



ARCHITECTURAL ICON 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 AI08-F-1036E

	40	80	120
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 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**



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)
AI08-F-1036E	36.00	2,251	1,691	951	84%	0.20	1 @ 1/5	10.0	34.1	33°	53
AI08-F-1042E	42.00	2,317	1,728	1,134	83%	0.23	1 @ 1/5	10.0	34.1	28°	58
AI08-F-1048E	48.00	2,335	1,779	1,334	81%	0.26	1 @ 1/5	14.4	49.1	34°	63
AI08-F-1060E	59.00	2,189	1,808	1,667	81%	0.32	1 @ 1/5	14.4	49.1	27°	74
AI08-F-1072E	72.00	2,149	1,582	1,780	84%	0.32	1 @ 1/5	20.0	68.3	35°	89
AI08-F-2078E	78.00	2,317	1,711	2,085	83%	0.42	2 @ 1/5	20.0	68.3	30°	106
AI08-F-2084E	84.00	2,317	1,728	2,268	83%	0.45	2 @ 1/5	20.0	68.3	28°	116
AI08-F-2096E	96.00	2,335	1,779	2,668	81%	0.52	2 @ 1/5	28.8	98.3	34°	126
AI08-F-2108E	108.00	2,335	1,778	3,001	81%	0.58	2 @ 1/5	28.8	98.3	30°	137
AI08-F-2120E	118.00	2,189	1,808	3,334	81%	0.64	2 @ 1/5	28.8	98.3	27°	148

See sheets EP-282E-AC & EP-282E-EC for amp draws/total load requirements.
600/3/60 power supply includes transformer housing, See drawing AI08-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

AI08-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
AI08	F	1, 2	036" - 120"	E=Electric Heated	AC & EC motors B = 208/1/60* J = 240/1/60* V = 230/1/50*	10.0 - 28.8 (100 - 288) See sheet EP-282	AC (Std.) EC (Opt.)	CB=BASIC (Std.) CM=BMS (Opt.)	D=Physical Interconnect (daisy chain)	R=Remote Display TB=Tablet	SS=Stainless Steel CC=Custom Color

STANDARD CONSTRUCTION

- 8 1/4" high x 16" 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-282E
- Berner AIR® BMS (smart control with BACnet and Modbus capabilities)
- Custom Color or Stainless
- Rear cover for top mounting to conceal fasteners

*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-282 for available lengths and voltages

for Standard offering, leave options (Opt.) blank

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-282E
July, 2025



ARCHITECTURAL ICON 8 - AC MOTORS

Electric Heated Air Curtain

Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	208/1/60 (voltage code B) AC MOTOR AMP DRAW = 1.7 each			240/1/60 (voltage code J) or 230/1/50 (voltage code V) AC MOTOR AMP DRAW = 1.7 each			277/1/60 (voltage code W) AC MOTOR AMP DRAW = 2.3 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
AI08-F-1036E AI08-F-1042E	10 (100)	30	1	49.8	60	1	43.4	60	1	38.4	50
	7.5 (075)	23	1	37.8	50	1	33.0	45	1	29.4	40
	5.6 (056)	17	1	28.6	40	1	25.0	35	1	22.5	30
	4 (040)	12	1	20.9	30	1	18.4	25	1	16.7	25
AI08-F-1048E AI08-F-1060E	14.4 (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 (108)	25	2	27.7/26.0	35/35	1	46.7	60	1	41.3	60
	8.1 (081)	18	1	40.6	60	1	35.5	45	1	31.5	40
	5.6 (056)	13	1	28.6	40	1	25.0	35	1	22.5	30
AI08-F-1072E	20 (200)	30	-	N/A	N/A	2	43.4/41.7	60/60	2	38.4/36.1	50/50
	15 (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 (112)	17	2	28.6/26.9	40/35	1	48.4	60	1	42.7	60
	8 (080)	12	1	40.2	60	1	35.0	45	1	31.2	40
AI08-F-2078E AI08-F-2084E	20 (200)	26	-	N/A	N/A	-	N/A	N/A	2	40.7/36.1	60/50
	15 (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 (112)	15	2	30.3/26.9	40/35	1	50.1	60	1	45.0	60
	8 (080)	10	1	41.9	60	1	36.7	50	1	33.5	45
AI08-F-2096E AI08-F-2108E AI08-F-2120E	28.8 (288)	33	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	21.6 (216)	25	-	N/A	N/A	-	N/A	N/A	-	43.6/39.0	60/50
	16.2 (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 (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 ICON 8 - AC MOTORS

