



# ARCHITECTURAL CONTOUR 8

## Electric Heated Air Curtain

### Data Sheet

Recommended for Mounting Heights to 8' (environmental separation) and 7' (insect control)

**Vestibule Exception for the ASHRAE 90.1-2019, IECC 2018, and ASHRAE 189.1 Energy Codes, require a velocity projection tested in accordance with AMCA 220 of not less than 6.6 feet per second (400 fpm or 2.0 m/s) at 6.0 in (15 cm) above the floor.**

#### VELOCITY PROJECTION: Model AC08-F-1036E

| Distance from Nozzle (in) | 40  | 80  | 120 |
|---------------------------|-----|-----|-----|
| Core Velocity (fpm)       | 970 | 710 | 605 |
| Uniformity (%)            | 91% | 89% | 92% |



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.

2 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 | Max Electric Capacity (kW) | Heater Output (MBH) | Air Temp. Rise (°F) | Net Wt. (lbs) |
|--------------|-------------------|--------------------------|------------------------|------------------|------------------------|-------------------|---------------|----------------------------|---------------------|---------------------|---------------|
| AC08-F-1036E | 36.00             | 2,251                    | 1,691                  | 951              | 84%                    | 0.20              | 1 @ 1/5       | 10.0                       | 34.1                | 33°                 | 48            |
| AC08-F-1042E | 42.00             | 2,317                    | 1,728                  | 1,134            | 83%                    | 0.23              | 1 @ 1/5       | 10.0                       | 34.1                | 28°                 | 53            |
| AC08-F-1048E | 48.00             | 2,335                    | 1,779                  | 1,334            | 81%                    | 0.26              | 1 @ 1/5       | 14.4                       | 49.1                | 34°                 | 58            |
| AC08-F-1060E | 59.00             | 2,189                    | 1,808                  | 1,667            | 81%                    | 0.32              | 1 @ 1/5       | 14.4                       | 49.1                | 27°                 | 69            |
| AC08-F-1072E | 72.00             | 2,149                    | 1,582                  | 1,780            | 84%                    | 0.32              | 1 @ 1/5       | 20.0                       | 68.3                | 35°                 | 84            |
| AC08-F-2078E | 78.00             | 2,317                    | 1,711                  | 2,085            | 83%                    | 0.42              | 2 @ 1/5       | 20.0                       | 68.3                | 30°                 | 84            |
| AC08-F-2084E | 84.00             | 2,317                    | 1,728                  | 2,268            | 83%                    | 0.45              | 2 @ 1/5       | 20.0                       | 68.3                | 28°                 | 106           |
| AC08-F-2096E | 96.00             | 2,335                    | 1,779                  | 2,668            | 81%                    | 0.52              | 2 @ 1/5       | 28.8                       | 98.3                | 34°                 | 116           |
| AC08-F-2108E | 108.00            | 2,335                    | 1,778                  | 3,001            | 81%                    | 0.58              | 2 @ 1/5       | 28.8                       | 98.3                | 30°                 | 127           |
| AC08-F-2120E | 118.00            | 2,189                    | 1,808                  | 3,334            | 81%                    | 0.64              | 2 @ 1/5       | 28.8                       | 98.3                | 27°                 | 138           |

See sheets EP-262E-AC & EP-262E-EC for amp draws/total load requirements and alternate kW.  
600/3/60 power supply includes transformer housing, See drawing AC08-F-ELE-600

#### NOTES:

- Operation of standard motor (AC) at 50Hz will generate a 17% reduction in performance; no reduction for optional EC motors.
- Single Point Power Connection – consult factory.

## MODEL NUMBER CONFIGURATION

AC08-F-1 036 E B-100-AC -CB-D-R-SS

| Series | Version | # of Motors | Opening Width | Heat              | Voltage                                                                                                                                                                                                                                                               | Standard kW                                                              | Motor Type             | Berner AIR                       | Opt. Data Link                        | Opt. Display                  | Opt. Cabinet Finish                   |
|--------|---------|-------------|---------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------|----------------------------------|---------------------------------------|-------------------------------|---------------------------------------|
| AC08   | F       | 1, 2        | 036" - 120"   | E=Electric Heated | AC & EC motors<br>B = 208/1/60*<br>J = 240/1/60*<br>V = 230/1/50*<br>K = 120/480<br>L = 120/600<br>S = 208/480<br>M = 208/600<br>U = 240/480<br>N = 240/600<br>X = 208/3/60<br>Y = 240/3/60<br>O = 380/3/50**<br>L-XI = 600/3/60 †<br>W = 277/1/60<br>WZ = 480/3/60** | 10.0 - 28.8<br>(100 - 288)<br><br>See sheet EP-262 for alternate kW code | AC (Std.)<br>EC (Opt.) | CB=BASIC (Std.)<br>CM=BMS (Opt.) | D=Physical Interconnect (daisy chain) | R=Remote Display<br>TB=Tablet | SS=Stainless Steel<br>CC=Custom Color |

#### STANDARD CONSTRUCTION

- 8 1/4" high x 20" deep
- 1/5 hp AC motor(s) - ten speeds
- Touchscreen interface with Intelliswitch™ digital controller, includes Berner AIR® BASIC (smart control)
- Clear satin anodized aluminum exterior
- Wall or Top Mounting
- High efficiency, low noise, articulating, three vane, Pro-V Nozzle
- Single stage electric heater (open element)
- Filter (washable)

#### OPTIONS

- 1/5 hp EC motor(s) - ten speeds
- Alternate kW: see sheet EP-262E
- Berner AIR® BMS (smart control with BACnet and Modbus capabilities)
- Custom Color or Stainless
- Rear cover for top mounting to conceal fasteners

for Standard offering, leave options (Opt.) blank

\*B - Max 16.2 kW  
\*J and V - Max 16.2 kW or 20 kW based on # motors  
\*W - Max 20 kW  
\*\*Power Supply requires 4-wire system (w/ neutral)  
† Add 5" to cabinet width for transformer  
See sheet EP-262 for available lengths and voltages

Sound level measured 10' (3m) from the unit in free field:

1 motor: Min./Max. Speed: 50/55 dBA

2 motors: Min./Max. Speed: 53/58 dBA

Sound data is not AMCA certified.

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DS-262E  
July, 2025



# ARCHITECTURAL CONTOUR 8 - AC MOTORS

## Electric Heated Air Curtain Electrical Performance Sheet

| MODEL                                        | kW<br>(code)  | Temp<br>Rise °F | 208/1/60 (voltage code B)<br>AC MOTOR AMP DRAW = 1.7 each |                                       |                               | 240/1/60 (voltage code J) or<br>230/1/50 (voltage code V)<br>AC MOTOR AMP DRAW = 1.7 each |                                       |                               | 277/1/60 (voltage code W)<br>AC MOTOR AMP DRAW = 2.3 each |                                       |                               |
|----------------------------------------------|---------------|-----------------|-----------------------------------------------------------|---------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------|-----------------------------------------------------------|---------------------------------------|-------------------------------|
|                                              |               |                 | #<br>CKTS                                                 | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT | #<br>CKTS                                                                                 | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT | #<br>CKTS                                                 | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT |
| AC08-F-1036E<br>AC08-F-1042E                 | 10<br>(100)   | 30              | 1                                                         | 49.8                                  | 60                            | 1                                                                                         | 43.4                                  | 60                            | 1                                                         | 38.4                                  | 50                            |
|                                              | 7.5<br>(075)  | 23              | 1                                                         | 37.8                                  | 50                            | 1                                                                                         | 33.0                                  | 45                            | 1                                                         | 29.4                                  | 40                            |
|                                              | 5.6<br>(056)  | 17              | 1                                                         | 28.6                                  | 40                            | 1                                                                                         | 25.0                                  | 35                            | 1                                                         | 22.5                                  | 30                            |
|                                              | 4<br>(040)    | 12              | 1                                                         | 20.9                                  | 30                            | 1                                                                                         | 18.4                                  | 25                            | 1                                                         | 16.7                                  | 25                            |
| AC08-F-1048E<br>AC08-F-1060E                 | 14.4<br>(144) | 33              | 2                                                         | 36.3/34.6                             | 50/45                         | 2                                                                                         | 31.7/30.0                             | 40/40                         | 2                                                         | 28.3/26.0                             | 40/35                         |
|                                              | 10.8<br>(108) | 25              | 2                                                         | 27.7/26.0                             | 35/35                         | 1                                                                                         | 46.7                                  | 60                            | 1                                                         | 41.3                                  | 60                            |
|                                              | 8.1<br>(081)  | 18              | 1                                                         | 40.6                                  | 60                            | 1                                                                                         | 35.5                                  | 45                            | 1                                                         | 31.5                                  | 40                            |
|                                              | 5.6<br>(056)  | 13              | 1                                                         | 28.6                                  | 40                            | 1                                                                                         | 25.0                                  | 35                            | 1                                                         | 22.5                                  | 30                            |
| AC08-F-1072E                                 | 20<br>(200)   | 30              | -                                                         | N/A                                   | N/A                           | 2                                                                                         | 43.4/41.7                             | 60/60                         | 2                                                         | 38.4/36.1                             | 50/50                         |
|                                              | 15<br>(150)   | 23              | 2                                                         | 37.8/36.1                             | 50/50                         | 2                                                                                         | 33.0/31.3                             | 45/40                         | 2                                                         | 29.4/27.1                             | 40/35                         |
|                                              | 11.2<br>(112) | 17              | 2                                                         | 28.6/26.9                             | 40/35                         | 1                                                                                         | 48.4                                  | 60                            | 1                                                         | 42.7                                  | 60                            |
|                                              | 8<br>(080)    | 12              | 1                                                         | 40.2                                  | 60                            | 1                                                                                         | 35.0                                  | 45                            | 1                                                         | 31.2                                  | 40                            |
| AC08-F-2078E<br>AC08-F-2084E                 | 20<br>(200)   | 26              | -                                                         | N/A                                   | N/A                           | -                                                                                         | N/A                                   | N/A                           | 2                                                         | 40.7/36.1                             | 60/50                         |
|                                              | 15<br>(150)   | 20              | 2                                                         | 39.5/36.1                             | 50/50                         | 2                                                                                         | 34.7/31.3                             | 45/40                         | 2                                                         | 31.7/27.1                             | 40/35                         |
|                                              | 11.2<br>(112) | 15              | 2                                                         | 30.3/26.9                             | 40/35                         | 1                                                                                         | 50.1                                  | 60                            | 1                                                         | 45.0                                  | 60                            |
|                                              | 8<br>(080)    | 10              | 1                                                         | 41.9                                  | 60                            | 1                                                                                         | 36.7                                  | 50                            | 1                                                         | 33.5                                  | 45                            |
| AC08-F-2096E<br>AC08-F-2108E<br>AC08-F-2120E | 28.8<br>(288) | 33              | -                                                         | N/A                                   | N/A                           | -                                                                                         | N/A                                   | N/A                           | -                                                         | N/A                                   | N/A                           |
|                                              | 21.6<br>(216) | 25              | -                                                         | N/A                                   | N/A                           | -                                                                                         | N/A                                   | N/A                           | 2                                                         | 43.6/39.0                             | 60/50                         |
|                                              | 16.2<br>(162) | 19              | 2                                                         | 42.3/38.9                             | 60/50                         | 2                                                                                         | 37.2/33.8                             | 50/45                         | 1                                                         | 33.8/29.2                             | 45/40                         |
|                                              | 11.2<br>(112) | 13              | 2                                                         | 30.3/26.9                             | 40/35                         | 2                                                                                         | 26.7/23.3                             | 35/30                         | 1                                                         | 45.0                                  | 60                            |

