



ARCHITECTURAL ELITE 8

Electric Heated Air Curtain

Data Sheet

Recommended for Mounting Heights to 8' (environmental separation)

STANDARD CONSTRUCTION

- 11" high x 23" deep
- 1/5 hp EC motor(s)
- Intelliswitch™ digital controller, includes Berner AIR™ BMS (smart control and BACnet & Modbus)
- Cabinet: Brushed stainless steel, grade 304 (Optional: Anodized aluminum or Custom Color)
- Bottom Panel: Clear satin anodized aluminum (Optional: Custom Color or Stainless Steel)
- 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)

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 here-in 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**



indoor use



Options

- Rear cover for top mounting to conceal fasteners

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	2,251	1,691	951	84%	0.20	1 @ 1/5	10.0	34.1	33°	57
AE08-E-1042E	42.00	2,317	1,728	1,134	83%	0.23	1 @ 1/5	10.0	34.1	28°	64
AE08-E-1048E	48.00	2,335	1,779	1,334	81%	0.26	1 @ 1/5	14.4	49.1	34°	71
AE08-E-1060E	59.00	2,189	1,808	1,667	81%	0.32	1 @ 1/5	14.4	49.1	27°	86
AE08-E-1072E	72.00	2,149	1,582	1,780	84%	0.32	1 @ 1/5	20.0	68.3	35°	100
AE08-E-2078E	78.00	2,317	1,711	2,085	83%	0.42	2 @ 1/5	20.0	68.3	30°	127
AE08-E-2084E	84.00	2,317	1,728	2,268	83%	0.45	2 @ 1/5	20.0	68.3	28°	127
AE08-E-2096E	96.00	2,335	1,779	2,668	81%	0.52	2 @ 1/5	28.8	98.3	34°	142
AE08-E-2108E	108.00	2,335	1,778	3,001	81%	0.58	2 @ 1/5	28.8	98.3	30°	156
AE08-E-2120E	118.00	2,189	1,808	3,334	81%	0.64	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-CM -D-R-SA

Series	Version	# of Motors	Opening Width	Heat	Voltage	kW	Motor Type	Berner AIR	Opt. Interconnect	Opt. Display	Material / Finish				
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)	EC Motor	CM=BMS	D=Physical Data Link (daisy chain)	R=Remote Display TB=Tablet	<table><tr><th>Cabinet</th><th>Bottom Panel</th></tr><tr><td>S=Stainless (std) A= Anod Alum C=Custom Color</td><td>A=Anod Alum (std) S=Stainless C=Custom Color</td></tr></table>	Cabinet	Bottom Panel	S=Stainless (std) A= Anod Alum C=Custom Color	A=Anod Alum (std) S=Stainless C=Custom Color
Cabinet	Bottom Panel														
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See sheet EP-222E for alternate kW code															
for Standard offering, leave options (Opt.) blank															

VELOCITY PROJECTION: Model AE08-E-1036E

*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)	970	710	605
Uniformity (%)	91%	89%	92%

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.

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."

Berner reserves the right to alter specifications without prior notice.

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DS-222E
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