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Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	208/3/60 (voltage code X) AC MOTOR AMP DRAW = 1.7 each			240/3/60 (voltage code Y) AC MOTOR AMP DRAW = 1.7 each			480/3/60 (voltage code WZ) - 4 Wire System AC MOTOR AMP DRAW = 2.3 each @ 277V			600/3/60 (voltage code L-XI) XFMR 600/120 0.5kVA per MTR @ 0.8 each AC 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
AI08-F-1036E AI08-F-1042E	10 (100)	30	1	29.5	40	1	25.8	35	1	14.3	20	1	10.4	15
	7.5 (075)	23	1	22.5	30	1	19.7	25	1	11.3	15	1	8.0	15
	5.6 (056)	17	1	17.2	25	1	15.2	20	1	9.0	15	1	6.2	15
	4 (040)	12	1	12.8	20	1	11.3	15	1	7.1	15	1	4.6	15
AI08-F-1048E AI08-F-1060E	14.4 (144)	33	1	41.7	60	1	36.3	50	1	19.6	25	1	14.7	20
	10.8 (108)	25	1	31.7	40	1	27.7	35	1	15.3	20	1	11.2	15
	8.1 (081)	19	1	24.2	35	1	21.2	30	1	12.0	20	1	8.6	15
	5.6 (056)	13	1	17.2	25	1	15.2	20	1	9.0	15	1	6.2	15
AI08-F-1072E	20 (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 (150)	23	1	43.3	60	1	37.8	50	1	20.3	30	1	15.2	20
	11.2 (112)	17	1	32.8	45	1	28.6	40	1	15.8	20	1	11.6	15
	8 (080)	12	1	23.9	30	1	20.9	30	1	11.9	15	1	8.5	15
AI08-F-2078E AI08-F-2084E	20 (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 (150)	20	1	45.0	60	1	39.5	50	1	22.6	30	1	16.0	20
	11.2 (112)	15	1	34.5	45	1	30.3	40	1	18.1	25	1	12.4	20
	8 (080)	10	1	25.6	35	1	22.6	30	1	14.2	20	1	9.3	15
AI08-F-2096E AI08-F-2108E AI08-F-2120E	28.8 (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 (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 (162)	19	1	48.4	60	1	42.4	60	1	24.1	30	1	17.2	25
	11.2 (112)	13	1	34.5	45	1	30.3	40	1	18.1	25	1	12.4	20

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Electrical Performance Sheet

			120/1/60 - 480/3/60 (voltage code K) 120V AC MOTOR AMP DRAW = 3.4 each					208/1/60 - 480/3/60 (voltage code S) 208V AC MOTOR AMP DRAW = 1.7 each					240/1/60 - 480/3/60 (voltage code U) 240V AC MOTOR AMP DRAW = 1.7 each					380/3/50 (voltage code O) 4 Wire System AC 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			
AI08-F-1036E AI08-F-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	1	7.8	15
AI08-F-1048E AI08-F-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
AI08-F-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
AI08-F-2078E AI08-F-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	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 (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
AI08-F-2096E AI08-F-2108E AI08-F-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

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Electrical Performance Sheet

			120/1/60 - 600/3/60 (voltage code L) 120V AC MOTOR AMP DRAW = 3.4 each						208/1/60 - 600/3/60 (voltage code M) 208V AC MOTOR AMP DRAW = 1.7 each					240/1/60 - 600/3/60 (voltage code N) 240V AC 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	
				120V/1	600V/3	120V/1	600V/3		208V/1	600V/3	208V/1	600V/3		240V/1	600V/3	240V/1	600V/3
AI08-F-1036E AI08-F-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
AI08-F-1048E AI08-F-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
AI08-F-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
AI08-F-2078E AI08-F-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
AI08-F-2096E AI08-F-2108E AI08-F-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