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# ARCHITECTURAL CONTOUR 8 - AC MOTORS

## Electric Heated Air Curtain

### Electrical Performance Sheet

|                                              |               |                 | 208/3/60 (voltage code X)<br>AC MOTOR AMP DRAW = 1.7 each |                                       |                               | 240/3/60 (voltage code Y)<br>AC MOTOR AMP DRAW = 1.7 each |                                       |                               | 480/3/60 (voltage code WZ) - 4 Wire System<br>AC MOTOR AMP DRAW = 2.3 each @ 277V |                                       |                               | 600/3/60 (voltage code L-XI)<br>XFMR 600/120 0.5kVA per MTR @ 0.8 each<br>AC MOTOR AMP DRAW = 3.4 each @ 120V |                                       |                               |
|----------------------------------------------|---------------|-----------------|-----------------------------------------------------------|---------------------------------------|-------------------------------|-----------------------------------------------------------|---------------------------------------|-------------------------------|-----------------------------------------------------------------------------------|---------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------|
| MODEL                                        | kW<br>(code)  | Temp<br>Rise °F | #<br>CKTS                                                 | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT | #<br>CKTS                                                 | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT | #<br>CKTS                                                                         | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT | #<br>CKTS                                                                                                     | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT |
| AC08-F-1036E<br>AC08-F-1042E                 | 10<br>(100)   | 30              | 1                                                         | 29.5                                  | 40                            | 1                                                         | 25.8                                  | 35                            | 1                                                                                 | 14.3                                  | 20                            | 1                                                                                                             | 10.4                                  | 15                            |
|                                              | 7.5<br>(075)  | 23              | 1                                                         | 22.5                                  | 30                            | 1                                                         | 19.7                                  | 25                            | 1                                                                                 | 11.3                                  | 15                            | 1                                                                                                             | 8.0                                   | 15                            |
|                                              | 5.6<br>(056)  | 17              | 1                                                         | 17.2                                  | 25                            | 1                                                         | 15.2                                  | 20                            | 1                                                                                 | 9.0                                   | 15                            | 1                                                                                                             | 6.2                                   | 15                            |
|                                              | 4<br>(040)    | 12              | 1                                                         | 12.8                                  | 20                            | 1                                                         | 11.3                                  | 15                            | 1                                                                                 | 7.1                                   | 15                            | 1                                                                                                             | 4.6                                   | 15                            |
| AC08-F-1048E<br>AC08-F-1040E                 | 14.4<br>(144) | 33              | 1                                                         | 41.7                                  | 60                            | 1                                                         | 36.3                                  | 50                            | 1                                                                                 | 19.6                                  | 25                            | 1                                                                                                             | 14.7                                  | 20                            |
|                                              | 10.8<br>(108) | 25              | 1                                                         | 31.7                                  | 40                            | 1                                                         | 27.7                                  | 35                            | 1                                                                                 | 15.3                                  | 20                            | 1                                                                                                             | 11.2                                  | 15                            |
|                                              | 8.1<br>(081)  | 19              | 1                                                         | 24.2                                  | 35                            | 1                                                         | 21.2                                  | 30                            | 1                                                                                 | 12.0                                  | 20                            | 1                                                                                                             | 8.6                                   | 15                            |
|                                              | 5.6<br>(056)  | 13              | 1                                                         | 17.2                                  | 25                            | 1                                                         | 15.2                                  | 20                            | 1                                                                                 | 9.0                                   | 15                            | 1                                                                                                             | 6.2                                   | 15                            |
| AC08-F-1072E                                 | 20<br>(200)   | 30              | 2                                                         | 29.5/27.8                             | 40/35                         | 2                                                         | 25.8/24.1                             | 35/35                         | 1                                                                                 | 26.4                                  | 35                            | 1                                                                                                             | 20.0                                  | 30                            |
|                                              | 15<br>(150)   | 23              | 1                                                         | 43.3                                  | 60                            | 1                                                         | 37.8                                  | 50                            | 1                                                                                 | 20.3                                  | 30                            | 1                                                                                                             | 15.2                                  | 20                            |
|                                              | 11.2<br>(112) | 17              | 1                                                         | 32.8                                  | 45                            | 1                                                         | 28.6                                  | 40                            | 1                                                                                 | 15.8                                  | 20                            | 1                                                                                                             | 11.6                                  | 15                            |
|                                              | 8<br>(080)    | 12              | 1                                                         | 23.9                                  | 30                            | 1                                                         | 20.9                                  | 30                            | 1                                                                                 | 11.9                                  | 15                            | 1                                                                                                             | 8.5                                   | 15                            |
| AC08-F-2078E<br>AC08-F-2084E                 | 20<br>(200)   | 26              | 2                                                         | 31.2/27.8                             | 40/35                         | 2                                                         | 27.5/24.1                             | 35/35                         | 1                                                                                 | 28.7                                  | 40                            | 1                                                                                                             | 20.8                                  | 30                            |
|                                              | 15<br>(150)   | 20              | 1                                                         | 45.0                                  | 60                            | 1                                                         | 39.5                                  | 50                            | 1                                                                                 | 22.6                                  | 30                            | 1                                                                                                             | 16.0                                  | 20                            |
|                                              | 11.2<br>(112) | 15              | 1                                                         | 34.5                                  | 45                            | 1                                                         | 30.3                                  | 40                            | 1                                                                                 | 18.1                                  | 25                            | 1                                                                                                             | 12.4                                  | 20                            |
|                                              | 8<br>(080)    | 10              | 1                                                         | 25.6                                  | 35                            | 1                                                         | 22.6                                  | 30                            | 1                                                                                 | 14.2                                  | 20                            | 1                                                                                                             | 9.3                                   | 15                            |
| AC08-F-2096E<br>AC08-F-2108E<br>AC08-F-2120E | 28.8<br>(288) | 33              | 2                                                         | 43.4/40.0                             | 60/50                         | 2                                                         | 38.0/34.6                             | 50/45                         | 1                                                                                 | 39.2                                  | 50                            | 1                                                                                                             | 29.3                                  | 40                            |
|                                              | 21.6<br>(216) | 25              | 2                                                         | 33.4/30.0                             | 45/40                         | 2                                                         | 29.4/26.0                             | 40/35                         | 1                                                                                 | 30.6                                  | 40                            | 1                                                                                                             | 22.4                                  | 30                            |
|                                              | 16.2<br>(162) | 19              | 1                                                         | 48.4                                  | 60                            | 1                                                         | 42.4                                  | 60                            | 1                                                                                 | 24.1                                  | 30                            | 1                                                                                                             | 17.2                                  | 25                            |
|                                              | 11.2<br>(112) | 13              | 1                                                         | 34.5                                  | 45                            | 1                                                         | 30.3                                  | 40                            | 1                                                                                 | 18.1                                  | 25                            | 1                                                                                                             | 12.4                                  | 20                            |

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# ARCHITECTURAL CONTOUR 8 - AC MOTORS

