



# ARCHITECTURAL ELITE 10

## Ambient (Unheated) Air Curtain

### Data Sheet

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

#### 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

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 (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.

5 Year  
Limited  
Warranty



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-E-1036A | 36.00             | 3,440                    | 2,071                  | 1,424            | 80%                    | 0.51              | 1 @ 1/2       | 100           |
| AE10-E-1042A | 42.00             | 3,711                    | 1,849                  | 1,483            | 82%                    | 0.52              | 1 @ 1/2       | 112           |
| AE10-E-1048A | 48.00             | 3,975                    | 1,973                  | 1,809            | 92%                    | 0.63              | 1 @ 1/2       | 125           |
| AE10-E-1060A | 59.00             | 3,803                    | 1,619                  | 1,824            | 82%                    | 0.61              | 1 @ 1/2       | 168           |
| AE10-E-2072A | 72.00             | 3,440                    | 2,071                  | 2,848            | 80%                    | 1.02              | 2 @ 1/2       | 200           |
| AE10-E-2078A | 78.00             | 3,711                    | 1,952                  | 2,907            | 80%                    | 1.03              | 2 @ 1/2       | 212           |
| AE10-E-2084A | 84.00             | 3,711                    | 1,849                  | 2,966            | 82%                    | 1.04              | 2 @ 1/2       | 224           |
| AE10-E-2096A | 96.00             | 3,975                    | 1,973                  | 3,618            | 92%                    | 1.26              | 2 @ 1/2       | 250           |
| AE10-E-2108A | 108.00            | 3,975                    | 1,761                  | 3,633            | 82%                    | 1.24              | 2 @ 1/2       | 293           |
| AE10-E-2120A | 118.00            | 3,803                    | 1,619                  | 3,648            | 82%                    | 1.22              | 2 @ 1/2       | 336           |
| AE10-E-3132A | 132.00            | 3,975                    | 2,000                  | 5,042            | 80%                    | 1.77              | 3 @ 1/2       | 350           |
| AE10-E-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-E-AMB-600

### MODEL NUMBER CONFIGURATION

#### AE10-E-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   | E       | 1, 2, 3     | 036" - 144"   | A=Ambient | A=120/1/60*<br>B=208/1/60<br>J=240/1/60<br>V=220/1/50<br>W=277/1/60<br>A-XI=600/3/60 † | EC Motor   | CM=BMS     | D=Physical Data Link (daisy chain) | R=Remote Display<br>TB=Tablet | Cabinet  | Bottom Panel                                       |
|        |         |             |               |           |  |            |            |                                    |                               | S=Stainless (std)<br>A=Anod Alum<br>C=Custom Color | A=Anod Alum (std)<br>S=Stainless<br>C=Custom Color |

\*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.

| VELOCITY PROJECTION: Model AE10-E-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 (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-230E  
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