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Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	208/1/60 (voltage code B) EC MOTOR AMP DRAW = 2.5 each			240/1/60 (voltage code J) or 230/1/50 (voltage code V) EC MOTOR AMP DRAW = 2.5 each			277/1/60 (voltage code W) EC MOTOR AMP DRAW = 2.2 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
AI08-F-1036E AI08-F-1042E	10 (100)	30	1	50.6	60	1	44.2	60	1	38.3	50
	7.5 (075)	23	1	38.6	50	1	33.8	45	1	29.3	40
	5.6 (056)	17	1	29.4	40	1	25.8	35	1	22.4	30
	4 (040)	12	1	21.7	30	1	19.2	25	1	16.6	25
AI08-F-1048E AI08-F-1060E	14.4 (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 (108)	25	2	28.5/26.0	40/35	1	47.5	60	1	41.2	60
	8.1 (081)	18	1	41.4	60	1	36.3	50	1	31.4	40
	5.6 (056)	13	1	29.4	40	1	25.8	35	1	22.4	30
AI08-F-1072E	20 (200)	30	-	N/A	N/A	2	44.2/41.7	60/60	2	38.3/36.1	50/50
	15 (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 (112)	17	2	29.4/26.9	40/35	1	49.2	60	1	42.6	60
	8 (080)	12	1	41.0	60	1	35.8	45	1	31.1	40
AI08-F-2078E AI08-F-2084E	20 (200)	26	-	N/A	N/A	-	N/A	N/A	2	40.5/36.1	60/50
	15 (150)	19	2	41.1/36.1	60/50	2	36.3/31.3	45/40	2	31.5/27.1	40/35
	11.2 (112)	15	2	31.9/26.9	40/35	2	28.3/23.3	35/30	1	44.8	60
	8 (080)	10	1	43.5	60	1	38.3	50	1	33.3	45
AI08-F-2096E AI08-F-2108E AI08-F-2120E	28.8 (288)	33	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	21.6 (216)	25	-	N/A	N/A	-	N/A	N/A	2	43.4/39.0	60/50
	16.2 (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 (112)	13	2	31.9/26.9	40/35	2	28.3/23.3	35/30	1	44.8	60

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July, 2025

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ARCHITECTURAL ICON 8 - EC MOTORS

Electric Heated Air Curtain

Electrical Performance Sheet

			208/3/60 (voltage code X) EC MOTOR AMP DRAW = 2.5 each			240/3/60 (voltage code Y) EC MOTOR AMP DRAW = 2.5 each			480/3/60 (voltage code WZ) - 4 Wire System EC MOTOR AMP DRAW = 2.2 each @ 277V			600/3/60 (voltage code L-XI) XFMR 600/120 0.5kVA per MTR @ 0.8 each EC MOTOR AMP DRAW = 4.4 each @ 120V		
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
AI08-F-1036E AI08-F-1042E	10 (100)	30	1	30.3	40	1	26.6	35	1	14.2	20	1	10.4	15
	7.5 (075)	23	1	23.3	30	1	20.5	30	1	11.2	15	1	8.0	15
	5.6 (056)	17	1	18.0	25	1	16.0	20	1	8.9	15	1	6.2	15
	4 (040)	12	1	13.6	20	1	12.1	20	1	7.0	15	1	4.6	15
AI08-F-1048E AI08-F-1060E	14.4 (144)	33	1	42.5	60	1	37.1	50	1	19.5	25	1	14.7	20
	10.8 (108)	25	1	32.5	45	1	28.5	40	1	15.2	20	1	11.2	15
	8.1 (081)	18	1	25.0	35	1	22.0	30	1	11.9	15	1	8.6	15
	5.6 (056)	13	1	18.0	25	1	16.0	20	1	8.9	15	1	6.2	15
AI08-F-1072E	20 (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 (150)	23	1	44.1	60	1	38.6	50	1	20.2	30	1	15.2	20
	11.2 (112)	17	1	33.6	45	1	29.4	40	1	15.7	20	1	11.6	15
	8 (080)	12	1	24.7	35	1	21.7	30	1	11.8	15	1	8.5	15
AI08-F-2078E AI08-F-2084E	20 (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 (150)	19	1	46.6	60	1	41.1	60	1	22.4	30	1	16.0	20
	11.2 (112)	15	1	36.1	45	1	31.9	40	1	17.9	25	1	12.4	20
	8 (080)	10	1	27.2	35	1	24.2	30	1	14.0	20	1	9.3	15
AI08-F-2096E AI08-F-2108E AI08-F-2120E	28.8 (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 (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 (162)	19	1	50.0	60	1	44.0	60	1	23.9	30	1	17.2	25
	11.2 (112)	13	1	36.1	45	1	31.9	40	1	17.9	25	1	12.4	20