## Electric Heated Air Curtain

### Electrical Performance Sheet

|                                              |               |                 | 120/1/60 - 480/3/60 (voltage code K)<br>120V AC MOTOR AMP DRAW = 3.4 each |                                       |        |                               |        | 208/1/60 - 480/3/60 (voltage code S)<br>208V AC MOTOR AMP DRAW = 1.7 each |                                       |        |                               |        | 240/1/60 - 480/3/60 (voltage code U)<br>240V AC MOTOR AMP DRAW = 1.7 each |                                       |        |                               |        | 380/3/50 (voltage code O) 4 Wire System<br>AC MOTOR AMP DRAW = 1.7 each |                                       |                               |
|----------------------------------------------|---------------|-----------------|---------------------------------------------------------------------------|---------------------------------------|--------|-------------------------------|--------|---------------------------------------------------------------------------|---------------------------------------|--------|-------------------------------|--------|---------------------------------------------------------------------------|---------------------------------------|--------|-------------------------------|--------|-------------------------------------------------------------------------|---------------------------------------|-------------------------------|
| MODEL                                        | kW<br>(code)  | Temp<br>Rise °F | #<br>CKTS                                                                 | AMPS PER CIRCUIT<br>(including motor) |        | BREAKER RATING<br>PER CIRCUIT |        | #<br>CKTS                                                                 | AMPS PER CIRCUIT<br>(including motor) |        | BREAKER RATING<br>PER CIRCUIT |        | #<br>CKTS                                                                 | AMPS PER CIRCUIT<br>(including motor) |        | BREAKER RATING<br>PER CIRCUIT |        | #<br>CKTS                                                               | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT |
|                                              |               |                 |                                                                           | 120V/1                                | 480V/3 | 120V/1                        | 480V/3 |                                                                           | 208V/1                                | 480V/3 | 208V/1                        | 480V/3 |                                                                           | 240V/1                                | 480V/3 | 240V/1                        | 480V/3 |                                                                         |                                       |                               |
| AC08-F-1036E<br>AC08-F-1042E                 | 10<br>(100)   | 30              | 2                                                                         | 3.4                                   | 12.0   | 15                            | 15     | 2                                                                         | 1.7                                   | 12.0   | 15                            | 15     | 2                                                                         | 1.7                                   | 12.0   | 15                            | 15     | 1                                                                       | 16.9                                  | 25                            |
|                                              | 7.5<br>(075)  | 23              | 2                                                                         | 3.4                                   | 9.0    | 15                            | 15     | 2                                                                         | 1.7                                   | 9.0    | 15                            | 15     | 2                                                                         | 1.7                                   | 9.0    | 15                            | 15     | 1                                                                       | 13.1                                  | 20                            |
|                                              | 5.6<br>(056)  | 17              | 2                                                                         | 3.4                                   | 6.7    | 15                            | 15     | 2                                                                         | 1.7                                   | 6.7    | 15                            | 15     | 2                                                                         | 1.7                                   | 6.7    | 15                            | 15     | 1                                                                       | 10.2                                  | 15                            |
|                                              | 4<br>(040)    | 12              | 2                                                                         | 3.4                                   | 6.0    | 15                            | 15     | 2                                                                         | 1.7                                   | 6.0    | 15                            | 15     | 2                                                                         | 1.7                                   | 6.0    | 15                            | 15     | 1                                                                       | 7.8                                   | 15                            |
| AC08-F-1048E<br>AC08-F-1060E                 | 14.4<br>(144) | 33              | 2                                                                         | 3.4                                   | 17.3   | 15                            | 25     | 2                                                                         | 1.7                                   | 17.3   | 15                            | 25     | 2                                                                         | 1.7                                   | 17.3   | 15                            | 25     | 1                                                                       | 23.6                                  | 30                            |
|                                              | 10.8<br>(108) | 25              | 2                                                                         | 3.4                                   | 13.0   | 15                            | 20     | 2                                                                         | 1.7                                   | 13.0   | 15                            | 20     | 2                                                                         | 1.7                                   | 13.0   | 15                            | 20     | 1                                                                       | 18.1                                  | 25                            |
|                                              | 8.1<br>(081)  | 19              | 2                                                                         | 3.4                                   | 9.7    | 15                            | 15     | 2                                                                         | 1.7                                   | 9.7    | 15                            | 15     | 2                                                                         | 1.7                                   | 9.7    | 15                            | 15     | 1                                                                       | 14.0                                  | 20                            |
|                                              | 5.6<br>(056)  | 13              | 2                                                                         | 3.4                                   | 6.7    | 15                            | 15     | 2                                                                         | 1.7                                   | 6.7    | 15                            | 15     | 2                                                                         | 1.7                                   | 6.7    | 15                            | 15     | 1                                                                       | 10.2                                  | 15                            |
| AC08-F-1072E                                 | 20<br>(200)   | 30              | 2                                                                         | 3.4                                   | 24.1   | 15                            | 35     | 2                                                                         | 1.7                                   | 24.1   | 15                            | 35     | 2                                                                         | 1.7                                   | 24.1   | 15                            | 35     | 1                                                                       | 32.1                                  | 45                            |
|                                              | 15<br>(150)   | 23              | 2                                                                         | 3.4                                   | 18.0   | 15                            | 25     | 2                                                                         | 1.7                                   | 18.0   | 15                            | 25     | 2                                                                         | 1.7                                   | 18.0   | 15                            | 25     | 1                                                                       | 24.5                                  | 35                            |
|                                              | 11.2<br>(112) | 17              | 2                                                                         | 3.4                                   | 13.5   | 15                            | 20     | 2                                                                         | 1.7                                   | 13.5   | 15                            | 20     | 2                                                                         | 1.7                                   | 13.5   | 15                            | 20     | 1                                                                       | 18.7                                  | 25                            |
|                                              | 8<br>(080)    | 12              | 2                                                                         | 3.4                                   | 9.6    | 15                            | 15     | 2                                                                         | 1.7                                   | 9.6    | 15                            | 15     | 2                                                                         | 1.7                                   | 9.6    | 15                            | 15     | 1                                                                       | 13.9                                  | 20                            |
| AC08-F-2078E<br>AC08-F-2084E                 | 20<br>(200)   | 26              | 2                                                                         | 6.8                                   | 24.1   | 15                            | 35     | 2                                                                         | 3.4                                   | 24.1   | 15                            | 35     | 2                                                                         | 3.4                                   | 24.1   | 15                            | 35     | 1                                                                       | 33.8                                  | 45                            |
|                                              | 15<br>(150)   | 20              | 2                                                                         | 6.8                                   | 18.0   | 15                            | 25     | 2                                                                         | 3.4                                   | 18.0   | 15                            | 25     | 2                                                                         | 3.4                                   | 18.0   | 15                            | 25     | 1                                                                       | 26.2                                  | 35                            |
|                                              | 11.2<br>(112) | 15              | 2                                                                         | 6.8                                   | 13.5   | 15                            | 20     | 2                                                                         | 3.4                                   | 13.5   | 15                            | 20     | 2                                                                         | 3.4                                   | 13.5   | 15                            | 20     | 1                                                                       | 20.4                                  | 30                            |
|                                              | 8<br>(080)    | 10              | 2                                                                         | 6.8                                   | 9.6    | 15                            | 15     | 2                                                                         | 3.4                                   | 9.6    | 15                            | 15     | 2                                                                         | 3.4                                   | 9.6    | 15                            | 15     | 1                                                                       | 15.6                                  | 20                            |
| AC08-F-2096E<br>AC08-F-2108E<br>AC08-F-2120E | 28.8<br>(288) | 33              | 2                                                                         | 6.8                                   | 34.6   | 15                            | 45     | 2                                                                         | 3.4                                   | 34.6   | 15                            | 45     | 2                                                                         | 3.4                                   | 34.6   | 15                            | 45     | 1                                                                       | 47.2                                  | 60                            |
|                                              | 21.6<br>(216) | 25              | 2                                                                         | 6.8                                   | 26.0   | 15                            | 35     | 2                                                                         | 3.4                                   | 26.0   | 15                            | 35     | 2                                                                         | 3.4                                   | 26.0   | 15                            | 35     | 1                                                                       | 36.2                                  | 45                            |
|                                              | 16.2<br>(162) | 19              | 2                                                                         | 6.8                                   | 19.5   | 15                            | 25     | 2                                                                         | 3.4                                   | 19.5   | 15                            | 25     | 2                                                                         | 3.4                                   | 19.5   | 15                            | 25     | 1                                                                       | 28.0                                  | 35                            |
|                                              | 11.2<br>(112) | 13              | 2                                                                         | 6.8                                   | 13.5   | 15                            | 20     | 2                                                                         | 3.4                                   | 13.5   | 15                            | 20     | 2                                                                         | 3.4                                   | 13.5   | 15                            | 20     | 1                                                                       | 20.4                                  | 30                            |

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# ARCHITECTURAL CONTOUR 8 - AC MOTORS

