

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 Corporation certifies that the air curtains shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. Rated data shown is for base (unheated) units. The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.

**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	60.00	2,189	1,778	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 sheet EP-262E for amp draws/total load requirements and alternate kW.

600/3/60 power supply includes transformer housing, See drawing AC08-E-ELE-600

NOTE: 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

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" for transformer housing
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.

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."

Berner reserves the right to alter specifications without prior notice.



ARCHITECTURAL CONTOUR 8

Electric Heated Air Curtain

Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	208/1/60 (voltage code B) MOTOR AMP DRAW = 1.7 each			240/1/60 (voltage code J) or 220/1/50 (voltage code V) MOTOR AMP DRAW = 1.7 each			* Consult Factory 277/1/60 (voltage code W) MOTOR AMP DRAW = ** each		
			# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT
AC08-E-1036E AC08-E-1042E	10 (100)	30	1	49.8	60	1	43.4	60	*	*	*
	7.5 (075)	23	1	37.8	50	1	33.0	45	*	*	*
	5.6 (056)	17	1	28.6	40	1	25.0	35	*	*	*
	4 (040)	12	1	20.9	30	1	18.4	25	*	*	*
AC08-E-1048E AC08-E-1060E	14.4 (144)	33	2	36.3/34.6	50/45	2	31.7/30.0	40/40	*	*	*
	10.8 (108)	25	2	27.7/26.0	35/35	1	46.7	60	*	*	*
	8.1 (081)	18	1	40.6	60	1	35.5	45	*	*	*
	5.6 (056)	13	1	28.6	40	1	25.0	35	*	*	*
AC08-E-1072E	20 (200)	30	-	N/A	N/A	2	43.4/41.7	60/60	*	*	*
	15 (150)	23	2	37.8/36.1	50/50	2	33.0/31.3	45/40	*	*	*
	11.2 (112)	17	2	28.6/26.9	40/35	1	48.4	60	*	*	*
	8 (080)	12	1	40.2	60	1	35.0	45	*	*	*
AC08-E-2084E	20 (200)	26	-	N/A	N/A	-	N/A	N/A	*	*	*
	15 (150)	19	2	39.5/36.1	50/50	2	34.7/31.3	45/40	*	*	*
	11.2 (112)	15	2	30.3/26.9	40/35	1	50.1	60	*	*	*
	8 (080)	10	1	41.9	60	1	36.7	50	*	*	*
AC08-E-2096E AC08-E-2108E AC08-E-2120E	28.8 (288)	33	-	N/A	N/A	-	N/A	N/A	*	*	*
	21.6 (216)	25	-	N/A	N/A	-	N/A	N/A	*	*	*
	16.2 (162)	19	2	42.3/38.9	60/50	2	37.2/33.8	50/45	*	*	*
	11.2 (112)	13	2	30.3/26.9	40/35	2	26.7/23.3	35/30	*	*	*



