



ARCHITECTURAL ELITE 10

Ambient (Unheated) Air Curtain

Data Sheet

Recommended for Mounting Heights to 10' (environmental separation) and 8' (insect control)

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

VELOCITY PROJECTION: Model AE10-F-1036A

Distance from Nozzle (in)	40	80	120	160
Core Velocity (fpm)	1454	971	918	748
Uniformity (%)	88%	91%	92%	95%

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."



5 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 (unheated) 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	Net Wt. (lbs)
AE10-F-1036A	36.00	3,440	2,071	1,424	80%	0.51	1 @ 1/2	100
AE10-F-1042A	42.00	3,711	1,849	1,483	82%	0.52	1 @ 1/2	112
AE10-F-1048A	48.00	3,975	1,973	1,809	92%	0.63	1 @ 1/2	125
AE10-F-1060A	59.00	3,803	1,619	1,824	82%	0.61	1 @ 1/2	168
AE10-F-2072A	72.00	3,440	2,071	2,848	80%	1.02	2 @ 1/2	200
AE10-F-2078A	78.00	3,711	1,952	2,907	80%	1.03	2 @ 1/2	212
AE10-F-2084A	84.00	3,711	1,849	2,966	82%	1.04	2 @ 1/2	224
AE10-F-2096A	96.00	3,975	1,973	3,618	92%	1.26	2 @ 1/2	250
AE10-F-2108A	108.00	3,975	1,761	3,633	82%	1.24	2 @ 1/2	293
AE10-F-2120A	118.00	3,803	1,619	3,648	82%	1.22	2 @ 1/2	336
AE10-F-3132A	132.00	3,975	2,000	5,042	80%	1.77	3 @ 1/2	350
AE10-F-3144A	144.00	3,975	1,973	5,427	92%	1.89	3 @ 1/2	375

See sheet EP-230E-EC for amp draws/total load requirements.
600/3/60 power supply includes extended cabinet, See drawing AE10-F-AMB-600

MODEL NUMBER CONFIGURATION

AE10-F-1 036 A A-EC-CM -D-R-SA

Series	Version	# of Motors	Opening Width	Heat	Voltage	Motor Type	Berner AIR	Opt. Interconnect	Opt. Display	Material / Finish	
AE10	F	1, 2, 3	036" - 144"	A=Ambient	A=120/1/60* B=208/1/60 J=240/1/60 V=220/1/50 W=277/1/60 A-XI=600/3/60 †	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
- Filter (washable)

Options

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

*Suitable for 50 Hz
† Add 12" to cabinet width for transformer

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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