## Electric Heated Air Curtain Electrical Performance Sheet

|                                              |               |                 | 120/1/60 - 600/3/60 (voltage code L)<br>120V AC MOTOR AMP DRAW = 3.4 each |                                       |        |                               |        | 208/1/60 - 600/3/60 (voltage code M)<br>208V AC MOTOR AMP DRAW = 1.7 each |                                       |        |                               |        | 240/1/60 - 600/3/60 (voltage code N)<br>240V AC MOTOR AMP DRAW = 1.7 each |                                       |        |                               |        |
|----------------------------------------------|---------------|-----------------|---------------------------------------------------------------------------|---------------------------------------|--------|-------------------------------|--------|---------------------------------------------------------------------------|---------------------------------------|--------|-------------------------------|--------|---------------------------------------------------------------------------|---------------------------------------|--------|-------------------------------|--------|
| MODEL                                        | kW<br>(code)  | Temp<br>Rise °F | #<br>CKTS                                                                 | AMPS PER CIRCUIT<br>(including motor) |        | BREAKER RATING<br>PER CIRCUIT |        | #<br>CKTS                                                                 | AMPS PER CIRCUIT<br>(including motor) |        | BREAKER RATING<br>PER CIRCUIT |        | #<br>CKTS                                                                 | AMPS PER CIRCUIT<br>(including motor) |        | BREAKER RATING<br>PER CIRCUIT |        |
|                                              |               |                 |                                                                           | 120V/1                                | 600V/3 | 120V/1                        | 600V/3 |                                                                           | 208V/1                                | 600V/3 | 208V/1                        | 600V/3 |                                                                           | 240V/1                                | 600V/3 | 240V/1                        | 600V/3 |
| AC08-F-1036E<br>AC08-F-1042E                 | 10<br>(100)   | 30              | 2                                                                         | 3.4                                   | 9.6    | 15                            | 15     | 2                                                                         | 1.7                                   | 9.6    | 15                            | 15     | 2                                                                         | 1.7                                   | 9.6    | 15                            | 15     |
|                                              | 7.5<br>(075)  | 23              | 2                                                                         | 3.4                                   | 7.2    | 15                            | 15     | 2                                                                         | 1.7                                   | 7.2    | 15                            | 15     | 2                                                                         | 1.7                                   | 7.2    | 15                            | 15     |
|                                              | 5.6<br>(056)  | 17              | 2                                                                         | 3.4                                   | 5.4    | 15                            | 15     | 2                                                                         | 1.7                                   | 5.4    | 15                            | 15     | 2                                                                         | 1.7                                   | 5.4    | 15                            | 15     |
|                                              | 4<br>(040)    | 12              | 2                                                                         | 3.4                                   | 3.8    | 15                            | 15     | 2                                                                         | 1.7                                   | 3.8    | 15                            | 15     | 2                                                                         | 1.7                                   | 3.8    | 15                            | 15     |
| AC08-F-1048E<br>AC08-F-1060E                 | 14.4<br>(144) | 33              | 2                                                                         | 3.4                                   | 13.9   | 15                            | 20     | 2                                                                         | 1.7                                   | 13.9   | 15                            | 20     | 2                                                                         | 1.7                                   | 13.9   | 15                            | 20     |
|                                              | 10.8<br>(108) | 25              | 2                                                                         | 3.4                                   | 10.4   | 15                            | 15     | 2                                                                         | 1.7                                   | 10.4   | 15                            | 15     | 2                                                                         | 1.7                                   | 10.4   | 15                            | 15     |
|                                              | 8.1<br>(081)  | 19              | 2                                                                         | 3.4                                   | 7.8    | 15                            | 15     | 2                                                                         | 1.7                                   | 7.8    | 15                            | 15     | 2                                                                         | 1.7                                   | 7.8    | 15                            | 15     |
|                                              | 5.6<br>(056)  | 13              | 2                                                                         | 3.4                                   | 5.4    | 15                            | 15     | 2                                                                         | 1.7                                   | 5.4    | 15                            | 15     | 2                                                                         | 1.7                                   | 5.4    | 15                            | 15     |
| AC08-F-1072E                                 | 20<br>(200)   | 30              | 2                                                                         | 3.4                                   | 19.2   | 15                            | 25     | 2                                                                         | 1.7                                   | 19.2   | 15                            | 25     | 2                                                                         | 1.7                                   | 19.2   | 15                            | 25     |
|                                              | 15<br>(150)   | 23              | 2                                                                         | 3.4                                   | 14.4   | 15                            | 20     | 2                                                                         | 1.7                                   | 14.4   | 15                            | 20     | 2                                                                         | 1.7                                   | 14.4   | 15                            | 20     |
|                                              | 11.2<br>(112) | 17              | 2                                                                         | 3.4                                   | 10.8   | 15                            | 15     | 2                                                                         | 1.7                                   | 10.8   | 15                            | 15     | 2                                                                         | 1.7                                   | 10.8   | 15                            | 15     |
|                                              | 8<br>(080)    | 12              | 2                                                                         | 3.4                                   | 7.7    | 15                            | 15     | 2                                                                         | 1.7                                   | 7.7    | 15                            | 15     | 2                                                                         | 1.7                                   | 7.7    | 15                            | 15     |
| AC08-F-2078E<br>AC08-F-2084E                 | 20<br>(200)   | 26              | 2                                                                         | 6.8                                   | 19.2   | 15                            | 25     | 2                                                                         | 3.4                                   | 19.2   | 15                            | 25     | 2                                                                         | 3.4                                   | 19.2   | 15                            | 25     |
|                                              | 15<br>(150)   | 20              | 2                                                                         | 6.8                                   | 14.4   | 15                            | 20     | 2                                                                         | 3.4                                   | 14.4   | 15                            | 20     | 2                                                                         | 3.4                                   | 14.4   | 15                            | 20     |
|                                              | 11.2<br>(112) | 15              | 2                                                                         | 6.8                                   | 10.8   | 15                            | 15     | 2                                                                         | 3.4                                   | 10.8   | 15                            | 15     | 2                                                                         | 3.4                                   | 10.8   | 15                            | 15     |
|                                              | 8<br>(080)    | 10              | 2                                                                         | 6.8                                   | 7.7    | 15                            | 15     | 2                                                                         | 3.4                                   | 7.7    | 15                            | 15     | 2                                                                         | 3.4                                   | 7.7    | 15                            | 15     |
| AC08-F-2096E<br>AC08-F-2108E<br>AC08-F-2120E | 28.8<br>(288) | 33              | 2                                                                         | 6.8                                   | 27.7   | 15                            | 35     | 2                                                                         | 3.4                                   | 27.7   | 15                            | 35     | 2                                                                         | 3.4                                   | 27.7   | 15                            | 35     |
|                                              | 21.6<br>(216) | 25              | 2                                                                         | 6.8                                   | 20.8   | 15                            | 30     | 2                                                                         | 3.4                                   | 20.8   | 15                            | 30     | 2                                                                         | 3.4                                   | 20.8   | 15                            | 30     |
|                                              | 16.2<br>(162) | 19              | 2                                                                         | 6.8                                   | 15.6   | 15                            | 20     | 2                                                                         | 3.4                                   | 15.6   | 15                            | 20     | 2                                                                         | 3.4                                   | 15.6   | 15                            | 20     |
|                                              | 11.2<br>(112) | 13              | 2                                                                         | 6.8                                   | 10.8   | 15                            | 15     | 2                                                                         | 3.4                                   | 10.8   | 15                            | 15     | 2                                                                         | 3.4                                   | 10.8   | 15                            | 15     |

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# ARCHITECTURAL CONTOUR 8 - EC MOTORS

## Electric Heated Air Curtain Electrical Performance Sheet

| MODEL                                        | kW<br>(code)  | Temp<br>Rise °F | 208/1/60 (voltage code B)<br>EC MOTOR AMP DRAW = 2.5 each |                                       |                               | 240/1/60 (voltage code J) or<br>230/1/50 (voltage code V)<br>EC MOTOR AMP DRAW = 2.5 each |                                       |                               | 277/1/60 (voltage code W)<br>EC MOTOR AMP DRAW = 2.2 each |                                       |                               |
|----------------------------------------------|---------------|-----------------|-----------------------------------------------------------|---------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------|-----------------------------------------------------------|---------------------------------------|-------------------------------|
|                                              |               |                 | #<br>CKTS                                                 | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT | #<br>CKTS                                                                                 | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT | #<br>CKTS                                                 | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT |
| AC08-F-1036E<br>AC08-F-1042E                 | 10<br>(100)   | 30              | 1                                                         | 50.6                                  | 60                            | 1                                                                                         | 44.2                                  | 60                            | 1                                                         | 38.3                                  | 50                            |
|                                              | 7.5<br>(075)  | 23              | 1                                                         | 38.6                                  | 50                            | 1                                                                                         | 33.8                                  | 45                            | 1                                                         | 29.3                                  | 40                            |
|                                              | 5.6<br>(056)  | 17              | 1                                                         | 29.4                                  | 40                            | 1                                                                                         | 25.8                                  | 35                            | 1                                                         | 22.4                                  | 30                            |
|                                              | 4<br>(040)    | 12              | 1                                                         | 21.7                                  | 30                            | 1                                                                                         | 19.2                                  | 25                            | 1                                                         | 16.6                                  | 25                            |
| AC08-F-1048E<br>AC08-F-1060E                 | 14.4<br>(144) | 33              | 2                                                         | 37.1/34.6                             | 50/45                         | 2                                                                                         | 32.5/30.0                             | 45/40                         | 2                                                         | 28.2/26.0                             | 40/35                         |
|                                              | 10.8<br>(108) | 25              | 2                                                         | 28.5/26.0                             | 40/35                         | 1                                                                                         | 47.5                                  | 60                            | 1                                                         | 41.2                                  | 60                            |
|                                              | 8.1<br>(081)  | 18              | 1                                                         | 41.4                                  | 60                            | 1                                                                                         | 36.3                                  | 50                            | 1                                                         | 31.4                                  | 40                            |
|                                              | 5.6<br>(056)  | 13              | 1                                                         | 29.4                                  | 40                            | 1                                                                                         | 25.8                                  | 35                            | 1                                                         | 22.4                                  | 30                            |
| AC08-F-1072E                                 | 20<br>(200)   | 30              | -                                                         | N/A                                   | N/A                           | 2                                                                                         | 44.2/41.7                             | 60/60                         | 2                                                         | 38.3/36.1                             | 50/50                         |
|                                              | 15<br>(150)   | 23              | 2                                                         | 38.6/36.1                             | 50/50                         | 2                                                                                         | 33.8/31.3                             | 45/40                         | 2                                                         | 29.3/27.1                             | 40/35                         |
|                                              | 11.2<br>(112) | 17              | 2                                                         | 29.4/26.9                             | 40/35                         | 1                                                                                         | 49.2                                  | 60                            | 1                                                         | 42.6                                  | 60                            |
|                                              | 8<br>(080)    | 12              | 1                                                         | 41.0                                  | 60                            | 1                                                                                         | 35.8                                  | 45                            | 1                                                         | 31.1                                  | 40                            |
| AC08-F-2078E<br>AC08-F-2084E                 | 20<br>(200)   | 26              | -                                                         | N/A                                   | N/A                           | -                                                                                         | N/A                                   | N/A                           | 2                                                         | 40.5/36.1                             | 60/50                         |
|                                              | 15<br>(150)   | 20              | 2                                                         | 41.1/36.1                             | 60/50                         | 2                                                                                         | 36.3/31.3                             | 45/40                         | 2                                                         | 31.5/27.1                             | 40/35                         |
|                                              | 11.2<br>(112) | 15              | 2                                                         | 31.9/26.9                             | 40/35                         | 2                                                                                         | 28.3/23.3                             | 35/30                         | 1                                                         | 44.8                                  | 60                            |
|                                              | 8<br>(080)    | 10              | 1                                                         | 43.5                                  | 60                            | 1                                                                                         | 38.3                                  | 50                            | 1                                                         | 33.3                                  | 45                            |
| AC08-F-2096E<br>AC08-F-2108E<br>AC08-F-2120E | 28.8<br>(288) | 33              | -                                                         | N/A                                   | N/A                           | -                                                                                         | N/A                                   | N/A                           | -                                                         | N/A                                   | N/A                           |
|                                              | 21.6<br>(216) | 25              | -                                                         | N/A                                   | N/A                           | -                                                                                         | N/A                                   | N/A                           | 2                                                         | 43.4/39.0                             | 60/50                         |
|                                              | 16.2<br>(162) | 19              | 2                                                         | 43.9/38.9                             | 60/50                         | 2                                                                                         | 38.8/33.8                             | 50/45                         | 2                                                         | 33.6/29.2                             | 45/40                         |
|                                              | 11.2<br>(112) | 13              | 2                                                         | 31.9/26.9                             | 40/35                         | 2                                                                                         | 28.3/23.3                             | 35/30                         | 1                                                         | 44.8                                  | 60                            |

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# ARCHITECTURAL CONTOUR 8 - EC MOTORS

