



ARCHITECTURAL CONTOUR 8

Electric Heated Air Curtain

Data Sheet

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

STANDARD CONSTRUCTION

- 8 1/4" high x 20" deep
- 1/5 hp motor(s) - ten speeds
- Factory installed Intelliswitch™ digital controller
- Clear satin anodized aluminum exterior
- Wall or Top Mounting
- High efficiency, low noise, articulating, three vane, Pro-V Nozzle
- Single stage electric heater (open element)
- Alternate kW: see sheet EP-262E
- Filter (washable)

OPTIONS

- 1/5 hp EC motor(s) - ten speeds
- Custom Color or Stainless
- Rear cover for top mounting to conceal fasteners
- Berner AIR™ (smart controller & app, includes BACnet)

Energy Codes ASHRAE 90.1-2019, IECC 2018, and ASHRAE 189.1 vestibule exception validated by AMCA certification. Refer to Velocity Projection Chart below for information.



Berner International certifies that the air curtains shown here-in 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



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-E-1036E	36.00	2,251	1,691	951	84%	0.20	1 @ 1/5	10.0	34.1	33°	48
AC08-E-1042E	42.00	2,317	1,728	1,134	83%	0.23	1 @ 1/5	10.0	34.1	28°	53
AC08-E-1048E	48.00	2,335	1,779	1,334	81%	0.26	1 @ 1/5	14.4	49.1	34°	58
AC08-E-1060E	59.00	2,189	1,808	1,667	81%	0.32	1 @ 1/5	14.4	49.1	27°	69
AC08-E-1072E	72.00	2,149	1,582	1,780	84%	0.32	1 @ 1/5	20.0	68.3	35°	84
AC08-E-2084E	84.00	2,317	1,728	2,268	83%	0.45	2 @ 1/5	20.0	68.3	28°	106
AC08-E-2096E	96.00	2,335	1,779	2,668	81%	0.52	2 @ 1/5	28.8	98.3	34°	116
AC08-E-2108E	108.00	2,335	1,778	3,001	81%	0.58	2 @ 1/5	28.8	98.3	30°	127
AC08-E-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-E-ELE-600

NOTES:

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

MODEL NUMBER CONFIGURATION

AC08-E-1 036 E B-100-AC -WCA -SS

Series	Version	# of Motors	Opening Width	Heat	Voltage	Standard kW	Motor Type	Opt. Control	Opt. Cabinet Finish
AC08	E	1, 2	036" - 120"	E=Electric Heated	AC & EC motors B = 208/1/60* J = 240/1/60* V = 220/1/50* K = 120/480 L = 120/600 S = 208/480 M = 208/600 U = 240/480 N = 240/600 X = 208/3/60 Y = 240/3/60 O = 380/3/50** L-XI = 600/3/60 † EC motors only W = 277/1/60 WZ = 480/3/60**	10.0 - 28.8 (100 - 288) See sheet EP-262 for alternate kW code	AC= Standard Motor EC= Optional Motor	WCA= Berner AIR™ smart control	SS=Stainless Steel CC=Custom Color

*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" for transformer housing
 See sheet EP-262 for available lengths and voltages

VELOCITY PROJECTION: Model AC08-E-1036E			
Distance from Nozzle (in)	40	80	120
Core Velocity (fpm)	970	710	605
Uniformity (%)	91%	89%	92%

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

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.

Berner reserves the right to alter specifications without prior notice.