/2 [267]	18 [457]	22 [559]	22-1/2 [572]	20X20	180	4		
LGM 48G/60G	24-1/2 [622]	57 [1448]	22-1/2 [572]	10-1/2 [267]	12 [305]	16 [406]	22-1/2 [572]	20X20	180	4		
LGM4 8H/60H	24-1/2 [622]	57 [1448]	22-1/2 [572]	10-1/2 [267]	14 [356]	18 [457]	22-1/2 [572]	20X20	180	4		
LGM 48I/60I	24-1/2 [622]	57 [1448]	22-1/2 [572]	10-1/2 [267]	16 [406]	20 [508]	22-1/2 [572]	20X20	180	4		
LGM 48J/60J	24-1/2 [622]	57 [1448]	22-1/2 [572]	10-1/2 [267]	18 [457]	22 [559]	22-1/2 [572]	20X20	180	4		



**FIGURE 1**



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