## Electric Heated Air Curtain

### Electrical Performance Sheet

|                                              |               |                 | 208/3/60 (voltage code X)<br>EC MOTOR AMP DRAW = 2.5 each |                                       |                               | 240/3/60 (voltage code Y)<br>EC MOTOR AMP DRAW = 2.5 each |                                       |                               | 480/3/60 (voltage code WZ) - 4 Wire System<br>EC MOTOR AMP DRAW = 2.2 each @ 277V |                                       |                               | 600/3/60 (voltage code L-XI)<br>XFMR 600/120 0.5kVA per MTR @ 0.8 each<br>EC MOTOR AMP DRAW = 4.4 each @ 120V |                                       |                               |
|----------------------------------------------|---------------|-----------------|-----------------------------------------------------------|---------------------------------------|-------------------------------|-----------------------------------------------------------|---------------------------------------|-------------------------------|-----------------------------------------------------------------------------------|---------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------|
| MODEL                                        | kW<br>(code)  | Temp<br>Rise °F | #<br>CKTS                                                 | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT | #<br>CKTS                                                 | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT | #<br>CKTS                                                                         | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT | #<br>CKTS                                                                                                     | AMPS PER CIRCUIT<br>(including motor) | BREAKER RATING<br>PER CIRCUIT |
| AC08-F-1036E<br>AC08-F-1042E                 | 10<br>(100)   | 30              | 1                                                         | 30.3                                  | 40                            | 1                                                         | 26.6                                  | 35                            | 1                                                                                 | 14.2                                  | 20                            | 1                                                                                                             | 10.4                                  | 15                            |
|                                              | 7.5<br>(075)  | 23              | 1                                                         | 23.3                                  | 30                            | 1                                                         | 20.5                                  | 30                            | 1                                                                                 | 11.2                                  | 15                            | 1                                                                                                             | 8.0                                   | 15                            |
|                                              | 5.6<br>(056)  | 17              | 1                                                         | 18.0                                  | 25                            | 1                                                         | 16.0                                  | 20                            | 1                                                                                 | 8.9                                   | 15                            | 1                                                                                                             | 6.2                                   | 15                            |
|                                              | 4<br>(040)    | 12              | 1                                                         | 13.6                                  | 20                            | 1                                                         | 12.1                                  | 20                            | 1                                                                                 | 7.0                                   | 15                            | 1                                                                                                             | 4.6                                   | 15                            |
| AC08-F-1048E<br>AC08-F-1060E                 | 14.4<br>(144) | 33              | 1                                                         | 42.5                                  | 60                            | 1                                                         | 37.1                                  | 50                            | 1                                                                                 | 19.5                                  | 25                            | 1                                                                                                             | 14.7                                  | 20                            |
|                                              | 10.8<br>(108) | 25              | 1                                                         | 32.5                                  | 45                            | 1                                                         | 28.5                                  | 40                            | 1                                                                                 | 15.2                                  | 20                            | 1                                                                                                             | 11.2                                  | 15                            |
|                                              | 8.1<br>(081)  | 18              | 1                                                         | 25.0                                  | 35                            | 1                                                         | 22.0                                  | 30                            | 1                                                                                 | 11.9                                  | 15                            | 1                                                                                                             | 8.6                                   | 15                            |
|                                              | 5.6<br>(056)  | 13              | 1                                                         | 18.0                                  | 25                            | 1                                                         | 16.0                                  | 20                            | 1                                                                                 | 8.9                                   | 15                            | 1                                                                                                             | 6.2                                   | 15                            |
| AC08-F-1072E                                 | 20<br>(200)   | 30              | 2                                                         | 30.3/27.8                             | 40/35                         | 2                                                         | 26.6/24.1                             | 35/35                         | 1                                                                                 | 26.3                                  | 35                            | 1                                                                                                             | 20.0                                  | 30                            |
|                                              | 15<br>(150)   | 23              | 1                                                         | 44.1                                  | 60                            | 1                                                         | 38.6                                  | 50                            | 1                                                                                 | 20.2                                  | 30                            | 1                                                                                                             | 15.2                                  | 20                            |
|                                              | 11.2<br>(112) | 17              | 1                                                         | 33.6                                  | 45                            | 1                                                         | 29.4                                  | 40                            | 1                                                                                 | 15.7                                  | 20                            | 1                                                                                                             | 11.6                                  | 15                            |
|                                              | 8<br>(080)    | 12              | 1                                                         | 24.7                                  | 35                            | 1                                                         | 21.7                                  | 30                            | 1                                                                                 | 11.8                                  | 15                            | 1                                                                                                             | 8.5                                   | 15                            |
| AC08-F-2078E<br>AC08-F-2084E                 | 20<br>(200)   | 26              | 2                                                         | 32.8/27.8                             | 45/35                         | 2                                                         | 29.1/24.1                             | 40/35                         | 1                                                                                 | 28.5                                  | 40                            | 1                                                                                                             | 20.8                                  | 30                            |
|                                              | 15<br>(150)   | 20              | 1                                                         | 46.6                                  | 60                            | 1                                                         | 41.1                                  | 60                            | 1                                                                                 | 22.4                                  | 30                            | 1                                                                                                             | 16.0                                  | 20                            |
|                                              | 11.2<br>(112) | 15              | 1                                                         | 36.1                                  | 45                            | 1                                                         | 31.9                                  | 40                            | 1                                                                                 | 17.9                                  | 25                            | 1                                                                                                             | 12.4                                  | 20                            |
|                                              | 8<br>(080)    | 10              | 1                                                         | 27.2                                  | 35                            | 1                                                         | 24.2                                  | 30                            | 1                                                                                 | 14.0                                  | 20                            | 1                                                                                                             | 9.3                                   | 15                            |
| AC08-F-2096E<br>AC08-F-2108E<br>AC08-F-2120E | 28.8<br>(288) | 33              | 2                                                         | 45.0/40.0                             | 60/50                         | 2                                                         | 39.6/34.6                             | 50/45                         | 1                                                                                 | 39.0                                  | 50                            | 1                                                                                                             | 29.3                                  | 40                            |
|                                              | 21.6<br>(216) | 25              | 2                                                         | 35.0/30.0                             | 45/40                         | 2                                                         | 31.0/26.0                             | 40/35                         | 1                                                                                 | 30.4                                  | 40                            | 1                                                                                                             | 22.4                                  | 30                            |
|                                              | 16.2<br>(162) | 19              | 1                                                         | 50.0                                  | 60                            | 1                                                         | 44.0                                  | 60                            | 1                                                                                 | 23.9                                  | 30                            | 1                                                                                                             | 17.2                                  | 25                            |
|                                              | 11.2<br>(112) | 13              | 1                                                         | 36.1                                  | 45                            | 1                                                         | 31.9                                  | 40                            | 1                                                                                 | 17.9                                  | 25                            | 1                                                                                                             | 12.4                                  | 20                            |

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# ARCHITECTURAL CONTOUR 8 - EC MOTORS