ARCHITECTURAL CONTOUR 8

Electric Heated Air Curtain

Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	208/3/60 (voltage code X) MOTOR AMP DRAW = 1.7 each			240/3/60 (voltage code Y) MOTOR AMP DRAW = 1.7 each			* Consult Factory 480/3/60 (voltage code WZ) - 4 Wire System MOTOR AMP DRAW = ** each @ 277V			600/3/60 (voltage code L-XI) XFMR 600/120 0.5kVA per MTR @ 0.8 each MOTOR AMP DRAW = 3.4 each @ 120V		
			# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT
AC08-E-1036E AC08-E-1042E	10 (100)	30	1	29.5	40	1	25.8	35	*	*	*	1	10.4	15
	7.5 (075)	23	1	22.5	30	1	19.7	25	*	*	*	1	8.0	15
	5.6 (056)	17	1	17.2	25	1	15.2	20	*	*	*	1	6.2	15
	4 (040)	12	1	12.8	20	1	11.3	15	*	*	*	1	4.6	15
AC08-E-1048E AC08-E-1060E	14.4 (144)	33	1	41.7	60	1	36.3	50	*	*	*	1	14.7	20
	10.8 (108)	25	1	31.7	40	1	27.7	35	*	*	*	1	11.2	15
	8.1 (081)	19	1	24.2	35	1	21.2	30	*	*	*	1	8.6	15
	5.6 (056)	13	1	17.2	25	1	15.2	20	*	*	*	1	6.2	15
AC08-E-1072E	20 (200)	30	2	29.5/27.8	40/35	2	25.8/24.1	35/35	*	*	*	1	20.0	30
	15 (150)	23	1	43.3	60	1	37.8	50	*	*	*	1	15.2	20
	11.2 (112)	17	1	32.8	45	1	28.6	40	*	*	*	1	11.6	15
	8 (080)	12	1	23.9	30	1	20.9	30	*	*	*	1	8.5	15
AC08-E-2084E	20 (200)	26	2	31.2/27.8	40/35	2	27.5/24.1	35/35	*	*	*	1	20.8	30
	15 (150)	20	1	45.0	60	1	39.5	50	*	*	*	1	16.0	20
	11.2 (112)	15	1	34.5	45	1	30.3	40	*	*	*	1	12.4	20
	8 (080)	10	1	25.6	35	1	22.6	30	*	*	*	1	9.3	15
AC08-E-2096E AC08-E-2108E AC08-E-2120E	28.8 (288)	33	2	43.4/40.0	60/50	2	38.0/34.6	50/45	*	*	*	1	29.3	40
	21.6 (216)	25	2	33.4/30.0	45/40	2	29.4/26.0	40/35	*	*	*	1	22.4	30
	16.2 (162)	19	1	48.4	60	1	42.4	60	*	*	*	1	17.2	25
	11.2 (112)	13	1	34.5	45	1	30.3	40	*	*	*	1	12.4	20



ARCHITECTURAL CONTOUR 8

Electric Heated Air Curtain

Electrical Performance Sheet

			120/1/60 - 480/3/60 (voltage code K) 120V MOTOR AMP DRAW = 3.4 each								208/1/60 - 480/3/60 (voltage code S) 208V MOTOR AMP DRAW = 1.7 each								240/1/60 - 480/3/60 (voltage code U) 240V MOTOR AMP DRAW = 1.7 each						380/3/50 (voltage code O) MOTOR AMP DRAW = 1.7 each	
MODEL	kW (code)	Temp Rise °F	# CKTS	AMPS PER CIRCUIT (including motor)		BREAKER RATING PER CIRCUIT		# CKTS	AMPS PER CIRCUIT (including motor)		BREAKER RATING PER CIRCUIT		# CKTS	AMPS PER CIRCUIT (including motor)		BREAKER RATING PER CIRCUIT		# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING 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-E-1036E AC08-E-1042E	10 (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 (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 (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 (040)	12	2	3.4	6.0	15	15	2	1.7	6.0	15	15	2	1.7	6.0	15	15	-	7.8	15						
AC08-E-1048E AC08-E-1060E	14.4 (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 (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 (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 (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-E-1072E	20 (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 (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 (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 (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-E-2084E	20 (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 (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 (112)	15	-	6.8	13.5	15	20	-	3.4	13.5	15	20	-	3.4	13.5	15	20	1	20.4	30						
	8 (080)	10	-	6.8	9.6	15	15	-	3.4	9.6	15	15	-	3.4	9.6	15	15	1	15.6	20						
AC08-E-2096E AC08-E-2108E AC08-E-2120E	28.8 (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 (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 (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 (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						