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July, 2025



ARCHITECTURAL ICON 8 - EC MOTORS

Electric Heated Air Curtain

Electrical Performance Sheet

			120/1/60 - 480/3/60 (voltage code K) 120V EC MOTOR AMP DRAW = 4.4 each								208/1/60 - 480/3/60 (voltage code S) 208V EC MOTOR AMP DRAW = 2.5 each								240/1/60 - 480/3/60 (voltage code U) 240V EC MOTOR AMP DRAW = 2.5 each							380/3/50 (voltage code O) 4 Wire System EC MOTOR AMP DRAW = 2.5 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		# 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											
AI08-F-1036E AI08-F-1042E	10 (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 (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 (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 (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								
AI08-F-1048E AI08-F-1060E	14.4 (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 (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 (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 (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								
AI08-F-1072E	20 (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 (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 (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 (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								
AI08-F-2078E AI08-F-2084E	20 (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 (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 (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 (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								
AI08-F-2096E AI08-F-2108E AI08-F-2120E	28.8 (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 (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 (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 (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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ARCHITECTURAL ICON 8 - EC MOTORS

Electric Heated Air Curtain

Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	120/1/60 - 600/3/60 (voltage code L) 120V EC MOTOR AMP DRAW = 4.4 each				208/1/60 - 600/3/60 (voltage code M) 208V EC MOTOR AMP DRAW = 2.5 each				240/1/60 - 600/3/60 (voltage code N) 240V EC MOTOR AMP DRAW = 2.5 each			
			# 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			208V/1	600V/3			240V/1	600V/3	
AI08-F-1036E AI08-F-1042E	10 (100)	30	2	4.4	9.6	15	2	2.5	9.6	15	2	2.5	9.6	15
	7.5 (075)	23	2	4.4	7.2	15	2	2.5	7.2	15	2	2.5	7.2	15
	5.6 (056)	17	2	4.4	5.4	15	2	2.5	5.4	15	2	2.5	5.4	15
	4 (040)	12	2	4.4	3.8	15	2	2.5	3.8	15	2	2.5	3.8	15
AI08-F-1048E AI08-F-1060E	14.4 (144)	33	2	4.4	13.9	15	2	2.5	13.9	15	2	2.5	13.9	15
	10.8 (108)	25	2	4.4	10.4	15	2	2.5	10.4	15	2	2.5	10.4	15
	8.1 (081)	19	2	4.4	7.8	15	2	2.5	7.8	15	2	2.5	7.8	15
	5.6 (056)	13	2	4.4	5.4	15	2	2.5	5.4	15	2	2.5	5.4	15
AI08-F-1072E	20 (200)	30	2	4.4	19.2	15	2	2.5	19.2	15	2	2.5	19.2	15
	15 (150)	23	2	4.4	14.4	15	2	2.5	14.4	15	2	2.5	14.4	15
	11.2 (112)	17	2	4.4	10.8	15	2	2.5	10.8	15	2	2.5	10.8	15
	8 (080)	12	2	4.4	7.7	15	2	2.5	7.7	15	2	2.5	7.7	15
AI08-F-2078E AI08-F-2084E	20 (200)	26	2	8.8	19.2	15	2	5.0	19.2	15	2	5.0	19.2	15
	15 (150)	20	2	8.8	14.4	15	2	5.0	14.4	15	2	5.0	14.4	15
	11.2 (112)	15	2	8.8	10.8	15	2	5.0	10.8	15	2	5.0	10.8	15
	8 (080)	10	2	8.8	7.7	15	2	5.0	7.7	15	2	5.0	7.7	15
AI08-F-2096E AI08-F-2108E AI08-F-2120E	28.8 (288)	33	2	8.8	27.7	15	2	5.0	27.7	15	2	5.0	27.7	15
	21.6 (216)	25	2	8.8	20.8	15	2	5.0	20.8	15	2	5.0	20.8	15
	16.2 (162)	19	2	8.8	15.6	15	2	5.0	15.6	15	2	5.0	15.6	15
	11.2 (112)	13	2	8.8	10.8	15	2	5.0	10.8	15	2	5.0	10.8	15