## Electric Heated Air Curtain

### Electrical Performance Sheet

|                                              |               |                 | 120/1/60 - 480/3/60 (voltage code K)<br>120V EC MOTOR AMP DRAW = 4.4 each |                  |        |                               |        |           |                  |        | 208/1/60 - 480/3/60 (voltage code S)<br>208V EC MOTOR AMP DRAW = 2.5 each |        |           |                  |        |                               |        |           | 240/1/60 - 480/3/60 (voltage code U)<br>240V EC MOTOR AMP DRAW = 2.5 each |    |                               |  |  |  |  | 380/3/50 (voltage code O) 4 Wire System<br>EC MOTOR AMP DRAW = 2.5 each |  |  |
|----------------------------------------------|---------------|-----------------|---------------------------------------------------------------------------|------------------|--------|-------------------------------|--------|-----------|------------------|--------|---------------------------------------------------------------------------|--------|-----------|------------------|--------|-------------------------------|--------|-----------|---------------------------------------------------------------------------|----|-------------------------------|--|--|--|--|-------------------------------------------------------------------------|--|--|
| MODEL                                        | kW<br>(code)  | Temp<br>Rise °F | #<br>CKTS                                                                 | AMPS PER CIRCUIT |        | BREAKER RATING<br>PER CIRCUIT |        | #<br>CKTS | AMPS PER CIRCUIT |        | BREAKER RATING<br>PER CIRCUIT                                             |        | #<br>CKTS | AMPS PER CIRCUIT |        | BREAKER RATING<br>PER CIRCUIT |        | #<br>CKTS | AMPS PER CIRCUIT<br>(including motor)                                     |    | BREAKER RATING<br>PER CIRCUIT |  |  |  |  |                                                                         |  |  |
|                                              |               |                 |                                                                           | 120V/1           | 480V/3 | 120V/1                        | 480V/3 |           | 208V/1           | 480V/3 | 208V/1                                                                    | 480V/3 |           | 240V/1           | 480V/3 | 240V/1                        | 480V/3 |           |                                                                           |    |                               |  |  |  |  |                                                                         |  |  |
| AC08-F-1036E<br>AC08-F-1042E                 | 10<br>(100)   | 30              | 2                                                                         | 4.4              | 12.0   | 15                            | 15     | 2         | 2.5              | 12.0   | 15                                                                        | 15     | 2         | 2.5              | 12.0   | 15                            | 15     | 1         | 17.7                                                                      | 25 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 7.5<br>(075)  | 23              | 2                                                                         | 4.4              | 9.0    | 15                            | 15     | 2         | 2.5              | 9.0    | 15                                                                        | 15     | 2         | 2.5              | 9.0    | 15                            | 15     | 1         | 13.9                                                                      | 20 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 5.6<br>(056)  | 17              | 2                                                                         | 4.4              | 6.7    | 15                            | 15     | 2         | 2.5              | 6.7    | 15                                                                        | 15     | 2         | 2.5              | 6.7    | 15                            | 15     | 1         | 11.0                                                                      | 15 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 4<br>(040)    | 12              | 2                                                                         | 4.4              | 4.8    | 15                            | 15     | 2         | 2.5              | 4.8    | 15                                                                        | 15     | 2         | 2.5              | 4.8    | 15                            | 15     | 1         | 8.6                                                                       | 15 |                               |  |  |  |  |                                                                         |  |  |
| AC08-F-1048E<br>AC08-F-1060E                 | 14.4<br>(144) | 33              | 2                                                                         | 4.4              | 17.3   | 15                            | 25     | 2         | 2.5              | 17.3   | 15                                                                        | 25     | 2         | 2.5              | 17.3   | 15                            | 25     | 1         | 24.4                                                                      | 35 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 10.8<br>(108) | 25              | 2                                                                         | 4.4              | 13.0   | 15                            | 20     | 2         | 2.5              | 13.0   | 15                                                                        | 20     | 2         | 2.5              | 13.0   | 15                            | 20     | 1         | 18.9                                                                      | 25 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 8.1<br>(081)  | 19              | 2                                                                         | 4.4              | 9.7    | 15                            | 15     | 2         | 2.5              | 9.7    | 15                                                                        | 15     | 2         | 2.5              | 9.7    | 15                            | 15     | 1         | 14.8                                                                      | 20 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 5.6<br>(056)  | 13              | 2                                                                         | 4.4              | 6.7    | 15                            | 15     | 2         | 2.5              | 6.7    | 15                                                                        | 15     | 2         | 2.5              | 6.7    | 15                            | 15     | 1         | 11.0                                                                      | 15 |                               |  |  |  |  |                                                                         |  |  |
| AC08-F-1072E                                 | 20<br>(200)   | 30              | 2                                                                         | 4.4              | 24.1   | 15                            | 35     | 2         | 2.5              | 24.1   | 15                                                                        | 35     | 2         | 2.5              | 24.1   | 15                            | 35     | 1         | 32.9                                                                      | 45 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 15<br>(150)   | 23              | 2                                                                         | 4.4              | 18.0   | 15                            | 25     | 2         | 2.5              | 18.0   | 15                                                                        | 25     | 2         | 2.5              | 18.0   | 15                            | 25     | 1         | 25.3                                                                      | 35 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 11.2<br>(112) | 17              | 2                                                                         | 4.4              | 13.5   | 15                            | 20     | 2         | 2.5              | 13.5   | 15                                                                        | 20     | 2         | 2.5              | 13.5   | 15                            | 20     | 1         | 19.5                                                                      | 25 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 8<br>(080)    | 12              | 2                                                                         | 4.4              | 9.6    | 15                            | 15     | 2         | 2.5              | 9.6    | 15                                                                        | 15     | 2         | 2.5              | 9.6    | 15                            | 15     | 1         | 14.7                                                                      | 20 |                               |  |  |  |  |                                                                         |  |  |
| AC08-F-2078E<br>AC08-F-2084E                 | 20<br>(200)   | 26              | 2                                                                         | 8.8              | 24.1   | 15                            | 35     | 2         | 5.0              | 24.1   | 15                                                                        | 35     | 2         | 5.0              | 24.1   | 15                            | 35     | 1         | 35.4                                                                      | 45 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 15<br>(150)   | 20              | 2                                                                         | 8.8              | 18.0   | 15                            | 25     | 2         | 5.0              | 18.0   | 15                                                                        | 25     | 2         | 5.0              | 18.0   | 15                            | 25     | 1         | 27.8                                                                      | 35 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 11.2<br>(112) | 15              | 2                                                                         | 8.8              | 13.5   | 15                            | 20     | 2         | 5.0              | 13.5   | 15                                                                        | 20     | 2         | 5.0              | 13.5   | 15                            | 20     | 1         | 22.0                                                                      | 30 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 8<br>(080)    | 10              | 2                                                                         | 8.8              | 9.6    | 15                            | 15     | 2         | 5.0              | 9.6    | 15                                                                        | 15     | 2         | 5.0              | 9.6    | 15                            | 15     | 1         | 17.2                                                                      | 25 |                               |  |  |  |  |                                                                         |  |  |
| AC08-F-2096E<br>AC08-F-2108E<br>AC08-F-2120E | 28.8<br>(288) | 33              | 2                                                                         | 8.8              | 34.6   | 15                            | 45     | 2         | 5.0              | 34.6   | 15                                                                        | 45     | 2         | 5.0              | 34.6   | 15                            | 45     | 1         | 48.8                                                                      | 60 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 21.6<br>(216) | 25              | 2                                                                         | 8.8              | 26.0   | 15                            | 35     | 2         | 5.0              | 26.0   | 15                                                                        | 35     | 2         | 5.0              | 26.0   | 15                            | 35     | 1         | 37.8                                                                      | 50 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 16.2<br>(162) | 19              | 2                                                                         | 8.8              | 19.5   | 15                            | 25     | 2         | 5.0              | 19.5   | 15                                                                        | 25     | 2         | 5.0              | 19.5   | 15                            | 25     | 1         | 29.6                                                                      | 40 |                               |  |  |  |  |                                                                         |  |  |
|                                              | 11.2<br>(112) | 13              | 2                                                                         | 8.8              | 13.5   | 15                            | 20     | 2         | 5.0              | 13.5   | 15                                                                        | 20     | 2         | 5.0              | 13.5   | 15                            | 20     | 1         | 22.0                                                                      | 30 |                               |  |  |  |  |                                                                         |  |  |

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July, 2025

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# ARCHITECTURAL CONTOUR 8 - EC MOTORS

## Electric Heated Air Curtain Electrical Performance Sheet

|                                              |               |                 | 120/1/60 - 600/3/60 (voltage code L)<br>120V EC MOTOR AMP DRAW = 4.4 each |                  |        |                               |        |           |                  |        | 208/1/60 - 600/3/60 (voltage code M)<br>208V EC MOTOR AMP DRAW = 2.5 each |        |           |                  |        |                               |        | 240/1/60 - 600/3/60 (voltage code N)<br>240V EC MOTOR AMP DRAW = 2.5 each |  |  |  |
|----------------------------------------------|---------------|-----------------|---------------------------------------------------------------------------|------------------|--------|-------------------------------|--------|-----------|------------------|--------|---------------------------------------------------------------------------|--------|-----------|------------------|--------|-------------------------------|--------|---------------------------------------------------------------------------|--|--|--|
| MODEL                                        | kW<br>(code)  | Temp<br>Rise °F | #<br>CKTS                                                                 | AMPS PER CIRCUIT |        | BREAKER RATING<br>PER CIRCUIT |        | #<br>CKTS | AMPS PER CIRCUIT |        | BREAKER RATING<br>PER CIRCUIT                                             |        | #<br>CKTS | AMPS PER CIRCUIT |        | BREAKER RATING<br>PER CIRCUIT |        |                                                                           |  |  |  |
|                                              |               |                 |                                                                           | 120V/1           | 600V/3 | 120V/1                        | 600V/3 |           | 208V/1           | 600V/3 | 208V/1                                                                    | 600V/3 |           | 240V/1           | 600V/3 | 240V/1                        | 600V/3 |                                                                           |  |  |  |
| AC08-F-1036E<br>AC08-F-1042E                 | 10<br>(100)   | 30              | 2                                                                         | 4.4              | 9.6    | 15                            | 15     | 2         | 2.5              | 9.6    | 15                                                                        | 15     | 2         | 2.5              | 9.6    | 15                            | 15     |                                                                           |  |  |  |
|                                              | 7.5<br>(075)  | 23              | 2                                                                         | 4.4              | 7.2    | 15                            | 15     | 2         | 2.5              | 7.2    | 15                                                                        | 15     | 2         | 2.5              | 7.2    | 15                            | 15     |                                                                           |  |  |  |
|                                              | 5.6<br>(056)  | 17              | 2                                                                         | 4.4              | 5.4    | 15                            | 15     | 2         | 2.5              | 5.4    | 15                                                                        | 15     | 2         | 2.5              | 5.4    | 15                            | 15     |                                                                           |  |  |  |
|                                              | 4<br>(040)    | 12              | 2                                                                         | 4.4              | 3.8    | 15                            | 15     | 2         | 2.5              | 3.8    | 15                                                                        | 15     | 2         | 2.5              | 3.8    | 15                            | 15     |                                                                           |  |  |  |
| AC08-F-1048E<br>AC08-F-1060E                 | 14.4<br>(144) | 33              | 2                                                                         | 4.4              | 13.9   | 15                            | 20     | 2         | 2.5              | 13.9   | 15                                                                        | 20     | 2         | 2.5              | 13.9   | 15                            | 20     |                                                                           |  |  |  |
|                                              | 10.8<br>(108) | 25              | 2                                                                         | 4.4              | 10.4   | 15                            | 15     | 2         | 2.5              | 10.4   | 15                                                                        | 15     | 2         | 2.5              | 10.4   | 15                            | 15     |                                                                           |  |  |  |
|                                              | 8.1<br>(081)  | 19              | 2                                                                         | 4.4              | 7.8    | 15                            | 15     | 2         | 2.5              | 7.8    | 15                                                                        | 15     | 2         | 2.5              | 7.8    | 15                            | 15     |                                                                           |  |  |  |
|                                              | 5.6<br>(056)  | 13              | 2                                                                         | 4.4              | 5.4    | 15                            | 15     | 2         | 2.5              | 5.4    | 15                                                                        | 15     | 2         | 2.5              | 5.4    | 15                            | 15     |                                                                           |  |  |  |
| AC08-F-1072E                                 | 20<br>(200)   | 30              | 2                                                                         | 4.4              | 19.2   | 15                            | 25     | 2         | 2.5              | 19.2   | 15                                                                        | 25     | 2         | 2.5              | 19.2   | 15                            | 25     |                                                                           |  |  |  |
|                                              | 15<br>(150)   | 23              | 2                                                                         | 4.4              | 14.4   | 15                            | 20     | 2         | 2.5              | 14.4   | 15                                                                        | 20     | 2         | 2.5              | 14.4   | 15                            | 20     |                                                                           |  |  |  |
|                                              | 11.2<br>(112) | 17              | 2                                                                         | 4.4              | 10.8   | 15                            | 15     | 2         | 2.5              | 10.8   | 15                                                                        | 15     | 2         | 2.5              | 10.8   | 15                            | 15     |                                                                           |  |  |  |
|                                              | 8<br>(080)    | 12              | 2                                                                         | 4.4              | 7.7    | 15                            | 15     | 2         | 2.5              | 7.7    | 15                                                                        | 15     | 2         | 2.5              | 7.7    | 15                            | 15     |                                                                           |  |  |  |
| AC08-F-2078E<br>AC08-F-2084E                 | 20<br>(200)   | 26              | 2                                                                         | 8.8              | 19.2   | 15                            | 25     | 2         | 5.0              | 19.2   | 15                                                                        | 25     | 2         | 5.0              | 19.2   | 15                            | 25     |                                                                           |  |  |  |
|                                              | 15<br>(150)   | 20              | 2                                                                         | 8.8              | 14.4   | 15                            | 20     | 2         | 5.0              | 14.4   | 15                                                                        | 20     | 2         | 5.0              | 14.4   | 15                            | 20     |                                                                           |  |  |  |
|                                              | 11.2<br>(112) | 15              | 2                                                                         | 8.8              | 10.8   | 15                            | 15     | 2         | 5.0              | 10.8   | 15                                                                        | 15     | 2         | 5.0              | 10.8   | 15                            | 15     |                                                                           |  |  |  |
|                                              | 8<br>(080)    | 10              | 2                                                                         | 8.8              | 7.7    | 15                            | 15     | 2         | 5.0              | 7.7    | 15                                                                        | 15     | 2         | 5.0              | 7.7    | 15                            | 15     |                                                                           |  |  |  |
| AC08-F-2096E<br>AC08-F-2108E<br>AC08-F-2120E | 28.8<br>(288) | 33              | 2                                                                         | 8.8              | 27.7   | 15                            | 35     | 2         | 5.0              | 27.7   | 15                                                                        | 35     | 2         | 5.0              | 27.7   | 15                            | 35     |                                                                           |  |  |  |
|                                              | 21.6<br>(216) | 25              | 2                                                                         | 8.8              | 20.8   | 15                            | 30     | 2         | 5.0              | 20.8   | 15                                                                        | 30     | 2         | 5.0              | 20.8   | 15                            | 30     |                                                                           |  |  |  |
|                                              | 16.2<br>(162) | 19              | 2                                                                         | 8.8              | 15.6   | 15                            | 20     | 2         | 5.0              | 15.6   | 15                                                                        | 20     | 2         | 5.0              | 15.6   | 15                            | 20     |                                                                           |  |  |  |
|                                              | 11.2<br>(112) | 13              | 2                                                                         | 8.8              | 10.8   | 15                            | 15     | 2         | 5.0              | 10.8   | 15                                                                        | 15     | 2         | 5.0              | 10.8   | 15                            | 15     |                                                                           |  |  |  |