ARCHITECTURAL CONTOUR 8

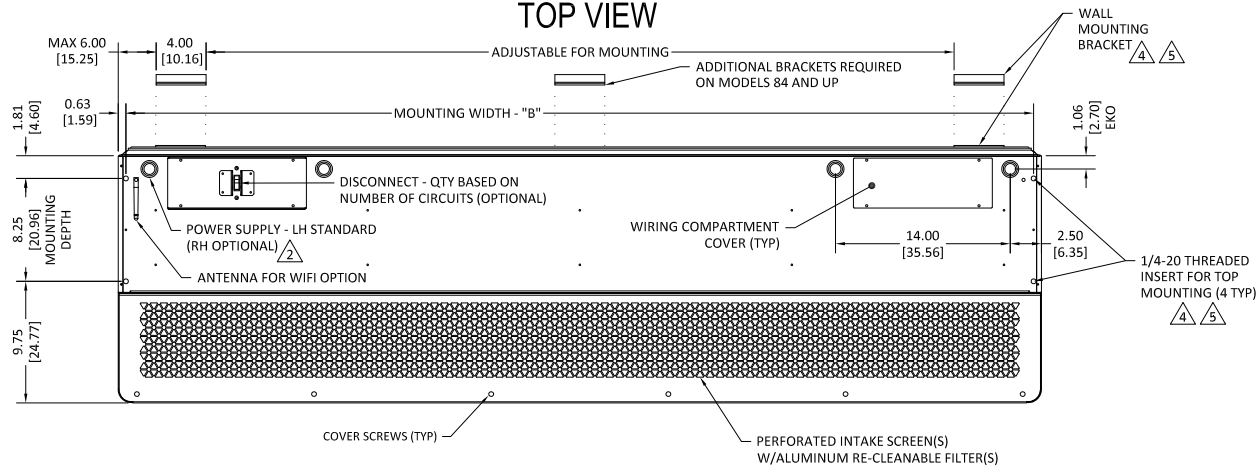
Electric Heated Air Curtain

Electrical Performance Sheet

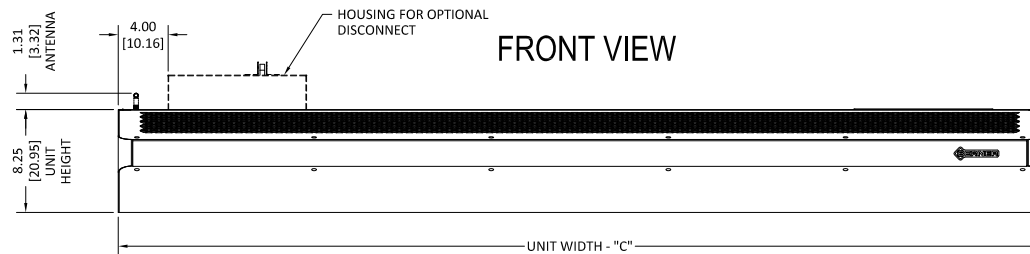
			120/1/60 - 600/3/60 (voltage code L) 120V MOTOR AMP DRAW = 3.4 each							208/1/60 - 600/3/60 (voltage code M) 208V MOTOR AMP DRAW = 1.7 each							240/1/60 - 600/3/60 (voltage code N) 240V MOTOR AMP DRAW = 1.7 each			
MODEL	kW (code)	Temp Rise °F	# CKTS	AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT		# CKTS	AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT		# CKTS	AMPS PER CIRCUIT		BREAKER RATING 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-E-1036E AC08-E-1042E	10 (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 (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 (056)	17	2	3.4	5.4	15	15	2	1.7	5.4	15	15	2	1.7	5.4	15	15			
	4 (040)	12	2	3.4	3.8	15	15	2	1.7	3.8	15	15	2	1.7	3.8	15	15			
AC08-E-1048E AC08-E-1060E	14.4 (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 (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 (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 (056)	13	2	3.4	5.4	15	15	2	1.7	5.4	15	15	2	1.7	5.4	15	15			
AC08-E-1072E	20 (200)	30	2	3.4	19.2	15	25	2	1.7	19.2	15	25	2	1.7	19.2	15	25			
	15 (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 (112)	17	2	3.4	10.8	15	15	2	1.7	10.8	15	15	2	1.7	10.8	15	15			
	8 (080)	12	2	3.4	7.7	15	15	2	1.7	7.7	15	15	2	1.7	7.7	15	15			
AC08-E-2084E	20 (200)	26	2	6.8	19.2	15	25	2	3.4	19.2	15	25	2	3.4	19.2	15	25			
	15 (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 (112)	15	2	6.8	10.8	15	15	2	3.4	10.8	15	15	2	3.4	10.8	15	15			
	8 (080)	10	2	6.8	7.7	15	15	2	3.4	7.7	15	15	2	3.4	7.7	15	15			
AC08-E-2096E AC08-E-2108E AC08-E-2120E	28.8 (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 (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 (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 (112)	13	2	6.8	10.8	15	15	2	3.4	10.8	15	15	2	3.4	10.8	15	15			

