



For complete warranty details
visit www.AspenMfg.com

Product Features and Specifications

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. ETL-listed for use with all major refrigerants when 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.

Options

See Options menu.



LGM SERIES AIR HANDLER

High Efficiency

Multi-Position, 120V Aluminum Coil

COOLING PERFORMANCE AND ELECTRICAL DATA						
MODEL	PERFORMANCE DATA			ELECTRICAL DATA		
	NOMINAL COOLING CAPACITY	MOTOR HP	AMPS	VOLTAGE	MINIMUM CIRCUIT AMPACITY (MCA)	MAX BREAKER OR FUSE SIZE (A)
LGM24A-E	18000 - 24000	1/3	4.8	120	6.0	15
LGM24F-J LGM36A-E	24000-36000	1/2	6.8		8.5	15
LGM36F-J LGM48A-J LGM60A-J	36000 - 60000	1	12		14	30

LGM BLOWER DATA														
MODEL	SPEED TAP	MOTOR												
		HP	AMPS	VOLTAGE	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
LGM24F-J LGM36A-E	TAP 5	1/2	6.8		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
LGM36F-J LGM48A-E LGM60A-E	TAP 5	1	11.5		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
LGM48F-J LGM60F-J	TAP 5	1	11.5		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

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LGM DIMENSIONS												
MODEL	A	B	C	D	E	F	G	J	K	FILTER SIZE	SHIP WEIGHT (LBS)	SKID QTY
LGM24A	"14.5 [368]"	"40 [1016]"	"21.5 [546]"	"12.5 [318]"	"12 [304]"	"5 [127]"	"9 [229]"	"12.5 [218]"	"20 [508]"	12X20	92	6
LGM24B	"14.5 [368]"	"40 [1016]"	"21.5 [546]"	"12.5 [318]"	"12 [304]"	"9 [229]"	"5 [127]"	"12.5 [218]"	"20 [508]"	12X20	92	6
LGM24C	"14.5 [368]"	"40 [1016]"	"21.5 [546]"	"12.5 [318]"	"12 [304]"	"4 [102]"	"7 [178]"	"12.5 [218]"	"20 [508]"	12X20	92	6
LGM24D	"14.5 [368]"	"40 [1016]"	"21.5 [546]"	"12.5 [318]"	"12 [304]"	"5 [127]"	"9 [229]"	"12.5 [218]"	"20 [508]"	12X20	92	6
LGM24E	"14.5 [368]"	"40 [1016]"	"21.5 [546]"	"12.5 [318]"	"12 [304]"	"4 [102]"	"7 [178]"	"12.5 [218]"	"20 [508]"	12X20	92	6
LGM24F/36A	"17.5 [445]"	"46 [1168]"	"21.5 [546]"	"15.5 [394]"	"12 [304]"	"10 [254]"	"13 [330]"	"15.5 [394]"	"20 [508]"	14x20	115	4
LGM24G/36B	"17.5 [445]"	"46 [1168]"	"21.5 [546]"	"15.5 [394]"	"12 [304]"	"4 [102]"	"7 [178]"	"15.5 [394]"	"20 [508]"	14x20	115	4
LGM24H/36C	"17.5 [445]"	"46 [1168]"	"21.5 [546]"	"15.5 [394]"	"12 [304]"	"5 [127]"	"9 [229]"	"15.5 [394]"	"20 [508]"	14x20	115	4
LGM24I/36D	"17.5 [445]"	"46 [1168]"	"21.5 [546]"	"15.5 [394]"	"12 [304]"	"8 [203]"	"11 [279]"	"15.5 [394]"	"20 [508]"	14x20	115	4
LGM24J/36E	"17.5 [445]"	"46 [1168]"	"21.5 [546]"	"15.5 [394]"	"12 [304]"	"10 [254]"	"13 [330]"	"15.5 [394]"	"20 [508]"	14x20	115	4
LGM36F/48A	"21 [533]"	"49 [1245]"	"21.5 [546]"	"19 [483]"	"12 [304]"	"9 [229]"	"12 [305]"	"19 [483]"	"20 [508]"	16X20	151	4
LGM36G/48B	"21 [533]"	"49 [1245]"	"21.5 [546]"	"19 [483]"	"12 [304]"	"7 [178]"	"10 [254]"	"19 [483]"	"20 [508]"	16X20	151	4
LGM36H/48C	"21 [533]"	"49 [1245]"	"21.5 [546]"	"19 [483]"	"12 [304]"	"9 [229]"	"12 [305]"	"19 [483]"	"20 [508]"	16X20	151	4
LGM36I/48D	"21 [533]"	"49 [1245]"	"21.5 [546]"	"19 [483]"	"12 [304]"	"10 [254]"	"14 [356]"	"19 [483]"	"20 [508]"	16X20	151	4
LGM36J/48E	"21 [533]"	"49 [1245]"	"21.5 [546]"	"19 [483]"	"12 [304]"	"12 [305]"	"16 [406]"	"19 [483]"	"20 [508]"	16X20	151	4
LGM60A	"21 [533]"	"57 [1448]"	"21.5 [546]"	"19 [483]"	"12 [304]"	"18 [457]"	"22 [559]"	"19 [483]"	"20 [508]"	16X20	173	4
LGM60B	"21 [533]"	"57 [1448]"	"21.5 [546]"	"19 [483]"	"12 [304]"	"12 [305]"	"16 [406]"	"19 [483]"	"20 [508]"	16X20	173	4
LGM60C	"21 [533]"	"57 [1448]"	"21.5 [546]"	"19 [483]"	"12 [304]"	"14 [356]"	"18 [457]"	"19 [483]"	"20 [508]"	16X20	173	4
LGM60D	"21 [533]"	"57 [1448]"	"21.5 [546]"	"19 [483]"	"12 [304]"	"16 [406]"	"20 [508]"	"19 [483]"	"20 [508]"	16X20	173	4
LGM60E	"21 [533]"	"57 [1448]"	"21.5 [546]"	"19 [483]"	"12 [304]"	"18 [457]"	"22 [559]"	"19 [483]"	"20 [508]"	16X20	173	4
LGM48F/60F	"24.5 [622]"	"57 [1448]"	"21.5 [546]"	"22.5 [572]"	"12 [304]"	"18 [457]"	"22 [559]"	"22.5 [572]"	"20 [508]"	20X20	180	4
LGM48G/60G	"24.5 [622]"	"57 [1448]"	"21.5 [546]"	"22.5 [572]"	"12 [304]"	"12 [305]"	"16 [406]"	"22.5 [572]"	"20 [508]"	20X20	180	4
LGM48H/60H	"24.5 [622]"	"57 [1448]"	"21.5 [546]"	"22.5 [572]"	"12 [304]"	"14 [356]"	"18 [457]"	"22.5 [572]"	"20 [508]"	20X20	180	4
LGM48I/60I	"24.5 [622]"	"57 [1448]"	"21.5 [546]"	"22.5 [572]"	"12 [304]"	"16 [406]"	"20 [508]"	"22.5 [572]"	"20 [508]"	20X20	180	4

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AIR HANDLER CHASSIS NOMENCLATURE			
LGM	24	G	000
LGM= 120v Constant torque ECM Multi-Position Air Handler	Nominal Tonnage	Metering device 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 G= R410 Flo-rater F= R-22 Flo-rater X= non-bleed A/C or H/P R22TXV	OPTION CODE