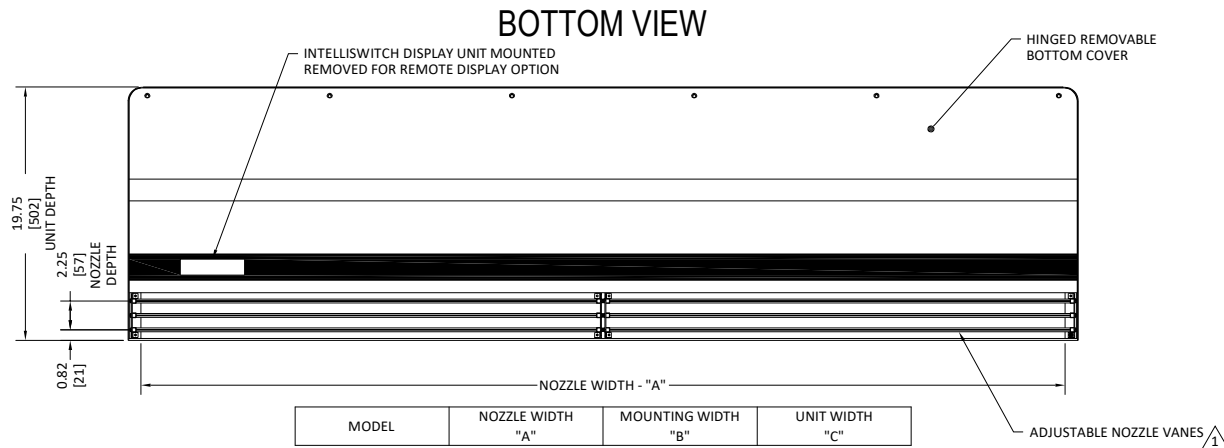
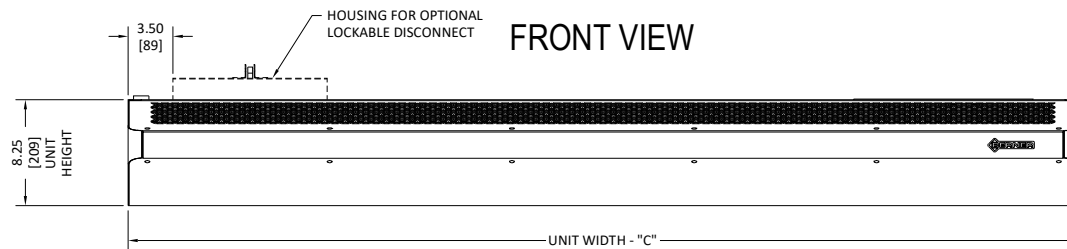
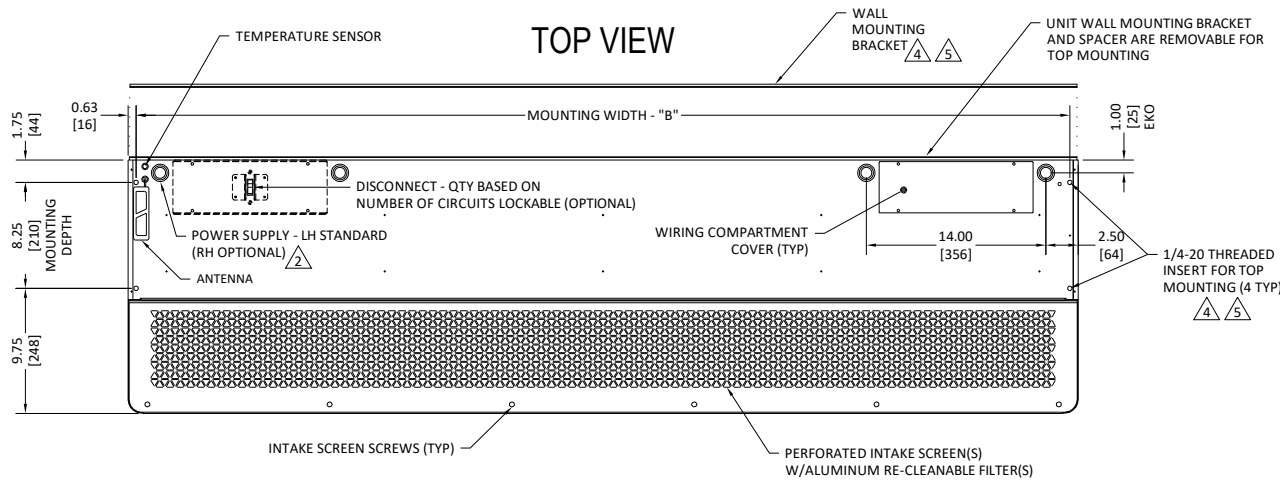
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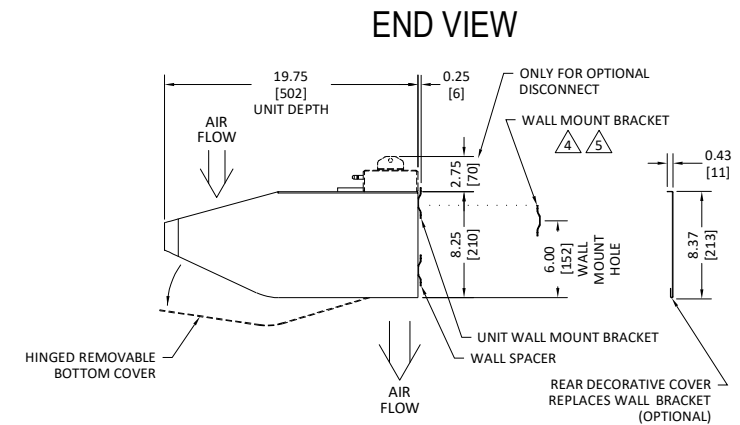
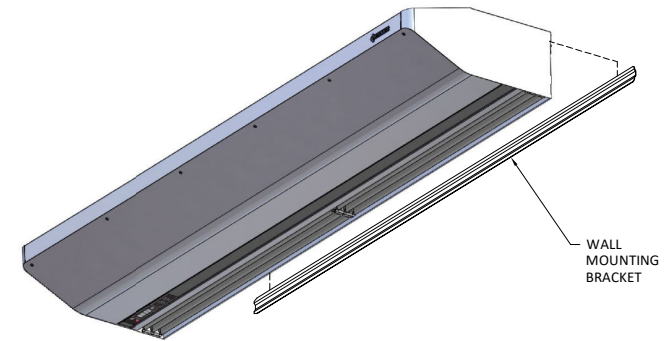
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# AC08-F ELECTRIC HEATED SYSTEM: 208 - 480V



| MODEL        | NOZZLE WIDTH<br>"A" | MOUNTING WIDTH<br>"B" | UNIT WIDTH<br>"C" |
|--------------|---------------------|-----------------------|-------------------|
| AC08-F-1036E | 36.00 [914]         | 36.75 [934]           | 38.00 [965]       |
| AC08-F-1042E | 42.00 [1067]        | 42.75 [1086]          | 44.00 [1118]      |
| AC08-F-1048E | 48.00 [1219]        | 48.75 [1238]          | 50.00 [1270]      |
| AC08-F-1060E | 59.00 [1499]        | 59.75 [1518]          | 61.00 [1549]      |
| AC08-F-1072E | 72.00 [1829]        | 72.75 [1848]          | 74.00 [1880]      |
| AC08-F-1078E | 78.00 [1981]        | 78.75 [2000]          | 80.00 [2032]      |
| AC08-F-2084E | 84.00 [2134]        | 84.75 [2153]          | 86.00 [2184]      |
| AC08-F-2096E | 96.00 [2438]        | 96.75 [2458]          | 98.00 [2489]      |
| AC08-F-2108E | 108.00 [2743]       | 108.75 [2762]         | 110.00 [2794]     |
| AC08-F-2120E | 118.00 [2997]       | 118.75 [3016]         | 120.00 [3048]     |



