LEADING EDGE®
A Marley Engineered Products Brand



ENVIRONMENTAL SERIES



APPLICATIONS:

Commercial

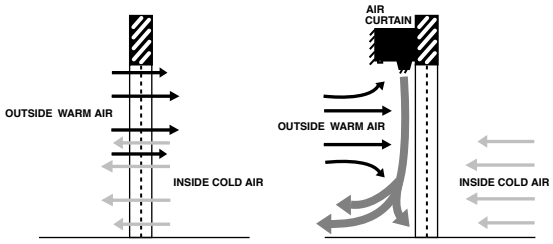
Food Service: Restaurants, bakeries, cafeterias

- For use in freezers, coolers, cold storage facilities, processing plants and other refrigerated applications.

SPECIAL FEATURES:

- Galvanized, corrosion-resistant cabinet and intake grill.
- Corrosion-resistant dual-intake scrolls, precision-balanced twin blower wheels.
- Heavy duty, totally-enclosed permanent split capacitor type motors.
- Rubber-sealed and permanently-lubricated bearings.
- For use with optional instant automatic door switch.
- Energy-efficient 2-speed motors *(For single-phase only).*

HOW AIR CURTAINS WORK



AIR CURTAINS create a thermal barrier keeping cold areas at maximum efficiency, minimizing freezer condensation while conserving energy.

NOTE: Guide selection is based on refrigerated areas within facilities. Air curtains must be mounted on warm side. For exterior loading dock applications consult factory.
Selection guide does not include negative pressure or wind tunnel conditions.

AIR CURTAIN SELECTION GUIDE

Mtg. Ht. (Ft.)	Thermal Barrier Applications Type of Door	1/8 HP**	1/4 HP	1/2 HP	3/4 HP
7’	WALK-IN COOLER	✔			
8’	COOLER		✔		
10’	COOLER			✔	
12’	COOLER				✔
8’	FREEZER			✔	
10’	FREEZER				
12’	FREEZER				✔

***Walk-in cooler (Low-Profile Series) model*

MODEL NUMBER	WIDTH	AIR DELIVERY @ NOZZLE OUTLET: MAX VELOCITY (FPM) HI/LOW	AVG VELOCITY (FPM) HI/LOW	AVG. AIR FLOW RATE (CFM) HI/LOW	#MOTORS @ H.P.	INPUT POWER RATING (KW)*: 1-PH	3-PH	APPROX. SHIPPING WEIGHT (LBS)
1/4 HP MODELS								
E36001#25	36”	2500/1850	2000/1480	1620/1200	**1@1/4**	0.41	0.24	65
E38001#25	38”	2500/1850	1955/1450	1670/1240	**1@1/4**	0.41	0.24	67
E42001#25	42”	2500/1850	1900/1410	1795/1330	**1@1/4**	0.41	0.24	70
E48001#25	48”	2500/1850	1855/1375	2000/1480	**1@1/4**	0.41	0.24	77
E60002#25	60”	2500/1850	2125/1575	2880/2135	**2@1/4**	0.82	0.48	128
E72002#25	72”	2500/1850	2000/1480	3240/2400	**2@1/4**	0.82	0.48	130
E76002#25	76”	2500/1850	1955/1450	3340/2475	**2@1/4**	0.82	0.48	134
E84002#25	84”	2500/1850	1915/1420	3620/2680	**2@1/4**	0.82	0.48	142
E96002#25	96”	2500/1850	1855/1375	4000/2960	**2@1/4**	0.82	0.48	154
E10803#25	108”	2500/1850	2000/1480	4860/3600	**3@1/4**	1.23	0.72	195
E12003#25	120”	2500/1850	1945/1440	5240/3880	**3@1/4**	1.23	0.72	207
E13203#25	132”	2500/1850	1895/1405	5620/4160	**3@1/4**	1.23	0.72	219
E14403#25	144”	2500/1850	1855/1375	6000/4440	**3@1/4**	1.23	0.72	231
1/2 HP MODELS								
E36001#50	36”	3800/2815	3040/2250	2460/1820	**1@1/2**	0.62	0.40	74
E38001#50	38”	3800/2815	2965/2195	2535/1880	**1@1/2**	0.62	0.40	76
E42001#50	42”	3800/2815	2890/2140	2730/2020	**1@1/2**	0.62	0.40	79
E48001#50	48”	3800/2815	2815/2085	3040/2250	**1@1/2**	0.62	0.40	86
E60002#50	60”	3800/2815	3230/2390	4375/3240	**2@1/2**	1.25	0.80	148
E72002#50	72”	3800/2815	3040/2250	4920/3645	**2@1/2**	1.25	0.80	148
E76002#50	76”	3800/2815	2965/2195	5070/3755	**2@1/2**	1.25	0.80	152
E84002#50	84”	3800/2815	2910/2155	5500/4070	**2@1/2**	1.25	0.80	160
E96002#50	96”	3800/2815	2815/2085	6080/4500	**2@1/2**	1.25	0.80	172
E10803#50	108”	3800/2815	3040/2250	7380/5465	**3@1/2**	1.87	1.20	222
E12003#50	120”	3800/2815	2950/2184	7960/5890	**3@1/2**	1.87	1.20	234
E13203#50	132”	3800/2815	2875/2130	8540/6320	**3@1/2**	1.87	1.20	246
E14403#50	144”	3800/2815	2815/2085	9120/6750	**3@1/2**	1.87	1.20	258

*** Optional voltages available - 208 - 230/ 460 volt 3-phase and 50 Hz voltages.**
 # - Indicate Voltage: 1 = 120/1, 2 = 220/1, 3 = 208/3, 4 = 230/3, 5 = 460/3

MODEL NUMBER	WIDTH	AIR DELIVERY @ NOZZLE OUTLET: MAX VELOCITY (FPM) HI/LOW	AVG VELOCITY (FPM) HI/LOW	AVG. AIR FLOW RATE (CFM) HI/LOW	#MOTORS @ H.P.	INPUT POWER RATING (KW)* 1-PH	3-PH	APPROX. SHIPPING WEIGHT (LBS)
3/4 HP MODELS								
E36001#75	36”	4850/3590	3880/2875	3140/2325	**1@3/4**	0.94	1.20	83
E38001#75	38”	4850/3590	3790/2805	3240/2400	**1@3/4**	0.94	1.20	86
E42001#75	42”	4850/3590	3685/2730	3480/2575	**1@3/4**	0.94	1.20	89
E48001#75	48”	4850/3590	3595/2660	3880/2875	**1@3/4**	0.94	1.20	96
E60001#75	60”	4850/3590	3395/2510	4580/3390	**1@3/4**	1.87	2.39	112
E72002#75	72”	4850/3590	3880/2875	6280/4650	**2@3/4**	1.87	2.39	166
E76002#75	76”	4850/3590	3790/2805	6480/4795	**2@3/4**	1.87	2.39	172
E84002#75	84”	4850/3590	3715/2750	7020/5195	**2@3/4**	1.87	2.39	179
E96002#75	96”	4850/3590	3595/2660	7760/5745	**2@3/4**	1.87	2.39	192
E10803#75	108”	4850/3590	3880/2875	9420/6975	**3@3/4**	2.81	3.59	249
E12003#75	120”	4850/3590	3765/2790	10160/7520	**3@3/4**	2.81	3.59	262
E13203#75	132”	4850/3590	3670/2720	10900/8070	**3@3/4**	2.81	3.59	275
E14403#75	144”	4850/3590	3595/2660	11640/8615	**3@3/4**	2.81	3.59	288