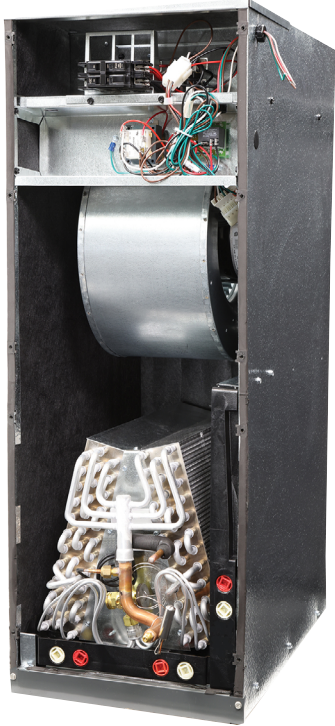


LEM SERIES

HIGH-EFFICIENCY MULTI-POSITION, ALUMINUM COIL

FEATURES, BENEFITS, DIMENSIONS, & SPECIFICATIONS



Unit shown with service panels removed. Representative image 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 TRXV metering device. Field-installable bolt-on TXVs are also available. Access door allows for easy coil cleaning.

WARRANTY Hassle-free ten-year limited warranty. **OPTIONS** See options menu.



WANT MORE INFORMATION ON ASPEN'S LEM 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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HEATING/COOLING PERFORMANCE & ELECTRICAL DATA													
MODEL	ELECTRIC HEAT			PERFORMANCE DATA				ELECTRICAL DATA					
	ELECTRIC HEAT KIT	MIN. MOTOR SPEED TAP	MIN. CFM REQ.	HEATING (KW)		TOT. AMPS (A)		HEATING CAPACITY (MBTUH)		MIN. CIRCUIT AMPACITY (MCA2)		MAX. BREAKER OR FUSE SIZE (MEU2)	
				208V	240V	208V	240V	208V	240V	208V	240V	208V	240V
LEM 24A-E LEM 36L	N(C,T)S00	N/A	NA	0.0	0.0	2.8	2.8	0.0	0.0	3.5	3.5	15	15
	N(C,T)S03	T2	630	2.3	3.0	13.6	15.3	7.8	10.2	17.0	19.1	20	20
	N(C,T)S05	T2	630	3.6	4.8	20.1	22.8	12.3	16.4	25.1	28.5	30	30
	N(C,T)S06	T2	630	4.5	6.0	24.4	27.8	15.4	20.5	30.5	34.8	35	35
	N(C,T)S08	T2	630	6.0	8.0	31.6	36.1	20.5	27.3	39.6	45.2	40	50
	N(C,T)S10	T3	750	7.2	9.6	37.4	42.8	24.6	32.8	46.8	53.5	50	60
LEM 24F-K LEM 36A-E LEM 36K,M LEM 48L	N(C,T)M00	N/A	NA	0.0	0.0	4.1	4.1	0.0	0.0	5.1	5.1	15	15
	N(C,T)M03	T3	800	2.3	3.0	14.9	16.6	7.8	10.2	18.6	20.8	20	25
	N(C,T)M05	T3	800	3.6	4.8	21.4	24.1	12.3	16.4	26.8	30.1	30	35