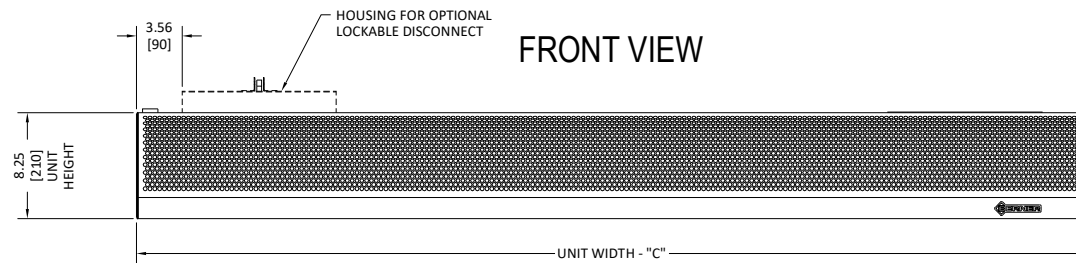
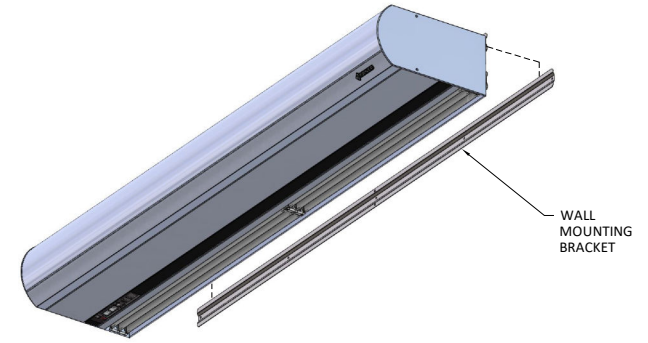
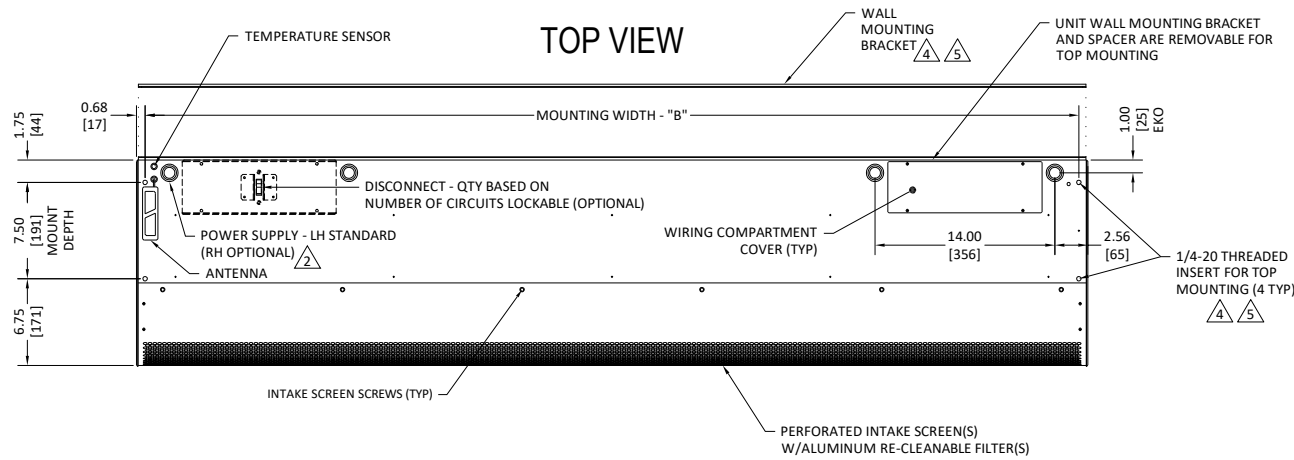
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