

LEW SERIES ELECTRIC HEAT AIR HANDLER

VERTICAL WALL MOUNT, ALUMINUM TUBE



Unit shown with service panels removed. Representative image only. Some models may vary in appearance.

APPLICATION VERSATILITY

Front or bottom return air position. Offset hanging brackets attach to unit and wall to allow hanging inside closet. Can be AHRI matched 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 and R410A. ETL listed for R454B and R32 with Refrigerant Detection System (RDS).

240V CONSTANT TORQUE ECM MOTOR

Pre-programmed, 5-speed, 208V/240V ECM motors that ensure higher efficiency and increased energy savings by delivering constant torque during operation. 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 multi-speed blowers circulate air quietly and efficiently. Motor speeds can be easily selected via motor terminals. Swing mounted blowers can be easily removed for service.

ELECTRONIC CIRCUIT BOARD

Electronic circuit board provides 30 secs ON/OFF blower time delay extracting more heat/cool from the coil. Automotive-style pull fuse protection on the circuit board to provide low voltage and transformer protection.

LOW LEAKAGE CABINET

Sturdy, fully insulated galvanized steel cabinet; stick pins ensure 1/2" insulation remains in place. Unit ships with disposable filter. Less than 1.4% air leakage from cabinet when tested in accordance with ASHRAE standard 193. Unit must be installed according to Aspen installation instructions.

DX COIL

High-efficiency rifled copper tubes and enhanced aluminum fins provide maximum heat transfer. All coils are immersion tested at 500 psi, followed by nitrogen pressurization and factory sealing to ensure 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 or easy coil cleaning.

- Liquid Line: 3/8" ODS
- Suction Line: 7/8" ODS
- Drain Pan Connections: 3/4" NPT

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available from 3 to 10 KW. Models with electric heat include sequencers and temperature limit switches for safe, efficient operation. Modules are easily installed in the field using molex plugs or can be ordered factory-installed. Controls are accessible from the front for easy service. Electrical connections can be made from the top or left. Disconnect does not protrude through the wall panel. Fan time delay relay standard for increased efficiency.

WARRANTY Five-year limited parts warranty with registration.

OPTIONS See options menu.

CUSTOMIZATION OPTIONS***UNIVERSAL A2L REFRIGERANT TECHNOLOGY FOR R32 & R454B SYSTEMS****IDEAL FOR USE WITH ASPEN AIR HANDLERS, AS WELL AS CASED & UNCASD COILS!**

Versa Pro 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 OPTIONS:

- Refrigerant Detection System (RDS) kit factory-installed.
- Factory or field-installed TXV available.

DOWNFLOW KIT OPTIONS:**METAL DRAIN PANS**

- 16" DWNFLWM-16
- 18" DWNFLWM-18

PLASTIC DRAIN PANS

- DWNFLWP

LEW-SS-AH-002-A



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HEATING/COOLING PERFORMANCE & ELECTRICAL DATA										
MODEL	PERFORMANCE DATA						ELECTRICAL DATA			
	NOM. COOLING	ELECTRIC HEAT KIT MODEL	HEATING		HEATING CAPACITY		MIN. CIRCUIT AMPACITY		MAX. BREAKER OR FUSE SIZE	
			KW		MBTUH		MCA			
	BTU		208V	240V	208V	240V	208V	240V	208V	240V
LEW 30A 30D 30F	30,000	F(C,T)S00	0.0	0.0	0.0	0.0	3.0	3.0	15	15
		F(C,T)S03	2.3	3.0	7.8	10.2	16.5	18.6	20	20
		F(C,T)S05	3.7	4.8	12.6	16.4	24.6	28	30	30
		F(C,T)S06	4.6	6.0	13.5	17.9	30	34.3	35	35
		F(C,T)S08	6.0	8.0	20.5	27.3	39.1	44.7	40	50
		F(C,T)S10	7.2	9.6	24.5	32.8	46.3	53	50	60
LEW 30B 30C 30E		F(C,T)S00	0.0	0.0	0.0	0.0	3.5	3.5	15	15
		F(C,T)S03	2.3	3.0	7.8	10.2	17	19.1	20	20
		F(C,T)S05	3.7	4.8	12.6	16.4	25.1	28.5	30	30
		F(C,T)S06	4.6	6.0	13.5	17.9	30.5	34.8	35	35
		F(C,T)S08	6.0	8.0	20.5	27.3	39.6	45.2	40	50
		F(C,T)S10	7.2	9.6	24.5	32.8	46.8	53.5	50	60
LEW 36A 36C	36,000	F(C,T)M00	0.0	0.0	0.0	0.0	5.1	5.1	15	15
		F(C,T)M03	2.3	3.0	7.8	10.2	18.6	20.8	20	25
		F(C,T)M05	3.7	4.8	12.6	16.4	26.8	30.1	30	35
		F(C,T)M06	4.6	6.0	13.5	17.9	32.2	36.4	35	40
		F(C,T)M08	6.0	8.0	20.5	27.3	41.2	46.8	45	50
		F(C,T)M10	7.2	9.6	24.5	32.8	48.4	55.1	50	60
LEW 36B 36D		F(C,T)M00	0.0	0.0	0.0	0.0	4.5	4.5	15	15
		F(C,T)M03	2.3	3.0	7.8	10.2	18	20.1	20	25
		F(C,T)M05	3.7	4.8	12.6	16.4	26.1	29.5	30	35
		F(C,T)M06	4.6	6.0	13.5	17.9	31.6	35.8	35	40
		F(C,T)M08	6.0	8.0	20.5	27.3	40.6	46.2	45	50
		F(C,T)M10	7.2	9.6	24.5	32.8	47.8	54.5	50	60