	N(C,T)M06	T3	800	4.5	6.0	25.7	29.1	15.4	20.5	32.2	36.4	35	40
	N(C,T)M08	T3	800	6.0	8.0	32.9	37.4	20.5	27.3	41.2	46.8	45	50
	N(C,T)M10	T4	1060	7.2	9.6	38.7	44.1	24.6	32.8	48.4	55.1	50	60
	N(C,T)M15	T4	1060	7.2/ 3.6	9.6/ 4.8	38.7/ 17.3	44.1/ 20.0	36.8	49.1	48.4/ 21.6	55.1/ 25	50/ 25	60/ 25
LEM 36F-J LEM 48A-E *LEM 60A-E *LEM 60K-M	N(C,T)L00	N/A	NA	0.0	0.0	7.6	7.6	0.0	0.0	9.5	9.5	15	15
	N(C,T)L03	T2	1050	2.3	3.0	18.4	20.1	7.8	10.2	23	25.1	25	30
	N(C,T)L05	T2	1050	3.6	4.8	24.9	27.6	12.3	16.4	31.1	34.5	35	35
	N(C,T)L06	T2	1050	4.5	6.0	29.2	32.6	15.4	20.5	36.5	40.8	40	45
	N(C,T)L08	T2	1050	6.0	8.0	36.4	40.9	20.5	27.3	45.6	51.2	50	60
	N(C,T)L10	T2	1050	7.2	9.6	42.2	47.6	24.6	32.8	52.8	59.5	60	60
	N(C,T)L15	T3	1200	7.2/ 3.6	9.6/ 4.8	42.2/ 17.3	47.6/ 20.0	36.8	49.1	52.8/ 21.6	59.5/ 25	60/ 25	60/ 25
	*N(C,T)L20	T3	1200	7.2/ 7.2	9.6/ 9.6	42.2/ 34.6	47.6/ 40.0	49.1	65.5	52.8/ 43.3	59.5/ 50	60/ 45	60/ 50
LEM 48F-J LEM 60F-J	N(C,T)X00	N/A	NA	0.0	0.0	7.6	7.6	0.0	0.0	9.5	9.5	15	15
	N(C,T)X03	T2	1435	2.3	3.0	18.4	20.1	7.8	10.2	23	25.1	25	30
	N(C,T)X05	T2	1435	3.6	4.8	24.9	27.6	12.3	16.4	31.1	34.5	35	35
	N(C,T)X06	T2	1435	4.5	6.0	29.2	32.6	15.4	20.5	36.5	40.8	40	45
	N(C,T)X08	T2	1435	6.0	8.0	36.4	40.9	20.5	27.3	45.6	51.2	50	60
	N(C,T)X10	T2	1435	7.2	9.6	42.2	47.6	24.6	32.8	52.8	59.5	60	60
	N(C,T)X15	T2	1435	7.2/ 3.6	9.6/ 4.8	42.2/ 17.3	47.6/ 20.0	36.8	49.1	52.8/ 21.6	59.5/ 25	60/ 25	60/ 25
	N(C,T)X20	T2	1435	7.2/ 7.2	9.6/ 9.6	42.2/ 34.6	47.6/ 40.0	49.1	65.5	52.8/ 43.3	59.5/ 50	60/ 45	60/ 50

