### STANDARD CONSTRUCTION
- 12 ¾” high x 25 ¾” deep
- 1/2 hp motor(s) - ten speeds
- Factory installed Intelliswitch™ digital controller
- Clear satin anodized aluminum exterior
- Wall or Top Mounting
- High efficiency, low noise, articulating, three vane, Pro-V Nozzle
- Filter (washable)

### OPTIONS
- 1/2 hp EC motor(s) - ten speeds
- Custom Color or Stainless
- Rear cover for top mounting to conceal fasteners
- Berner AIR™ (smart controller & app, includes BACnet)

### MODEL NUMBER CONFIGURATION

**AC10-E-1036A**
- **Nozzle Width** (in): 36.00
- **Max Vel. at Nozzle (fpm)**: 3,440
- **Avg. Outlet Vel. (fpm)**: 2,071
- **Air Volume (cfm)**: 1,424
- **Outlet Vel. Uniformity**: 80%
- **Power Rating (kW)**: 0.51
- **Motor(s) @ hp**: 1 @ ½
- **Net Wt. (lbs)**: 82

**AC10-E-1042A**
- **Nozzle Width** (in): 42.00
- **Max Vel. at Nozzle (fpm)**: 3,711
- **Avg. Outlet Vel. (fpm)**: 1,849
- **Air Volume (cfm)**: 1,483
- **Outlet Vel. Uniformity**: 82%
- **Power Rating (kW)**: 0.52
- **Motor(s) @ hp**: 1 @ ½
- **Net Wt. (lbs)**: 91

**AC10-E-1048A**
- **Nozzle Width** (in): 48.00
- **Max Vel. at Nozzle (fpm)**: 3,975
- **Avg. Outlet Vel. (fpm)**: 1,973
- **Air Volume (cfm)**: 1,809
- **Outlet Vel. Uniformity**: 92%
- **Power Rating (kW)**: 0.63
- **Motor(s) @ hp**: 1 @ ½
- **Net Wt. (lbs)**: 107

**AC10-E-1060A**
- **Nozzle Width** (in): 59.00
- **Max Vel. at Nozzle (fpm)**: 3,803
- **Avg. Outlet Vel. (fpm)**: 1,619
- **Air Volume (cfm)**: 1,824
- **Outlet Vel. Uniformity**: 82%
- **Power Rating (kW)**: 0.61
- **Motor(s) @ hp**: 1 @ ½
- **Net Wt. (lbs)**: 116

**AC10-E-2072A**
- **Nozzle Width** (in): 72.00
- **Max Vel. at Nozzle (fpm)**: 3,440
- **Avg. Outlet Vel. (fpm)**: 2,071
- **Air Volume (cfm)**: 2,848
- **Outlet Vel. Uniformity**: 80%
- **Power Rating (kW)**: 1.02
- **Motor(s) @ hp**: 2 @ ½
- **Net Wt. (lbs)**: 164

**AC10-E-2084A**
- **Nozzle Width** (in): 84.00
- **Max Vel. at Nozzle (fpm)**: 3,711
- **Avg. Outlet Vel. (fpm)**: 1,849
- **Air Volume (cfm)**: 2,966
- **Outlet Vel. Uniformity**: 82%
- **Power Rating (kW)**: 1.04
- **Motor(s) @ hp**: 2 @ ½
- **Net Wt. (lbs)**: 182

**AC10-E-2096A**
- **Nozzle Width** (in): 96.00
- **Max Vel. at Nozzle (fpm)**: 3,975
- **Avg. Outlet Vel. (fpm)**: 1,973
- **Air Volume (cfm)**: 3,618
- **Outlet Vel. Uniformity**: 92%
- **Power Rating (kW)**: 1.26
- **Motor(s) @ hp**: 2 @ ½
- **Net Wt. (lbs)**: 214

**AC10-E-2108A**
- **Nozzle Width** (in): 108.00
- **Max Vel. at Nozzle (fpm)**: 3,975
- **Avg. Outlet Vel. (fpm)**: 1,761
- **Air Volume (cfm)**: 3,633
- **Outlet Vel. Uniformity**: 82%
- **Power Rating (kW)**: 1.24
- **Motor(s) @ hp**: 2 @ ½
- **Net Wt. (lbs)**: 223

**AC10-E-2120A**
- **Nozzle Width** (in): 118.00
- **Max Vel. at Nozzle (fpm)**: 3,803
- **Avg. Outlet Vel. (fpm)**: 1,619
- **Air Volume (cfm)**: 3,648
- **Outlet Vel. Uniformity**: 82%
- **Power Rating (kW)**: 1.22
- **Motor(s) @ hp**: 2 @ ½
- **Net Wt. (lbs)**: 232

**AC10-E-3132A**
- **Nozzle Width** (in): 132.00
- **Max Vel. at Nozzle (fpm)**: 3,975
- **Avg. Outlet Vel. (fpm)**: 2,000
- **Air Volume (cfm)**: 5,042
- **Outlet Vel. Uniformity**: 80%
- **Power Rating (kW)**: 1.77
- **Motor(s) @ hp**: 3 @ ½
- **Net Wt. (lbs)**: 296

**AC10-E-3144A**
- **Nozzle Width** (in): 144.00
- **Max Vel. at Nozzle (fpm)**: 3,975
- **Avg. Outlet Vel. (fpm)**: 1,973
- **Air Volume (cfm)**: 5,427
- **Outlet Vel. Uniformity**: 92%
- **Power Rating (kW)**: 1.89
- **Motor(s) @ hp**: 3 @ ½
- **Net Wt. (lbs)**: 321

600/3/60 power supply includes extended cabinet. See drawing AC10-E-AMB-600

**NOTE:** Operation of standard motor (AC) at 50Hz will generate a 17% reduction in performance; no reduction for optional EC motors.