AC08-E ELECTRIC HEATED SYSTEM: 208 - 480V

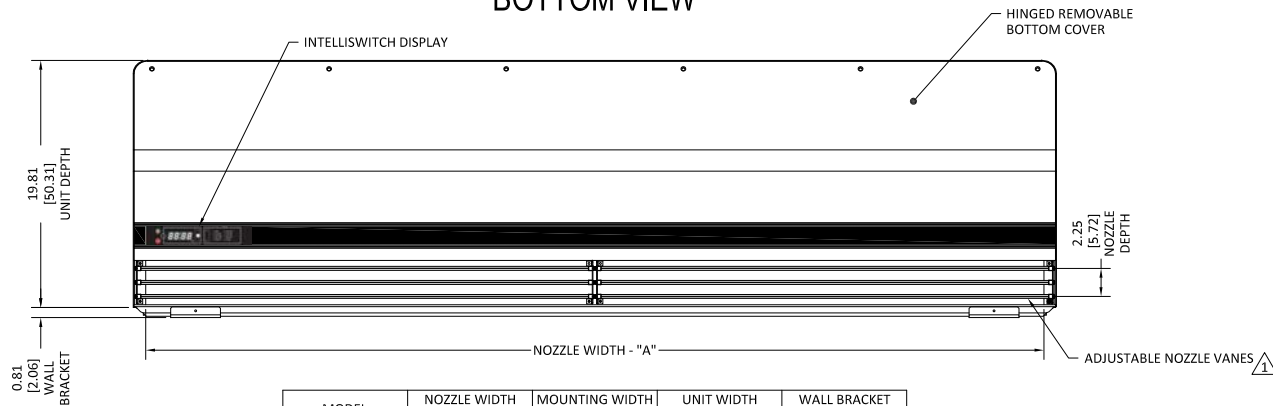
TOP VIEW



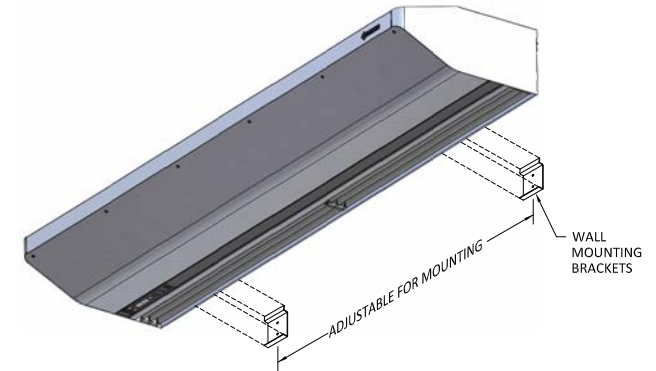
FRONT VIEW



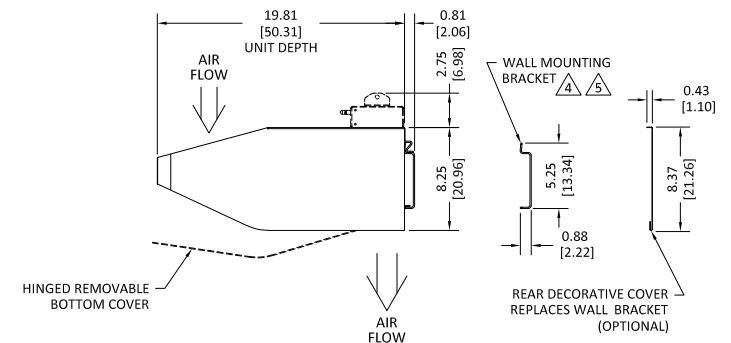
BOTTOM VIEW



MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"	WALL BRACKET QTY
AC08-E-1036E	36.00 [91.44]	36.75 [93.35]	38.00 [96.52]	2
AC08-E-1042E	42.00 [106.68]	42.75 [108.59]	44.00 [111.76]	2
AC08-E-1048E	48.00 [121.92]	48.75 [123.83]	50.00 [127.00]	2
AC08-E-1060E	60.00 [152.40]	60.75 [154.31]	62.00 [157.48]	2
AC08-E-1072E	72.00 [182.88]	72.75 [184.79]	74.00 [187.96]	2
AC08-E-2084E	84.00 [213.36]	84.75 [215.27]	86.00 [218.44]	3
AC08-E-2096E	96.00 [243.84]	96.75 [245.75]	98.00 [248.92]	3
AC08-E-2108E	108.00 [274.32]	108.75 [276.23]	110.00 [279.40]	3
AC08-E-2120E	118.00 [299.72]	118.75 [301.63]	120.00 [304.80]	3



END VIEW



NOTES:

