

## LVE Series

# Low Velocity Evaporator

## Electric Defrost



Model LVE unit coolers are ideally suited for products requiring storage temperatures ranging from +28°F to 34°F. They are particularly suited for meat, ice, fruit and vegetable storage or any other product requiring relatively high humidity conditions.

It has been known that two major factors – temperature and humidity – govern the preservation of food, especially meat. The best storage temperature for fresh meat is 30°F with a high relative humidity. Where a 30° temperature is maintained and humidity is kept at 85 to 90% an ideal condition exists. The meat itself is just above the freezing point, making it firm for more uniform cuts, better sales appeal and less trim waste. High relative humidity with 30° temperature prevents costly loss through shrinkage.

The positive rapid electric defrost of the LVE maintains a clean coil which results in a minimum room temperature fluctuation

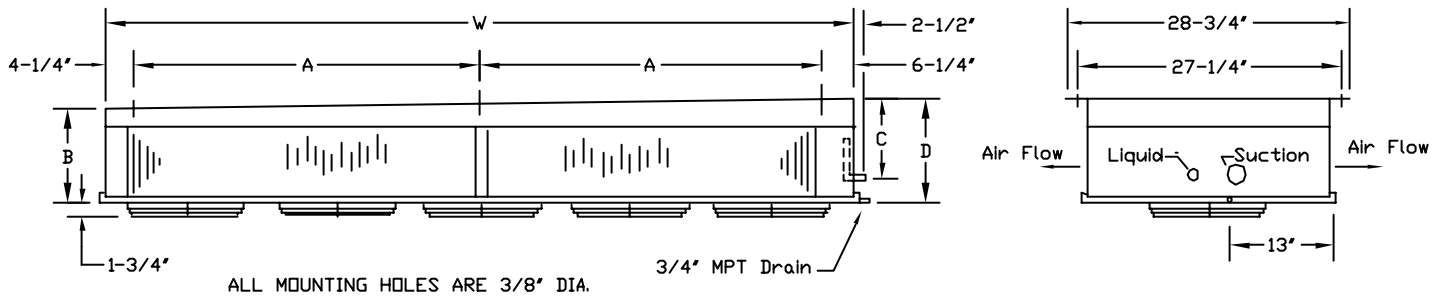


### Features:

- Low air velocity.
- Low unit height.
- Corrosion resistant Aluminum cabinet.
- Coils constructed of Copper tubes and Aluminum fins.
- Baked white housing available as an option.
- All motors are permanently lubricated with built-in overload protection.
- UL and C-UL listed.
- NSF approved.
- Sloped drain pan built-in for positive condensate drainage.
- Factory wired for quick installation.
- Hinged drain pan for quick easy access.
- Incoloy sheathed heaters.
- Fixed defrost termination fan delay thermostats.
- Heater safety thermostat.



# LVE Low Velocity Evaporator



- NOTES - ALL DIMENSIONS ARE IN INCHES.  
 - MODEL LVE-65 HAS 4 MOUNTING HOLES.  
 - MODELS LVE-105 THRU LVE-275 HAVE 6 MOUNTING HOLES.  
 - MODEL LVE-371 HAS 8 MOUNTING HOLES.

## Performance Data

MODEL	CAPACITY BTU/HR (1)		CFM	QTY	MOTOR AMPS			DEFROST HEATER DATA			
	10°F TD	20°F TD			SP	PSC	EC	AMPS - 60 HZ			WATTS
								230V/1	230/3	460V/1	
LVE-65	6,500	13,000	1050	2	0.6	0.6	0.58	17.2	14.8	8.6	3940
LVE-105	10,500	21,000	1220	3	0.9	0.9	0.87	26.0	22.5	13.0	5960
LVE-140	14,000	28,000	1670	3	1.65	0.9	0.87	26.0	22.5	13.0	5960
LVE-150	15,000	30,000	1820	3	1.65	0.9	0.87	26.0	22.5	13.0	5960
LVE-180	18,000	36,000	2230	4	2.2	1.2	1.16	35.0	21.3	17.5	8060
LVE-215	21,500	43,000	2420	4	2.2	1.2	1.16	35.0	21.3	17.5	8060
LVE-275	27,500	55,000	2420	4	2.2	1.2	1.16	35.0	21.3	17.5	8060
LVE-371	37,100	74,200	2830	5	3.3	1.5	1.45	43.1	28.5	21.6	9920

SP = Shaded Pole motor(s), PSC = Permanent Split Capacitor motor(s), EC = Electronically Commutated motor(s).

## Dimensional Data

MODEL	Connections (in) (1)				Dimensions (in)					Refrig. Charge (lbs) (1)	Approx. Ship Weight (lbs)
	Suction O.D.	Liquid FN	Ext. Equal O.D.	Drain MPT	A (3)	B	C	D	W		
LVE-65	7/8	1/2	1/4	3/4	48	7-1/2	6-1/4	8-3/8	58-1/2	5.3	155
LVE-105	7/8	1/2	1/4	3/4	36	7-1/2	6-1/4	9	82-1/2	7.8	205
LVE-140	1-1/8	1/2	1/4	3/4	36	10-1/2	9-3/4	12	82-1/2	11.7	265
LVE-150	1-1/8	1/2	1/4	3/4	36	10-1/2	9-3/4	12	82-1/2	11.7	285
LVE-180	1-1/8	1/2	1/4	3/4	48	10-1/2	9-3/4	12	106-1/2	15.4	325
LVE-215	1-1/8	1/2	1/4	3/4	48	10-1/2	9-3/4	12	106-1/2	15.4	340
LVE-275	1-1/8	1/2	1/4	3/4	48	13-1/2	12-3/4	15	106-1/2	20.6	370
LVE-371	1-1/8	1/2	1/4	3/4	40	13-1/2	12-3/4	15	130-1/2	32.2	490

- Based on R-22.
- Optional PSC motors are available, contact factory.
- LVE-65 has 4 mounting holes, LVE-105 thru LVE-275 have 6 mounting holes, and LVE-371 has 8 mounting holes.

Specifications and dimensions are subject to change without notice.

KM-LVE-1211A