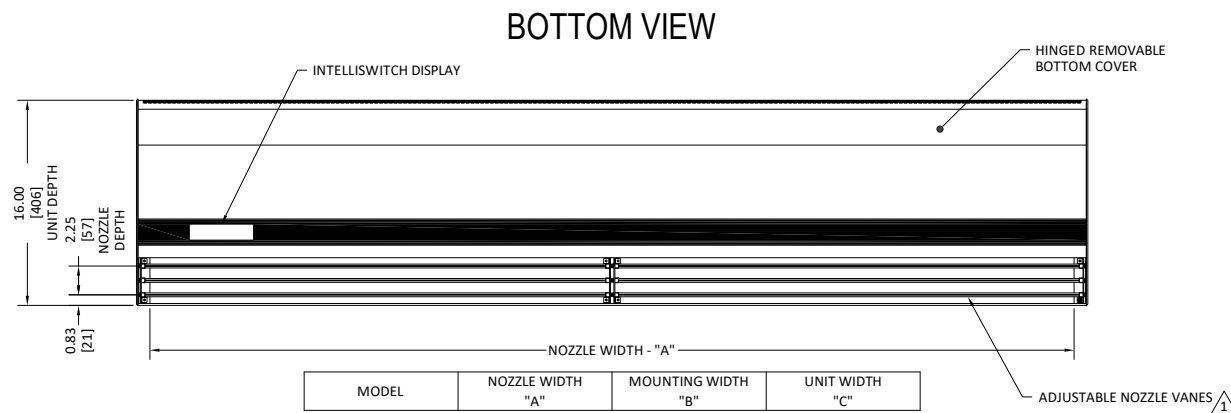
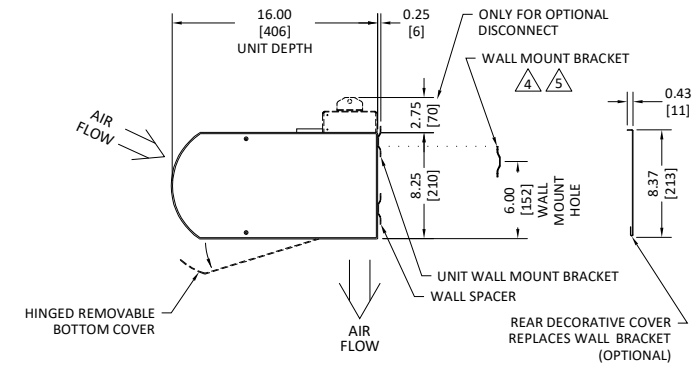
EP-282E-EC
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AI08-F ELECTRIC HEATED SYSTEM: 208 - 240V