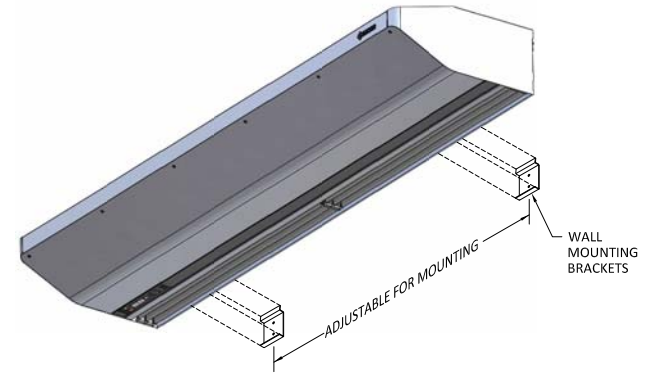
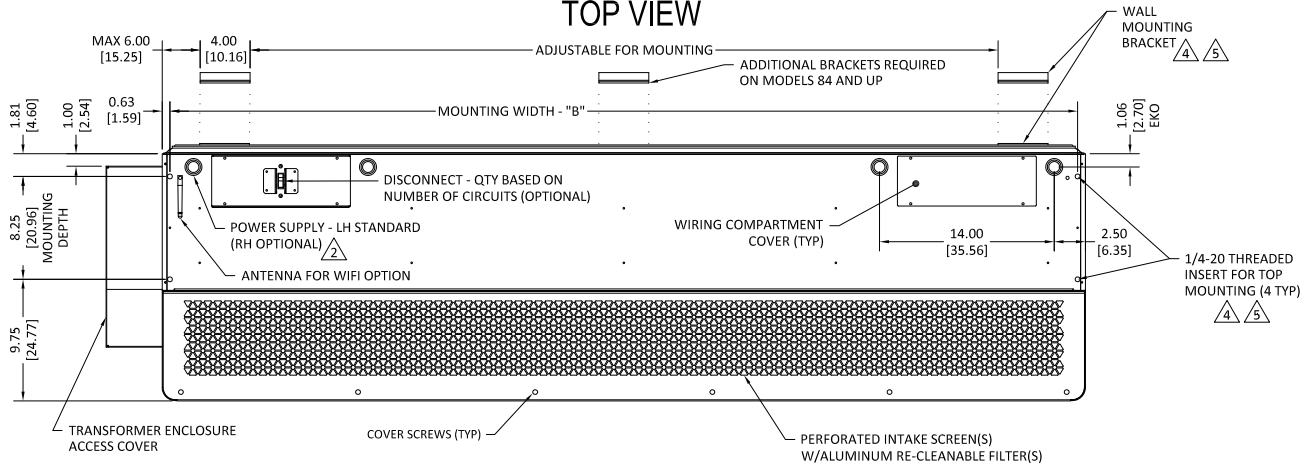
- 1 AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF Q.
- 2 ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- 3 FIELD VERIFY DIMENSIONS.
- 4 ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- 5 ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL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

SHEET 1 OF 1

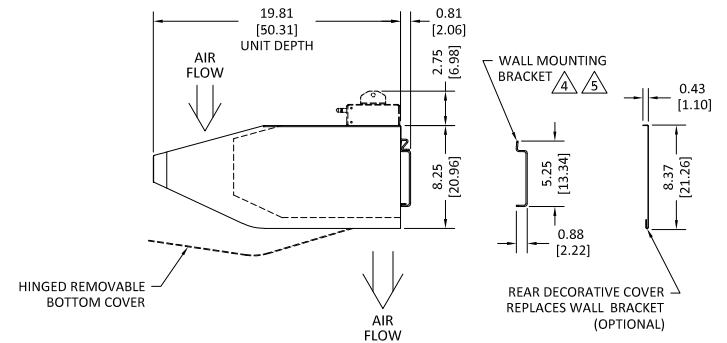
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LOCATION			
ARCHITECT			
ENGINEER			
DWG. NO.	AC08-E-ELE	TITLE:	BERNER
DATE	02FEB2022		MODEL AC08-E AIR CURTAIN 208 - 480V
BY	D. Johnson		ELECTRIC HEATED SYSTEM
REPLACES	24NOV2021		
BY	D. Johnson		BERNER INTERNATIONAL CORP. NEW CASTLE, PA.

