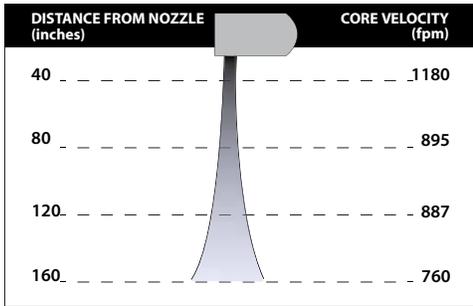


Vestibule Exception Compliance: up to 14 ft. AFF / Optimal Environmental Separation: up to 10 ft. AFF



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)
AI10-F-1036E	36.00	3,552	1,968	1,353	80%	0.45	1 @ ½	14	47.8	33°	88
AI10-F-1042E	42.00	3,543	1,773	1,422	82%	0.47	1 @ ½	14	47.8	31°	97
AI10-F-1048E	48.00	3,919	1,927	1,766	92%	0.63	1 @ ½	14	47.8	25°	113
AI10-F-1060E	59.00	4,087	1,594	1,796	86%	0.59	1 @ ½	14	47.8	25°	122
AI10-F-2072E	72.00	3,552	1,968	2,706	80%	0.90	2 @ ½	28	95.6	33°	176
AI10-F-2078E	78.00	3,552	1,863	2,775	80%	0.92	2 @ ½	28	95.6	32°	194
AI10-F-2084E	84.00	3,543	1,773	2,844	82%	0.94	2 @ ½	28	95.6	31°	194
AI10-F-2096E	96.00	3,919	1,927	3,532	92%	1.26	2 @ ½	28	95.6	25°	226
AI10-F-2108E	108.00	4,087	1,727	3,562	86%	1.22	2 @ ½	28	95.6	25°	235
AI10-F-2120E	118.00	4,087	1,594	3,592	86%	1.18	2 @ ½	28	95.6	25°	244
AI10-F-3132E	132.00	3,919	1,938	4,885	80%	1.71	3 @ ½	42	143.3	27°	314
AI10-F-3144E	144.00	3,919	1,927	5,298	92%	1.89	3 @ ½	42	143.3	25°	339

See sheets EP-292E-AC & EP-292E-EC for amp draws/total load requirements. 600/3/60 power supply includes extended cabinet, See drawing AI10-F-ELE-600

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

MODEL NUMBER CONFIGURATION

AI10-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
AI10	F	1, 2, 3	036" - 144"	E=Electric Heated	AC & EC motors B = 208/1/60* J = 240/1/60* V = 230/1/50* 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 † W = 277/1/60* WZ = 480/3/60**	14.0 - 42.0 (140 - 420)	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

See sheet EP-292 for alternate kW code

*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 12" to cabinet width for transformer
 See sheet EP-292 for available lengths and voltages

for Standard offering, leave options (Opt.) blank

STANDARD CONSTRUCTION

- 12 ¾" high x 22" deep
- 1/2 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
- Patented single stage venturi electric heater (open element)
- Filter (washable)

OPTIONS

- 1/2 hp EC motor(s) - ten speeds
- Alternate kW: see sheet EP-292E
- Berner AIR® BMS (smart control with BACnet and Modbus capabilities)
- Custom Color or Stainless
- Rear cover for top mounting to conceal fasteners

VELOCITY PROJECTION: Model AI10-F-1036E				
Distance from Nozzle (in)	40	80	120	160
Core Velocity (fpm)	1180	895	887	760
Uniformity (%)	83%	84%	92%	97%

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: 53/56 dBA
 2 motors: Min./Max. Speed: 56/59 dBA
 3 motors: Min./Max. Speed: 59/61 dBA
 Sound data is not AMCA certified.

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ARCHITECTURAL ICON 10 - 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 = 4.3 each			240/1/60 (voltage code J) or 230/1/50 (voltage code V) AC MOTOR AMP DRAW = 4.3 each			277/1/60 (voltage code W) AC MOTOR AMP DRAW = 2.6 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
AI10-F-1036E AI10-F-1042E AI10-F-1048E AI10-F-1060E	14 (140)	30	2	26.8/44.9	35/60	2	23.8/38.9	30/50	2	19.4/33.7	25/45
	12 (120)	26	2	23.5/38.5	30/50	2	21.0/33.3	30/45	1	45.9	60
	10 (100)	21	2	20.3/32.0	30/40	1	46.0	60	1	38.7	50
	8 (080)	18	1	42.8	60	1	37.6	50	1	35.1	40
	6 (060)	13	1	33.1	45	1	29.3	40	1	24.3	35
AI10-F-2072E AI10-F-2078E AI10-F-2084E AI10-F-2096E AI10-F-2108E AI10-F-2120E	28 (280)	30	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	24 (240)	26	-	N/A	N/A	-	N/A	N/A	2	48.5/43.3	60/60
	20 (200)	21	-	N/A	N/A	-	N/A	N/A	2	41.3/36.1	60/50
	16 (160)	18	2	47.1/38.5	60/50	2	41.9/33.3	60/45	2	34.1/28.9	45/40
	12 (120)	13	2	37.4/28.8	50/40	2	33.6/25.0	45/35	2	26.9/21.7	35/30
AI10-F-3132E AI10-F-3144E	42 (420)	30	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	36 (360)	26	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	30 (300)	21	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	24 (240)	18	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	18 (180)	13	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A