ELECTRIC HEAT KIT NOMENCLATURE			
HEAT KIT SERIES	POWER CONNECTION	CABINET SIZE & NOM. TON.	HEAT STRIP
F	C	S	03
WALL MOUNT ELECTRIC HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK	S (SMALL) 30 M (MEDIUM) 36	03 = 3 KW 08 = 8 KW 05 = 5 KW 10 = 10 KW 06 = 6 KW

AIR HANDLER CHASSIS NOMENCLATURE				
LEW	NOM. TON.	COIL CODE*	METERING DEVICE	OPTION CODE
	MBTUH	A	F	-001
240V ECM MOTOR VERTICAL WALL MOUNT	30 = 30,000	A-F (SLAB SIZE, DEPTH, ROWS)	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)	
	36 = 36,000	A-D (SLAB SIZE, DEPTH, ROWS)	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 Piston)	

*Coil Code = SLAB SIZE, DEPTH, ROWS. AC/HP = Air Conditioning/Heat Pump

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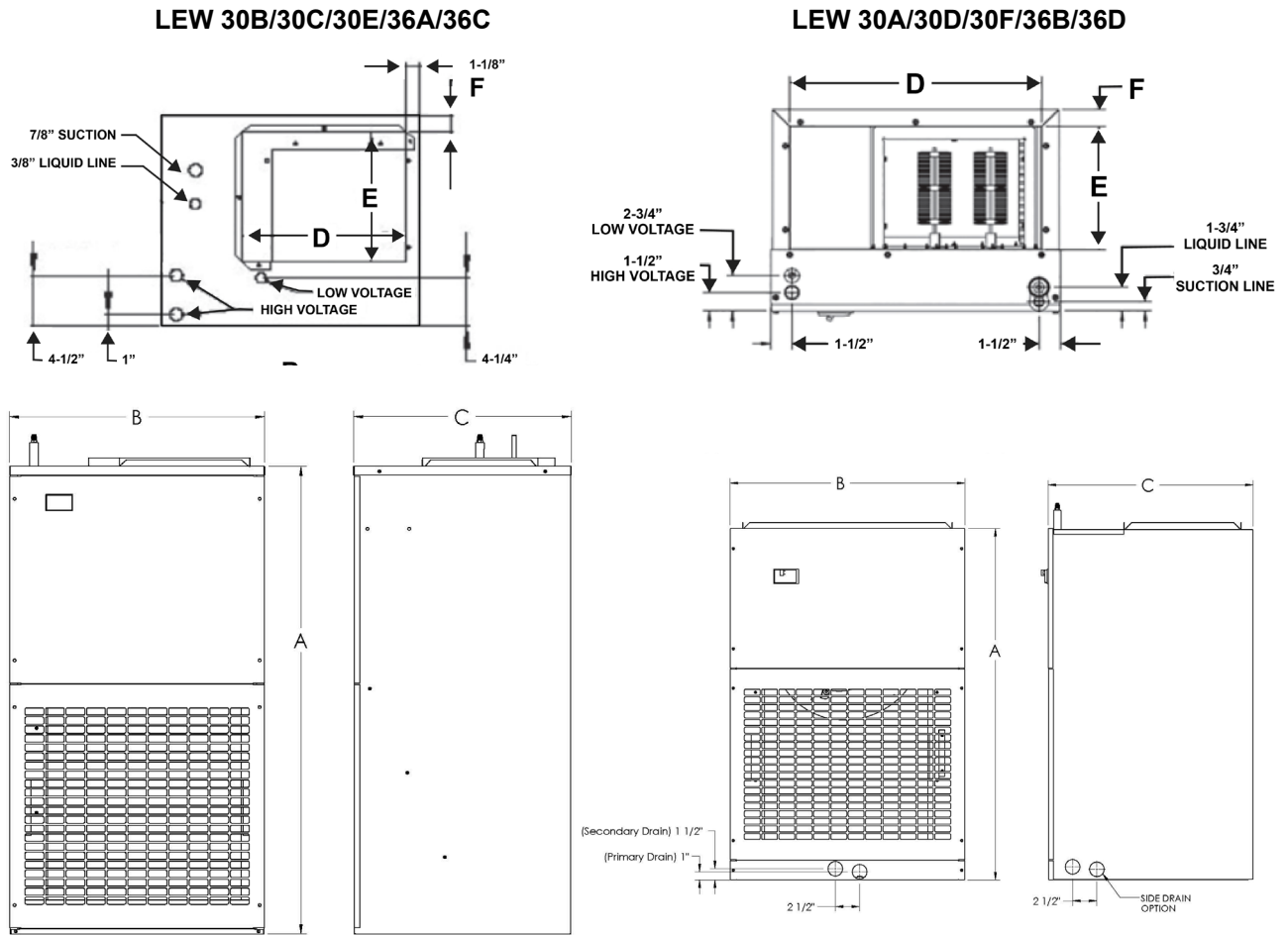
BLOWER DATA								
MODEL	240V ECM MOTOR			CFM VS EXTERNAL STATIC*† (WET COIL)				
	SPEED TAP	HP	AMPS	0.1	0.2	0.3	0.4	0.5