AC08-E ELECTRIC HEATED SYSTEM: 600V

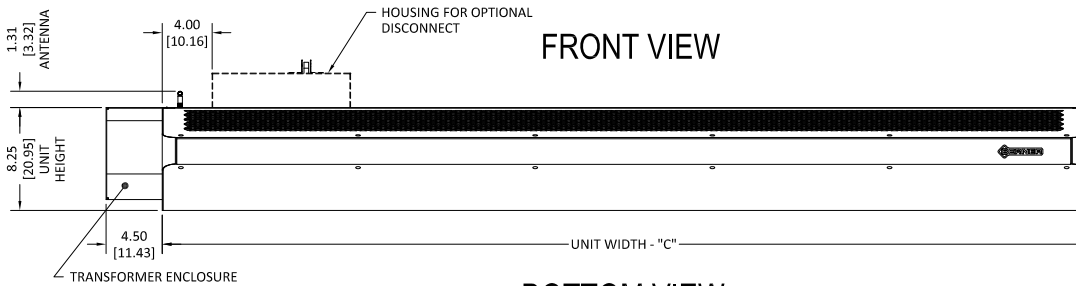
TOP VIEW



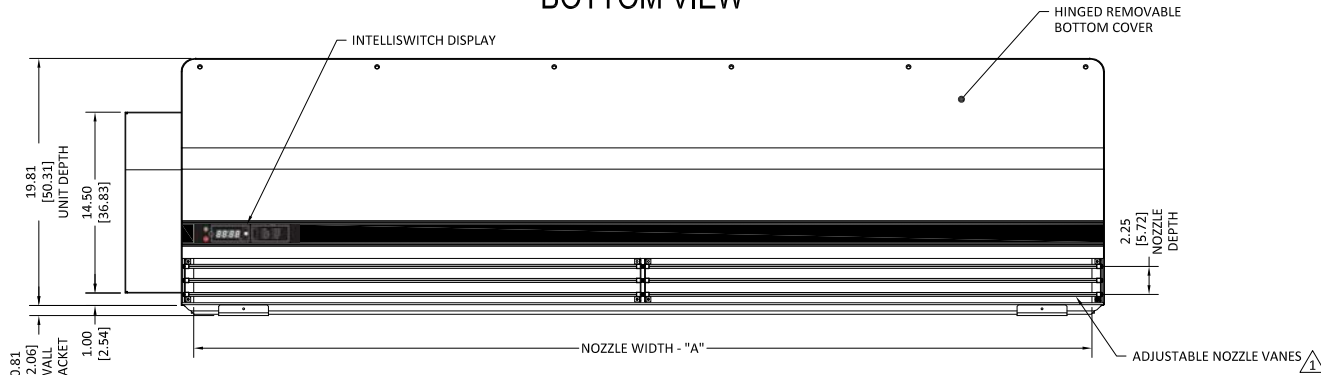
END VIEW



FRONT VIEW



BOTTOM VIEW



MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"	WALL BRACKET QTY
AC08-E-1036E	36.00 [91.44]	36.75 [93.35]	38.00 [96.52]	2
AC08-E-1042E	42.00 [106.68]	42.75 [108.59]	44.00 [111.76]	2
AC08-E-1048E	48.00 [121.92]	48.75 [123.83]	50.00 [127.00]	2
AC08-E-1060E	60.00 [152.40]	60.75 [154.31]	62.00 [157.48]	2
AC08-E-1072E	72.00 [182.88]	72.75 [184.79]	74.00 [187.96]	2
AC08-E-2084E	84.00 [213.36]	84.75 [215.27]	86.00 [218.44]	3
AC08-E-2096E	96.00 [243.84]	96.75 [245.75]	98.00 [248.92]	3
AC08-E-2108E	108.00 [274.32]	108.75 [276.23]	110.00 [279.40]	3
AC08-E-2120E	118.00 [299.72]	118.75 [301.63]	120.00 [304.80]	3

NOTES:

- AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF Q.
- 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 [CENTIMETERS].

SHEET 1 OF 1

PROJECT		REV	-
LOCATION			
ARCHITECT			
ENGINEER			
DWG. NO.	AC08-E-ELE-600	TITLE:	BERNER
DATE	02FEB2022		MODEL AC08-E AIR CURTAIN 600V
BY	D. Johnson		ELECTRIC HEATED SYSTEM
REPLACES	01DEC2021		
BY	D. Johnson		BERNER INTERNATIONAL CORP. NEW CASTLE, PA.