### VELOCITY PROJECTION: Model AC10-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 (400 fpm; 2.0 m/s) at 6.0 in (15 cm) above the floor.”**

Berner reserves the right to alter specifications without prior notice.
## Electrical Performance Sheet

**Model:** ARCHITECTURAL CONTOUR 10 - AC MOTORS

**Ambient (Unheated) Air Curtain**

### Electrical Performance

<table>
<thead>
<tr>
<th>MODEL</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
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600/3/60 (voltage code A-XI)

**XFMR 600/120 1 kVA per MTR @ 1.7 each**

**MOTOR AMP DRAW = 6.6 each @ 120V**

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<th>MODEL</th>
<th># CKTS</th>
<th>AMPS PER CIRCUIT</th>
<th>BREAKER RATING PER CIRCUIT</th>
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**220/1/50 (voltage code V)**

**MOTOR AMP DRAW = 4.3 each**

**208/1/60 (voltage code B)**

**MOTOR AMP DRAW = 4.3 each**

**240/1/60 (voltage code J)**

**MOTOR AMP DRAW = 4.3 each**

**277/1/60 (voltage code W)**

**MOTOR AMP DRAW = 6.6 each @ 120V**

**240/1/60 (voltage code J) or 220/1/50 (voltage code V)**

**MOTOR AMP DRAW = 4.3 each**

**600/3/60 (voltage code A-XI)**

**XFMR 600/120 1 kVA per MTR @ 1.7 each**

**MOTOR AMP DRAW = 6.6 each @ 120V**

* Consult Factory

Berner reserves the right to alter specifications without prior notice.

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**www.berner.com**  **Berner International**  **800.245.4455**

111 Progress Ave. / New Castle / PA / 16101 / USA

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<table>
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120/1/60 (voltage code A) MOTOR AMP DRAW = 6.6 each

208/1/60 (voltage code B) MOTOR AMP DRAW = 4.1 each

240/1/60 (voltage code J) or 220/1/50 (voltage code V) MOTOR AMP DRAW = 4.1 each

600/3/60 (voltage code A-XI) XFMR 600/120 1 kVA per MTR @ 1.7 each MOTOR AMP DRAW= 6.6 each @ 120V

277/1/60 (voltage code W) MOTOR AMP DRAW = 3.6 each

Berner reserves the right to alter specifications without prior notice.
AC10-E AMBIENT [UNHEATED] SYSTEM: 120 - 277V

TOP VIEW

UNIT WALL MOUNTING BRACKET AND SPACER ARE REMOVABLE FOR TOP MOUNTING

WALL MOUNTING BRACKET

POWER SUPPLY - 1/2 STANDARD (2H OPTIONAL)

ANTENNA FOR OPTIONAL WIFI

DISCONNECT - (2H BASED ON NUMBER OF CIRCUITS LOCKABLE (OPTIONAL))

WIRING COMPARTMENT COVER (TYPE)

1/4-20 THREADED INSERT FOR TOP MOUNTING (4 TYPE)

INTAKE SCREEN SCREWS (TYPE)

PERFORATED INTAKE SCREEN(S) W/ALUMINUM RE-CLEANABLE FILTERS

FRONT VIEW

HUNGING FOR OPTIONAL LOCKABLE DISCONNECT

BOTTOM VIEW

HINGED REMOVABLE BOTTOM COVER

INTELLISWITCH DISPLAY

ADJUSTABLE NOZZLE VARES

UNIT WIDTH - "C"

NOZZLE WIDTH - "A"

MOUNTING WIDTH - "B"

UNIT WALL MOUNTING BRACKET

WALL MOUNT BRACKET

REAR DECORATIVE COVER REPLACES WALL BRACKET (OPTIONAL)

END VIEW

UNIT WALL MOUNT BRACKET

AIR FLOW

AIR FLOW

HINGED REMOVABLE BOTTOM COVER

NOTES:

1. AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF θ.
2. ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
3. FIELD VERIFY DIMENSIONS.
4. ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
5. ADEQUACY OF SUPPORTING STRUCTURE TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
6. THE LAST CHARACTER IN THE MODEL NUMBER - "A" DESIGNATES AMBIENT (UNHEATED) UNIT.
7. DIMENSIONS IN INCHES [CENTIMETERS].

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<th>MOUNTING WIDTH &quot;B&quot;</th>
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