LEW 30B 30C	T1	1/3	2.8	909	864	840	800	782
	T2	1/3	2.8	723	690	652	631	600
	T3	1/3	2.8	600	656	539	502	480
	T4	1/3	2.8	723	690	652	631	600
	T5	1/3	2.8	909	864	840	800	782
LEW 30D 30E 30F	T1	1/3	2.8	670	645	615	590	570
	T2	1/3	2.8	800	780	750	730	695
	T3	1/3	2.8	875	850	820	790	760
	T4	1/3	2.8	980	955	930	900	875
	T5	1/3	2.8	1065	1035	1015	995	970
LEW 30A	T1	1/3	2.8	655	630	605	580	560
	T2	1/3	2.8	785	765	735	715	685
	T3	1/3	2.8	860	835	805	775	745
	T4	1/3	2.8	960	835	805	775	745
	T5	1/3	2.8	1045	1015	995	975	950
LEW 36A 36C	T1	1/2	4.1	1365	1332	1303	1271	1240
	T2	1/2	4.1	745	698	668	630	600
	T3	1/2	4.1	898	873	853	827	880
	T4	1/2	4.1	1174	1132	1106	1078	1047
	T5	1/2	4.1	1365	1332	1303	1271	1240
LEW 36B 36D	T1	1/2	4.1	745	715	675	640	615
	T2	1/2	4.1	940	910	875	840	805
	T3	1/2	4.1	1100	1070	1025	995	965
	T4	1/2	4.1	1220	1180	1155	1115	1085
	T5	1/2	4.1	1385	1350	1330	1290	1270