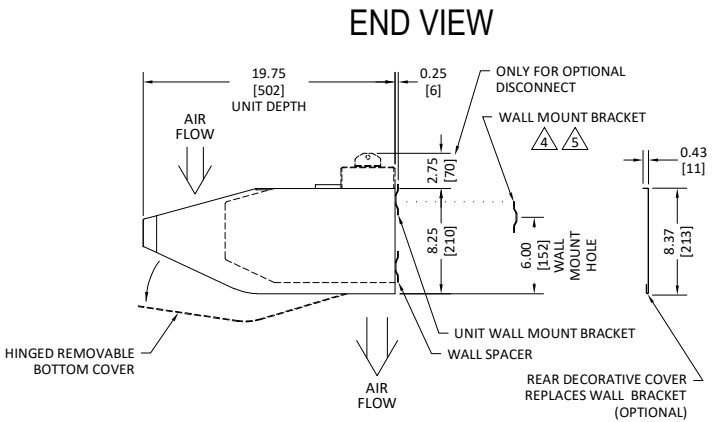
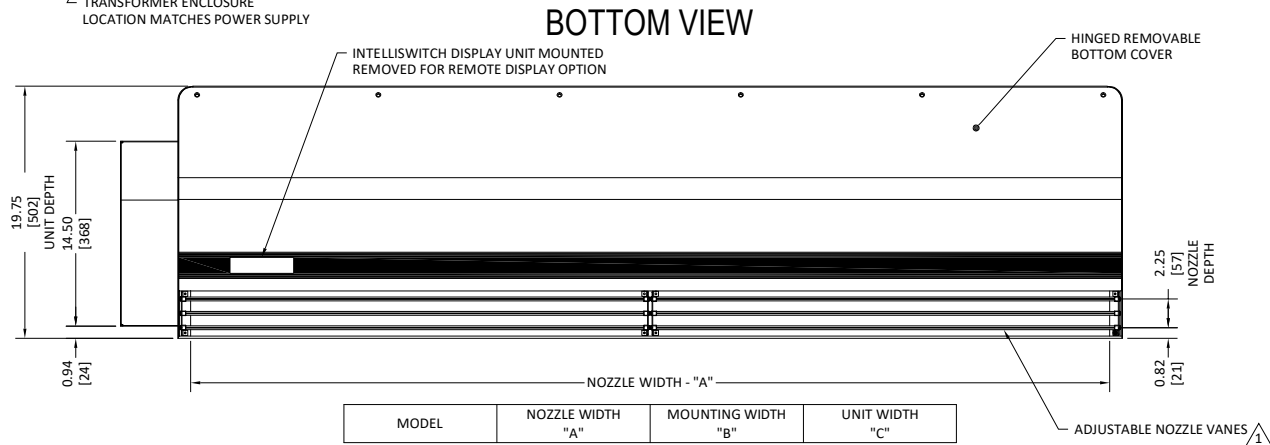
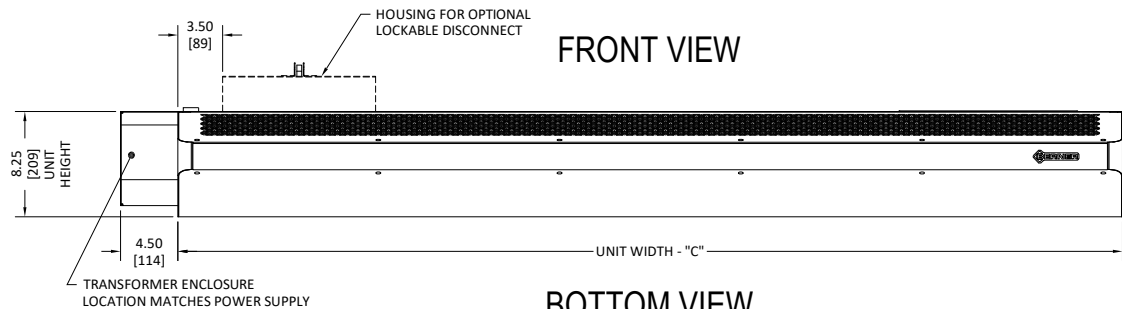
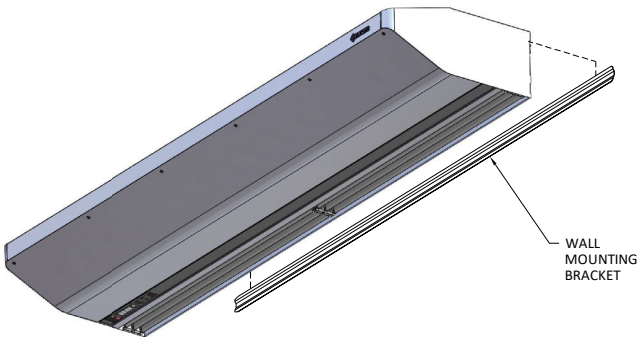
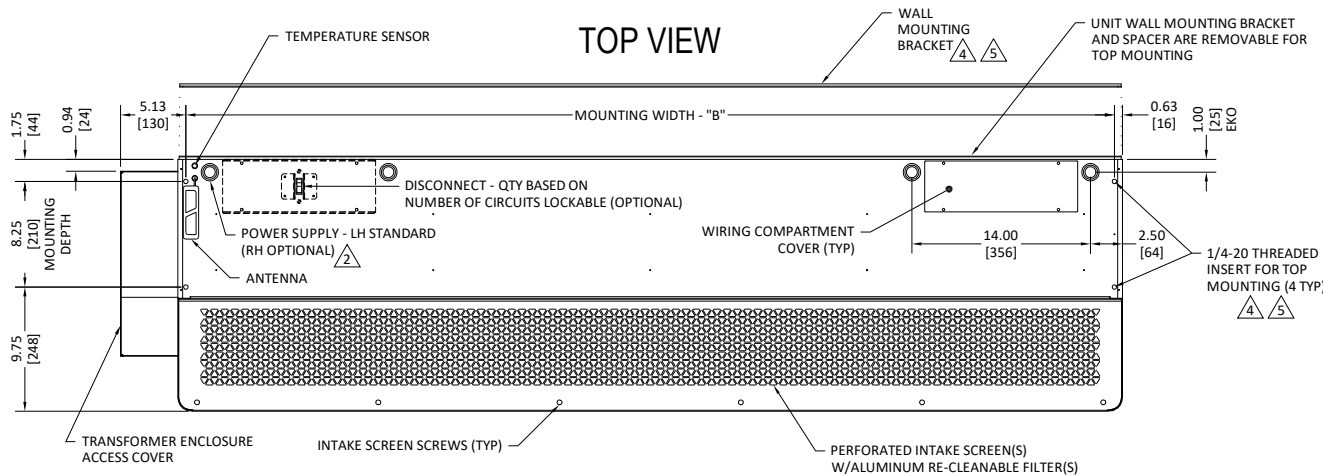
## NOTES:

- AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF C.
- ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- FIELD VERIFY DIMENSIONS.
- ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- THE LAST CHARACTER IN THE MODEL NUMBER - "E" DESIGNATES ELECTRIC HEATED UNIT.
- DIMENSIONS IN INCHES [MILLIMETERS].

SHEET 1 OF 1

|           |                |        |                                                               |
|-----------|----------------|--------|---------------------------------------------------------------|
| PROJECT   |                | REV    | 0                                                             |
| LOCATION  |                |        |                                                               |
| ARCHITECT |                |        |                                                               |
| ENGINEER  |                |        |                                                               |
| DWG. NO.  | AC08-F-ELE-208 | TITLE: | <b>BERNER</b>                                                 |
| DATE      | 21JAN2025      |        | MODEL AC08-F AIR CURTAIN 208 - 480V<br>ELECTRIC HEATED SYSTEM |
| BY        | S. Beil        |        |                                                               |
| REPLACES  | 28FEB2023      |        |                                                               |
| BY        | D. Johnson     |        | BERNER INTERNATIONAL CORP.<br>NEW CASTLE, PA.                 |

# AC08-F ELECTRIC HEATED SYSTEM: 600V



## NOTES:

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

SHEET 1 OF 1

| MODEL        | NOZZLE WIDTH<br>"A" | MOUNTING WIDTH<br>"B" | UNIT WIDTH<br>"C" |
|--------------|---------------------|-----------------------|-------------------|
| AC08-F-1036E | 36.00 [914]         | 36.75 [934]           | 38.00 [965]       |
| AC08-F-1042E | 42.00 [1067]        | 42.75 [1086]          | 44.00 [1118]      |
| AC08-F-1048E | 48.00 [1219]        | 48.75 [1238]          | 50.00 [1270]      |
| AC08-F-1060E | 59.00 [1499]        | 59.75 [1518]          | 61.00 [1549]      |
| AC08-F-1072E | 72.00 [1829]        | 72.75 [1848]          | 74.00 [1880]      |
| AC08-F-1078E | 78.00 [1981]        | 78.75 [2000]          | 80.00 [2032]      |
| AC08-F-2084E | 84.00 [2134]        | 84.75 [2153]          | 86.00 [2184]      |
| AC08-F-2096E | 96.00 [2438]        | 96.75 [2458]          | 98.00 [2489]      |
| AC08-F-2108E | 108.00 [2743]       | 108.75 [2762]         | 110.00 [2794]     |
| AC08-F-2120E | 118.00 [2997]       | 118.75 [3016]         | 120.00 [3048]     |

|           |                |        |                                                                          |
|-----------|----------------|--------|--------------------------------------------------------------------------|
| PROJECT   |                | REV    | 0                                                                        |
| LOCATION  |                |        |                                                                          |
| ARCHITECT |                |        |                                                                          |
| ENGINEER  |                |        |                                                                          |
| DWG. NO.  | AC08-F-ELE-600 | TITLE: | <b>BERNER</b><br>MODEL AC08-F AIR CURTAIN 600V<br>ELECTRIC HEATED SYSTEM |
| DATE      | 21JAN2025      |        |                                                                          |
| BY        | S. Beil        |        |                                                                          |
| REPLACES  | 28FEB2023      |        |                                                                          |
| BY        | D. Johnson     |        | BERNER INTERNATIONAL CORP.<br>NEW CASTLE, PA.                            |