END VIEW



MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
AI08-F-1036E	36.00 [914]	36.75 [934]	38.13 [968]
AI08-F-1042E	42.00 [1067]	42.75 [1086]	44.13 [1121]
AI08-F-1048E	48.00 [1219]	48.75 [1238]	50.13 [1273]
AI08-F-1060E	59.00 [1499]	59.75 [1518]	61.13 [1553]
AI08-F-1072E	72.00 [1829]	72.75 [1848]	74.13 [1883]
AI08-F-1078E	78.00 [1981]	78.75 [2000]	80.13 [2035]
AI08-F-2084E	84.00 [2134]	84.75 [2153]	86.13 [2188]
AI08-F-2096E	96.00 [2438]	96.75 [2458]	98.13 [2492]
AI08-F-2108E	108.00 [2743]	108.75 [2762]	110.13 [2797]
AI08-F-2120E	118.00 [2997]	118.75 [3016]	120.13 [3051]

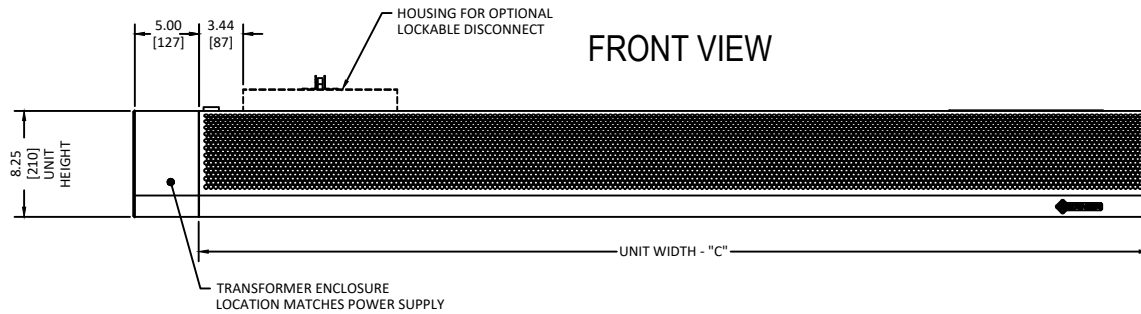
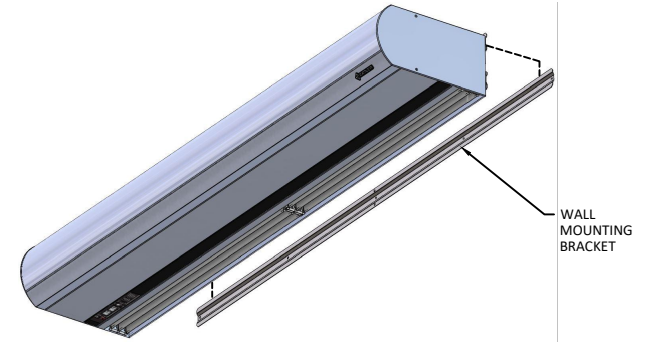
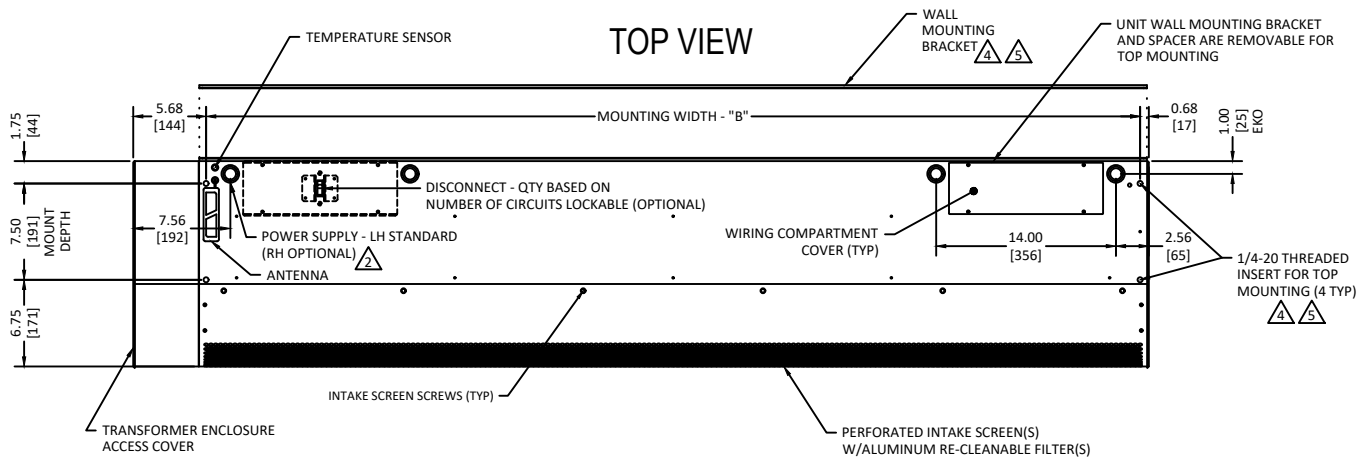
NOTES:

- 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].