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ARCHITECTURAL ICON 10 - AC MOTORS

Electric Heated Air Curtain Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	208/3/60 (voltage code X) AC MOTOR AMP DRAW = 4.3 each			240/3/60 (voltage code Y) AC MOTOR AMP DRAW = 4.3 each			480/3/60 (voltage code WZ) - 4 Wire System AC MOTOR AMP DRAW = 2.6 each @ 277V			600/3/60 (voltage code L-XI) XFMR 600/120 1.0kVA per MTR @ 1.7 each AC MOTOR AMP DRAW = 4.4 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
AI10-F-1036E AI10-F-1042E AI10-F-1048E AI10-F-1060E	14 (140)	30	1	43.2	60	1	38.0	50	1	19.4	25	1	15.2	20
	12 (120)	26	1	37.6	50	1	33.2	45	1	17.0	25	1	13.2	20
	10 (100)	21	1	32.1	45	1	28.4	40	1	14.6	20	1	11.3	15
	8 (080)	18	1	26.5	35	1	23.5	30	1	12.2	20	1	9.4	15
	6 (060)	13	1	21.0	30	1	18.7	25	1	9.8	15	1	7.5	15
AI10-F-2072E AI10-F-2078E AI10-F-2084E AI10-F-2096E AI10-F-2108E AI10-F-2120E	28 (280)	30	2	47.5/38.9	60/50	2	42.3/33.7	60/45	1	38.9	50	1	30.3	40
	24 (240)	26	2	41.9/33.3	60/45	2	37.5/28.9	50/40	1	34.1	45	1	26.5	35
	20 (200)	21	2	36.4/27.8	45/35	2	32.7/24.1	40/35	1	29.3	40	1	22.6	30
	16 (160)	18	2	30.8/22.2	40/30	1	47.1	60	1	24.4	30	1	18.8	25
	12 (120)	13	1	41.9	60	1	37.5	50	1	19.6	25	1	14.9	20
AI10-F-3132E AI10-F-3144E	42 (420)	30	3	51.8/38.9/38.9	60/50/50	3	46.6/33.7/33.7	60/45/45	2	24.6/33.7	30/45	1	45.5	60
	36 (360)	26	3	46.2/33.3/33.3	60/45/45	3	41.8/28.9/28.9	60/40/40	2	22.2/28.9	30/40	1	39.7	50
	30 (300)	21	3	40.7/27.8/27.8	50/35/35	2	37.0/48.1	45/60	1	43.9	60	1	34.0	45
	24 (240)	18	2	35.1/44.4	45/60	2	32.1/38.5	40/50	1	36.7	45	1	28.2	35
	18 (180)	13	2	29.6/33.3	35/45	2	27.3/28.9	35/40	1	29.5	40	1	22.4	30

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ARCHITECTURAL ICON 10 - AC MOTORS

Electric Heated Air Curtain Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	120/1/60 - 480/3/60 (voltage code K) 120V AC MOTOR AMP DRAW = 8.5 each				208/1/60 - 480/3/60 (voltage code S) 208V AC MOTOR AMP DRAW = 4.3 each				240/1/60 - 480/3/60 (voltage code U) 240V AC MOTOR AMP DRAW = 4.3 each				380/3/50 (voltage code O) AC MOTOR AMP DRAW = 4.3 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		# 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			
AI10-F-1036E AI10-F-1042E AI10-F-1048E AI10-F-1060E	14 (140)	30	2	8.5	16.8	15	25	2	4.3	16.8	15	25	2	4.3	16.8	15	25	1	25.6	35
	12 (120)	26	2	8.5	14.4	15	20	2	4.3	14.4	15	20	2	4.3	14.4	15	20	1	22.5	30
	10 (100)	21	2	8.5	12.0	15	15	2	4.3	12.0	15	15	2	4.3	12.0	15	15	1	19.5	25
	8 (080)	18	2	8.5	9.6	15	15	2	4.3	9.6	15	15	2	4.3	9.6	15	15	1	16.5	25
	6 (060)	13	2	8.5	7.2	15	15	2	4.3	7.2	15	15	2	4.3	7.2	15	15	1	13.4	20
AI10-F-2072E AI10-F-2078E AI10-F-2084E AI10-F-2096E AI10-F-2108E AI10-F-2120E	28 (280)	30	2	17.0	33.7	25	45	2	8.6	33.7	15	45	2	8.6	33.7	15	45	2	29.9/21.3	40/30
	24 (240)	26	2	17.0	28.9	25	40	2	8.6	28.9	15	40	2	8.6	28.9	15	40	1	45.1	60
	20 (200)	21	2	17.0	24.1	25	35	2	8.6	24.1	15	35	2	8.6	24.1	15	35	1	39.0	50
	16 (160)	18	2	17.0	19.2	25	25	2	8.6	19.2	15	25	2	8.6	19.2	15	25	1	32.9	45
	12 (120)	13	2	17.0	14.4	25	20	2	8.6	14.4	15	20	2	8.6	14.4	15	20	1	26.8	35
AI10-F-3132E AI10-F-3144E	42 (420)	30	3	25.5	33.7/16.8	35	45/25	3	12.9	33.7/16.8	20	45/25	3	12.9	33.7/16.8	20	45/25	2	34.2/42.5	45/60
	36 (360)	26	2	25.5	43.3	35	60	2	12.9	43.3	20	60	2	12.9	43.3	20	60	2	31.1/36.5	40/50
	30 (300)	21	2	25.5	36.1	35	50	2	12.9	36.1	20	50	2	12.9	36.1	20	50	2	28.1/30.4	35/40
	24 (240)	18	2	25.5	28.9	35	40	2	12.9	28.9	20	40	2	12.9	28.9	20	40	1	49.4	60
	18 (180)	13	2	25.5	21.7	35	30	2	12.9	21.7	20	30	2	12.9	21.7	20	30	1	40.2	50