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AIR HANDLER CHASSIS NOMENCLATURE				
LEM	NOM. TONNAGE	COIL SIZE	METERING DEVICE	OPTION CODE
	18	D	G	-000
240V CONSTANT TORQUE ECM MULTI-POSITION AIR HANDLER	24 = 24,000	24,000 = A-M	A1 4 = R410A (TXV NON-BLEED A/C or H/P) 6 = R410A (TXV 20% BLEED A/C or H/P) B = R22 (TXV 20% BLEED A/C or H/P) X = R22 (TXV NON-BLEED A/C or H/P) F = R22 (PISTON) G = R410A (PISTON)	OPTION CODE
	30 = 30,000	36,000 = A-M	A2L J = R454B (TXV NON-BLEED A/C or H/P) K = R454B (TXV 20% BLEED A/C or H/P) D = R32 (TXV NON-BLEED A/C or H/P) M = R32 (PISTON) N = R454B (PISTON)	
	36 = 36,000	48,000 = A-L		
	42 = 42,000	60,000 = A-M		
	60 = 60,000 (MBTUH)	(SLAB SIZE, DEPTH, ROWS)		

*Coil Code = SLAB SIZE, DEPTH, ROWS

ELECTRIC HEAT KIT NOMENCLATURE			
HEAT KIT SERIES	POWER CONNECTION	CABINET SIZE & NOM. TON.	HEAT STRIP
N	C	M	03
ELECTRIC HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK	S = 24(A-E) 36L	HEAT STRIP 00 = 0 KW 06 = 6 KW 03 = 3 KW 08 = 8 KW 05 = 5 KW 10 = 10 KW
		M = 24(F-K) 36(A-E) 48 (K-L)	HEAT STRIP 00 = 0 KW 08 = 8 KW 03 = 3 KW 10 = 10 KW 05 = 5 KW 15 = 15 KW 06 = 6 KW
		L = 36(F-J) 48(A-E) 60(A-E)* 60(K-M)*	HEAT STRIP 00 = 0 KW 08 = 8 KW 03 = 3 KW 10 = 10 KW 05 = 5 KW 15 = 15 KW 06 = 6 KW
		X = 48(F-J) 60(F-J)	HEAT STRIP 00 = 0 KW 08 = 8 KW 03 = 3 KW 10 = 10 KW 05 = 5 KW 15 = 15 KW 06 = 6 KW 20 = 20 KW

NOTE: * = The N(C/T)L20 is only available for the LEM60(A-E) & LEM60(K-M)

BLOWER DATA														
MODEL	SPEED TAP	ECM MOTOR			CFM VS EXTERNAL STATIC									
		HP	AMP	VOLT	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
LEM 24A-E	T5	1/3	2.8	240	1030	1000	975	945	910	880	865	830	795	750
	T4				975	945	910	880	865	830	795	775	715	700
	T3				845	810	780	755	725	705	665	635	600	550
	T2				775	745	725	700	665	645	610	575	525	465
	T1				645	620	590	565	550	510	480	420	370	330
LEM 36L	T5	1/3	2.8	240	1250	1225	1200	1175	1150	1125	1050	960	-	-
	T4				1160	1140	1115	1090	1075	1030	1000	975	900	-
	T3				925	900	865	845	810	775	745	710	695	650
	T2				810	770	740	710	680	655	620	590	550	510
	T1				650	640	610	575	540	510	475	420	380	345

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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			
LEM24F-M LEM36A-E LEM36K,M LEM48K	T5	1/2	4.1	240	1320	1300	1285	1265	1225	1200	1165	1130	1100	1070			
	T4				1150	1130	1115	1090	1060	1020	975	945	880	810			
	T3				930	910	875	845	800	765	675	625	590	540			
	T2				825	790	755	720	675	600	550	510	485	440			
	T1				745	725	675	645	565	525	480	445	400	350			
LEM48L	T5				1375	1340	1315	1300	1255	1200	1150	1120	1090	1050			
	T4				1175	1150	1125	1075	1075	1045	990	960	900	845			
	T3				915	900	880	850	800	765	705	665	620	590			
	T2				850	830	780	730	675	635	585	550	510	450			
	T1				725	705	675	620	565	530	485	460	415	380			
LEM36F-J LEM48A-E LEM60A-E	T5				1	7.6	240	1690	1650	1630	1610	1600	1590	1570	1550	1515	1500
	T4							1580	1460	1435	1420	1400	1370	1350	1325	1275	1250
	T3							1300	1275	1260	1240	1200	1165	1130	1100	1075	1050
	T2							1175	1160	1130	1090	1050	1000	960	930	900	860
	T1							1020	975	945	900	850	810	775	715	695	650
LEM60C	T5	1750	1730	1695				1655	1630	1570	1520	1475	1450	1415			
	T4	1560	1520	1475				1435	1435	1375	1350	1325	1275	1250			
	T3	1350	1300	1275				1225	1200	1175	1125	1100	1060	1030			
	T2	1175	1140	1100				1075	1050	1000	975	928	895	790			
	T1	990	940	910				880	850	790	775	675	620	600			
LEM60K-M	T5	2080	2050	2025				2000	1965	1935	1910	1880	1845	1825			
	T4	1990	1965	1940				1910	1885	1855	1825	1790	1760	1725			
	T3	1855	1830	1795				1775	1745	1710	1680	1645	1615	1580			
	T2	1575	1540	1510				1475	1435	1400	1360	1320	1280	1240			
	T1	1380	1345	1305				1265	1225	1175	1135	1085	1040	990			
LEM48F-J LEM60F-J	T5	2130	2090	2050	2005	1965	1920	1875	1855	1830	1780						
	T4	1990	1950	1910	1860	1815	1775	1745	1710	1675	1635						
	T3	1815	1760	1725	1675	1615	1600	1560	1520	1475	1415						
	T2	1635	1595	1560	1500	1435	1415	1370	1300	1200	1125						
	T1	1480	1435	1370	1325	1275	1230	1150	1040	980	925						

