ARCHITECTURAL ELITE 8
Electric Heated Air Curtain
Data Sheet

For Mounting Heights To 8' (environmental separation)

STANDARD CONSTRUCTION

- 11" high x 23" deep
- 1/5 hp EC motor(s)
- Intelliswitch™ digital controller - ten speeds
- Berner AIR™ (smart controller & app) includes BACnet
- Cabinet: Brushed Stainless Steel, Grade 304 or better
- Bottom Panel: Clear satin anodized aluminum (Optional: White Aluminum, Custom Color or Stainless)
- Wall or Top Mounting
- High efficiency, low noise, articulating Pro-V Nozzle
- Single stage electric heater (open element)
- Alternate kW: see sheet EP-222E
- Filter (washable)
- Optional: Rear cover for top mounting to conceal fasteners

Energy Codes ASHRAE 90.1-2019, IECC 2018, and ASHRAE 189.1 vestibule exception validated by AMCA certification.
Refer to Velocity Projection Chart below for information.

Berner International certifies that the air curtains shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. Rated data shown is for base (electric heated) units. The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.

2 Year Limited Warranty

Made in USA

indoor use

FDA RECOMMENDED

USDA COMPLIANCE

MODEL	Nozzle Width (in)	Max Vel. at Nozzle (fpm)	Avg. Outlet Vel. (fpm)	Air Volume (cfm)	Outlet Vel. Uniformity	Power Rating (kW)	Motor(s) @ hp	Max Electric Capacity (kW)	Heater Output (MBH)	Air Temp. Rise (°F)	Net Wt. (lbs)
AE08-E-1036E	36.00	2,312	1,607	904	53%	0.25	1 @ 1/5	10.0	34.1	35°	57
AE08-E-1042E	42.00	2,004	1,681	1,103	56%	0.29	1 @ 1/5	10.0	34.1	29°	64
AE08-E-1048E	48.00	2,258	1,725	1,294	57%	0.37	1 @ 1/5	14.4	49.1	35°	71
AE08-E-1060E	60.00	2,189	1,790	1,678	61%	0.43	1 @ 1/5	14.4	49.1	27°	86
AE08-E-1072E	72.00	2,019	1,758	1,978	71%	0.50	1 @ 1/5	20.0	68.3	32°	100
AE08-E-2084E	84.00	2,004	1,681	2,206	56%	0.58	2 @ 1/5	20.0	68.3	29°	127
AE08-E-2096E	96.00	2,258	1,725	2,588	57%	0.74	2 @ 1/5	28.8	98.3	35°	142
AE08-E-2108E	108.00	2,258	1,761	2,972	57%	0.80	2 @ 1/5	28.8	98.3	30°	156
AE08-E-2120E	117.00	2,189	1,836	3,356	61%	0.86	2 @ 1/5	28.8	98.3	27°	167

See sheet EP-222E for amp draws/total load requirements and alternate kW.
600/3/60 power supply includes extended cabinet, See drawing AE08-E-ELE-TR.
NOTE: Single Point Power Connection – consult factory.

MODEL NUMBER CONFIGURATION

AE08-E-1 036 E B-100-EC-WCA -TB-SA

Series	Version	# of Motors	Opening Width	Heat	Voltage	kW	Motor Type	Control	Opt. Display	Material/Finish: Cabinet	Material/Finish: Bottom Panel
AE08	E	1, 2	036" - 120"	E=Electric Heated	B=208/1/60* J=240/1/60* V=220/1/50* W=277/1/60* K=120/480 L=120/600 S=208/480 M=208/600 U=240/480 N=240/600 X=208/3/60 Y=240/3/60 WZ = 480/3/60** L-XI = 600/3/60 † O = 380/3/50**	10.0 - 28.8 (100 - 288) *See sheet EP-222E for alternate kW code*	EC Motor	WCA= Berner AIR™ *smart control*	Remote Touchscreen	S=Stainless (std) A= Anod Alum C=Custom Color	A=Anod Alum (std) S=Stainless C=Custom Color

*B - Max 16.2 kW
*J and V - Max 16.2 kW or 20 kW based on # motors
*W - Max 21.6 kW
**Power Supply requires 4-wire system (w/ neutral)
† Add 5" to cabinet width for transformer
See sheet EP-222 for available lengths and voltages

VELOCITY PROJECTION: Model AE08-E-1036E			
Distance from Nozzle (in)	40	80	120
Core Velocity (fpm)	1413	1011	804
Uniformity (%)	72%	91%	92%

ASHRAE 90.1-2019 vestibule exception requires, *"a jet velocity of not less than 6.6 feet per second (2.0 m/s; 400 fpm) at 6.0 in (15 cm) above the floor."*

Sound level measured 10' (3m) from the unit in free field:
1 motor: Min./Max. Speed: 50/53 dBA
2 motors: Min./Max. Speed: 53/56 dBA

Sound data is not AMCA certified.

Berner reserves the right to alter specifications without prior notice.

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