



ARCHITECTURAL ELITE 10

Electric Heated Air Curtain

Data Sheet

Recommended for Mounting Heights to 10' (environmental separation)

Vestibule Exception for Energy Codes ASHRAE 90.1-2019, IECC 2018, and ASHRAE 189.1, validated by AMCA certification.

VELOCITY PROJECTION: Model AE10-F-1036E				
Distance from Nozzle (in)	40	80	120	160
Core Velocity (fpm)	1180	895	887	760
Uniformity (%)	83%	84%	92%	97%

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



2 Year
Limited
Warranty

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.



indoor use



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)
AE10-F-1036E	36.00	3,552	1,968	1,353	80%	0.45	1 @ ½	14	47.8	33°	106
AE10-F-1042E	42.00	3,543	1,773	1,422	82%	0.47	1 @ ½	14	47.8	31°	118
AE10-F-1048E	48.00	3,919	1,927	1,766	92%	0.63	1 @ ½	14	47.8	25°	131
AE10-F-1060E	59.00	4,087	1,594	1,796	86%	0.59	1 @ ½	14	47.8	25°	174
AE10-F-2072E	72.00	3,552	1,968	2,706	80%	0.90	2 @ ½	28	95.6	33°	212
AE10-F-2078E	78.00	3,552	1,863	2,775	80%	0.92	2 @ ½	28	95.6	32°	224
AE10-F-2084E	84.00	3,543	1,773	2,844	82%	0.94	2 @ ½	28	95.6	31°	236
AE10-F-2096E	96.00	3,919	1,927	3,532	92%	1.26	2 @ ½	28	95.6	25°	262
AE10-F-2108E	108.00	4,087	1,727	3,562	86%	1.22	2 @ ½	28	95.6	25°	305
AE10-F-2120E	118.00	4,087	1,594	3,592	86%	1.18	2 @ ½	28	95.6	25°	348
AE10-F-3132E	132.00	3,919	1,938	4,885	80%	1.71	3 @ ½	42	143.3	27°	368
AE10-F-3144E	144.00	3,919	1,927	5,298	92%	1.89	3 @ ½	42	143.3	25°	393

See sheet EP-232E-EC for amp draws/total load requirements.

600/3/60 power supply includes extended cabinet, See drawing AE10-F-ELE-600.

NOTE: Single Point Power Connection – consult factory.

MODEL NUMBER CONFIGURATION

AE10-F-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	
AE10	F	1, 2, 3	036" - 144"	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	Cabinet	Bottom Panel
											S=Stainless (std) A= Anod Alum C=Custom Color	A=Anod Alum (std) S=Stainless C=Custom Color

STANDARD CONSTRUCTION

- 14 1/2" high x 28 1/4" deep
- 1/2 hp EC motor(s)
- Intelliswitch™ digital controller,
- includes Berner AIR™ BMS (smart control and BACnet & Modbus)
- Cabinet: Brushed stainless steel, grade 304
- Bottom Panel: Clear satin anodized aluminum
- Wall or Top Mounting
- High efficiency, low noise, articulating Pro-V Nozzle
- Patented single stage venturi electric heater (open element)
- Alternate kW: see sheet EP-232E
- Filter (washable)

Options

- Custom Color or Stainless
- Rear cover for top mounting to conceal fasteners

for Standard offering, leave options (Opt.) blank

Sound level measured 10' (3m) from the unit in free field:
1 motor: Min./Max. Speed: 53/56 dBA
2 motors: Min./Max. Speed: 56/59 dBA
3 motors: Min./Max. Speed: 59/61 dBA

Sound data is not AMCA certified.

Berner reserves the right to alter specifications without prior notice.

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DS-232E
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