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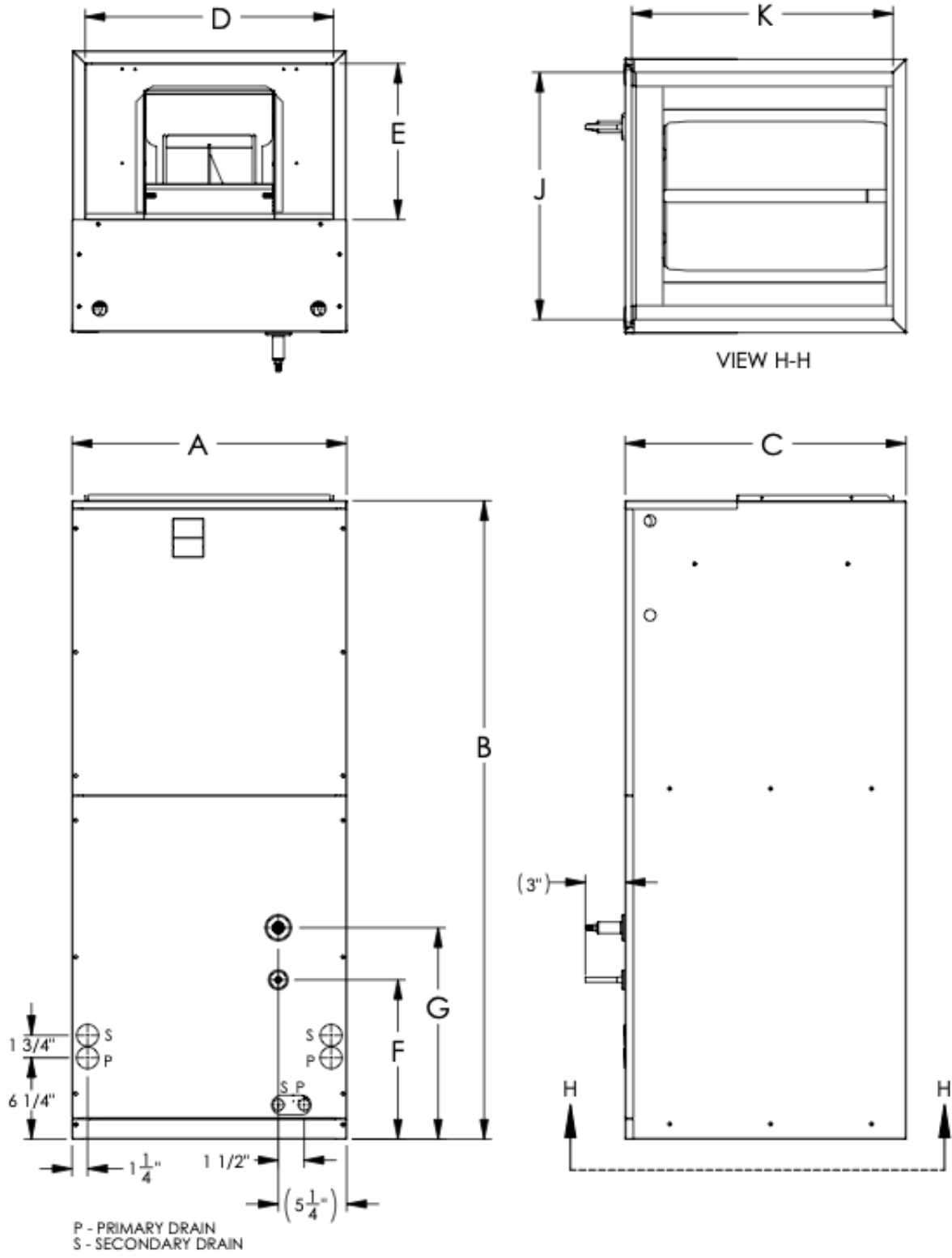
LEM DIMENSIONS (In.) - FIGURE 1