*Wet coil with filter †For 208 operation multiply by 0.90

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FIGURE 1

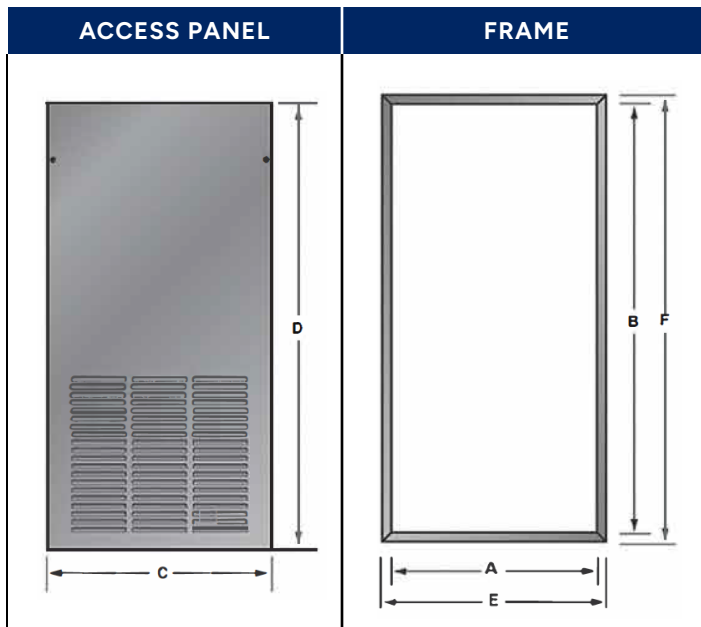


DIMENSION AND SPECIFICATIONS (In.)[mm.] - FIGURE 1

MODEL	A	B	C	D	E	F	FILTER SIZE	PISTON	SHIPPING INFO	
									WEIGHT	SKID QTY
LEW30A*	36 [915]	20-1/2 [521]	15 [381]	18 [457]	9-1/4 [235]	1-1/4 [32]	14X18	0.049	80	4
LEW30B*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	18X20	0.049	90	
LEW30C*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	18X20	0.055	90	
LEW30D*	36 [915]	24 [610]	21 [533]	21-1/2 [546]	12 [305]	1-1/4 [32]	20X20	0.049	90	
LEW30E*	40-1/2 [1029]	22 [559]	18-3/4 [476]	14 [356]	11-1/2 [292]	1-3/8 [35]	20X20	0.059	102	
LEW30F*	36 [915]	24 [610]	21 [533]	21-1/2 [546]	12 [305]	1-1/4 [32]	20X20	0.055	90	
LEW36A*	37-1/2 [953]	22 [559]	18-3/4 [476]	14 [356]	10 [254]	3-1/4 [83]	18X20	0.059	90	
LEW36B*	36 [915]	24 [610]	21 [533]	21-1/2 [546]	12 [305]	1-1/4 [32]	20X20	0.059	90	
LEW36C*	40-1/2 [1029]	22 [559]	18-3/ [476]	14 [356]	11-1/2 [292]	1-3/8 [35]	20X20	0.068	102	
LEW36D*	36 [915]	24 [610]	21 [533]	21-1/2 [546]	12 [305]	1-1/4 [32]	20X20	0.068	90	

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FIGURE 2



INSTALLATION CLEARANCES (In.)		
CABINET CLEARANCE AREA	OPERATION	SERVICE
TOP	0	0
FRONT		30"
SIDES		
REAR		0

DIMENSION & SPECIFICATIONS (In.) - FIGURE 2									
PANEL MODEL	FOR USE WITH	FINISH	A	B	C	D	E	F	# OF PANELS
WAD-7(S/L)	LEW 30B/30C/36A	Embossed	22-5/8	39-7/8	24-1/4	41-1/2	24-1/8	41-3/8	1
WAD-8(S/L)	LEW 30E/36C	Embossed	22-5/8	42-7/8	24-1/4	44-1/2	24-1/8	44-3/8	
WAD-18(S/L)	LEW 30B/30C/36A	Smooth	22-5/8	39-7/8	24-1/4	41-1/2	24-1/8	41-3/8	
WAD-19(S/L)	LEW 30E/36C	Smooth	22-5/8	42-7/8	24-1/4	44-1/2	24-1/8	44-3/8	
WAD-20(S/L)	LEW 30A	Embossed	21-1/8	38-3/8	22-3/4	40	22-5/8	39-7/8	
WAD-21(S/L)	LEW 30D/30F/36B/36D	Embossed	24-5/8	38-3/8	26-1/4	40	26-1/8	39-7/8	
WAD-22(S/L)	LEW 30A	Smooth	21-1/8	38-3/8	22-3/4	40	22-5/8	39-7/8	
WAD-23(S/L)	LEW 30D/30F/36B/36D	Smooth	24-5/8	38-3/8	26-1/4	40	26-1/8	39-7/8	

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