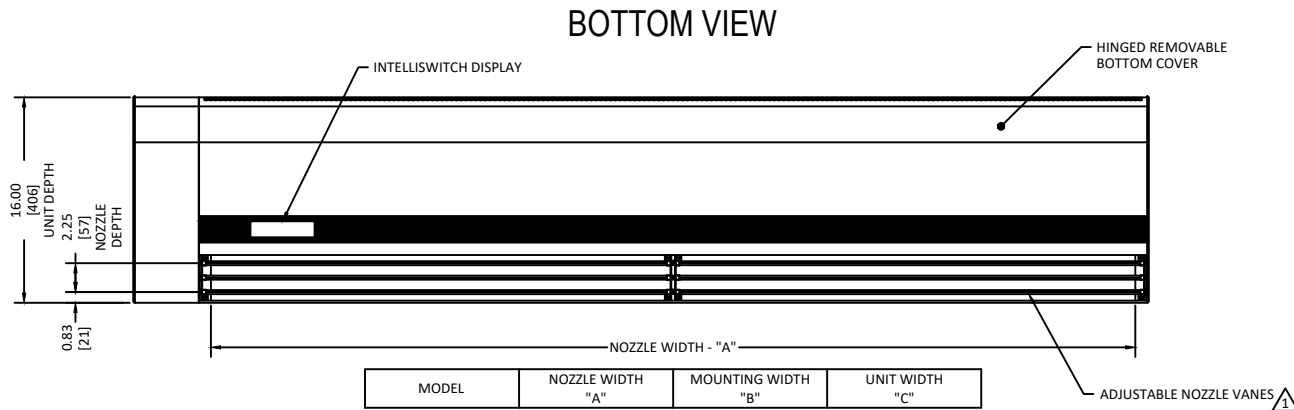
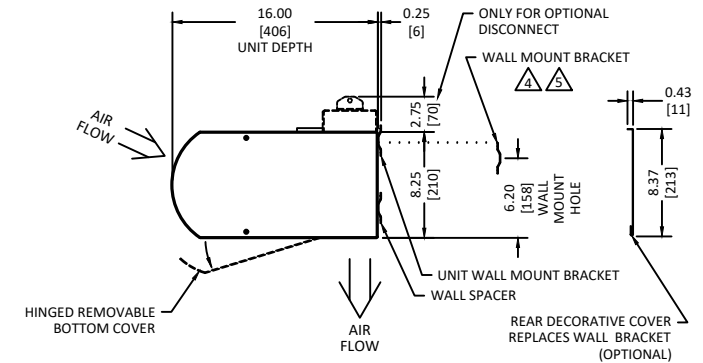
SHEET 1 OF 1

PROJECT		REV	0
LOCATION			
ARCHITECT			
ENGINEER			
DWG. NO.	AI08-F-ELE-208	TITLE:	BERNER
DATE	23JAN2025		MODEL AI08-F AIR CURTAIN 208 - 480V ELECTRIC HEATED SYSTEM
BY	S. Beil		
REPLACES	10JUL2023		
BY	D.Johnson		BERNER INTERNATIONAL CORP. NEW CASTLE, PA.

AI08-F ELECTRIC HEATED SYSTEM: 277 - 600V



END VIEW



MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
AI08-F-1036E	36.00 [914]	36.75 [934]	38.13 [968]
AI08-F-1042E	42.00 [1067]	42.75 [1086]	44.13 [1121]
AI08-F-1048E	48.00 [1219]	48.75 [1238]	50.13 [1273]
AI08-F-1060E	59.00 [1499]	59.75 [1518]	61.13 [1553]
AI08-F-1072E	72.00 [1829]	72.75 [1848]	74.13 [1883]
AI08-F-1078E	78.00 [1981]	78.75 [2000]	80.13 [2035]
AI08-F-2084E	84.00 [2134]	84.75 [2153]	86.13 [2188]
AI08-F-2096E	96.00 [2438]	96.75 [2458]	98.13 [2492]
AI08-F-2108E	108.00 [2743]	108.75 [2762]	110.13 [2797]
AI08-F-2120E	118.00 [2997]	118.75 [3016]	120.13 [3051]

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 [MILLIMETERS].

SHEET 1 OF 1

PROJECT		REV	0
LOCATION			
ARCHITECT			
ENGINEER			
DWG. NO.	AI08-F-ELE-600	TITLE:	BERNER
DATE	23JAN2025		MODEL AI08-F AIR CURTAIN 600V ELECTRIC HEATED SYSTEM
BY	S. Beil		
REPLACES	10JUL2023		
BY	D.Johnson		BERNER INTERNATIONAL CORP. NEW CASTLE, PA.