MODEL	A	B	C	D	E	F	G	J	K	FILTER SIZE	SHIPPING INFO	
											WEIGHT	QTY
LEM24A	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
LEM24B	14-1/2 [368]	40 [1016]		12-1/2 [318]	12 [304]	9 [229]	5 [127]	12-1/2 [218]		12X20	92	6
LEM24C	14-1/2 [368]	40 [1016]		12-1/2 [318]	12 [304]	4 [102]	7 [178]	12-1/2 [218]		12X20	92	6
LEM24D	14-1/2 [368]	40 [1016]		12-1/2 [318]	12 [304]	5 [127]	9 [229]	12-1/2 [218]		12X20	92	6
LEM24E	14-1/2 [368]	40 [1016]		12-1/2 [318]	12 [304]	4 [102]	7 [178]	12-1/2 [218]		12X20	92	6
LEM36L	14-1/2 [368]	40 [1016]		12-1/2 [318]	12 [304]	5 [127]	9 [229]	12-1/2 [218]		12X20	92	6
LEM 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
LEM 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
LEM 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
LEM24I/36D/24L/36K	17-1/2 [445]	46 [1168]		15-1/2 [394]	12 [304]	8 [203]	11 [279]	15-1/2 [394]		14X20	115	4
LEM24J/36E/24M/36M	17-1/2 [445]	46 [1168]		15-1/2 [394]	12 [304]	10 [254]	13 [330]	15-1/2 [394]		14X20	115	4
LEM24K	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
LEM48L	17-1/2 [445]	46 [1168]		15-1/2 [394]	12 [304]	10 [254]	13 [330]	15-1/2 [394]		14X20	115	4
LEM 36F/48A	21 [533]	49 [1245]		19 [483]	12 [304]	9 [229]	12 [305]	19 [483]		16X20	151	4
LEM 36G/48B	21 [533]	49 [1245]		19 [483]	12 [304]	7 [178]	10 [254]	19 [483]		16X20	151	4
LEM 36H/48C	21 [533]	49 [1245]		19 [483]	12 [304]	9 [229]	12 [305]	19 [483]		16X20	151	4
LEM 36I/48D	21 [533]	49 [1245]		19 [483]	12 [304]	10 [254]	14 [356]	19 [483]		16X20	151	4
LEM 36J/48E	21 [533]	49 [1245]		19 [483]	12 [304]	12 [305]	16 [406]	19 [483]		16X20	151	4
LEM60A	21 [533]	57 [1448]		19 [483]	12 [304]	18 [457]	22 [559]	19 [483]		16X20	173	4
LEM 60B/60K	21 [533]	57 [1448]		19 [483]	12 [304]	12 [305]	16 [406]	19 [483]		16X20	173	4
LEM 60C/60L	21 [533]	57 [1448]	19 [483]	12 [304]	14 [356]	18 [457]	19 [483]	16X20	173	4		
LEM 60D/60M	21 [533]	57 [1448]	19 [483]	12 [304]	16 [406]	20 [508]	19 [483]	16X20	173	4		
LEM60E	21 [533]	57 [1448]	19 [483]	12 [304]	18 [457]	22 [559]	19 [483]	16X20	173	4		
LEM 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		
LEM 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		
LEM 48H/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		
LEM 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		
LEM 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		

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FIGURE 1



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