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ARCHITECTURAL ICON 10 - AC MOTORS

**Electric Heated Air Curtain
Electrical Performance Sheet**

MODEL	kW (code)	Temp Rise °F	120/1/60 - 600/3/60 (voltage code L) 120V AC MOTOR AMP DRAW = 8.5 each				208/1/60 - 600/3/60 (voltage code M) 208V AC MOTOR AMP DRAW = 4.3 each				240/1/60 - 600/3/60 (voltage code N) 240V AC MOTOR AMP DRAW = 4.3 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	120V/1	600V/3		208V/1	600V/3	208V/1	600V/3		240V/1	600V/3	240V/1	600V/3
AI10-F-1036E AI10-F-1042E AI10-F-1048E AI10-F-1060E	14 (140)	30	2	8.5	13.5	15	20	2	4.3	13.5	15	20	2	4.3	13.5	15	20
	12 (120)	26	2	8.5	11.5	15	15	2	4.3	11.5	15	15	2	4.3	11.5	15	15
	10 (100)	21	2	8.5	9.6	15	15	2	4.3	9.6	15	15	2	4.3	9.6	15	15
	8 (080)	18	2	8.5	7.7	15	15	2	4.3	7.7	15	15	2	4.3	7.7	15	15
	6 (060)	13	2	8.5	5.8	15	15	2	4.3	5.8	15	15	2	4.3	5.8	15	15
AI10-F-2072E AI10-F-2078E AI10-F-2084E AI10-F-2096E AI10-F-2108E AI10-F-2120E	28 (280)	30	2	17.0	26.9	25	35	2	8.6	26.9	15	35	2	8.6	26.9	15	35
	24 (240)	26	2	17.0	23.1	25	30	2	8.6	23.1	15	30	2	8.6	23.1	15	30
	20 (200)	21	2	17.0	19.2	25	25	2	8.6	19.2	15	25	2	8.6	19.2	15	25
	16 (160)	18	2	17.0	15.4	25	20	2	8.6	15.4	15	20	2	8.6	15.4	15	20
	12 (120)	13	2	17.0	11.5	25	15	2	8.6	11.5	15	15	2	8.6	11.5	15	15
AI10-F-3132E AI10-F-3144E	42 (420)	30	2	25.5	40.4	35	60	2	12.9	40.4	20	60	2	12.9	40.4	20	60
	36 (360)	26	2	25.5	34.6	35	45	2	12.9	34.6	20	45	2	12.9	34.6	20	45
	30 (300)	21	2	25.5	28.9	35	40	2	12.9	28.9	20	40	2	12.9	28.9	20	40
	24 (240)	18	2	25.5	23.1	35	30	2	12.9	23.1	20	30	2	12.9	23.1	20	30
	18 (180)	13	2	25.5	17.3	35	25	2	12.9	17.3	20	25	2	12.9	17.3	20	25

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ARCHITECTURAL ICON 10 - EC MOTORS

**Electric Heated Air Curtain
Electrical Performance Sheet**

MODEL	kW (code)	Temp Rise °F	208/1/60 (voltage code B) EC MOTOR AMP DRAW = 4.1 each			240/1/60 (voltage code J) or 230/1/50 (voltage code V) EC MOTOR AMP DRAW = 4.1 each			277/1/60 (voltage code W) EC MOTOR AMP DRAW = 3.6 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
A110-F-1036E A110-F-1042E A110-F-1048E A110-F-1060E	14 (140)	30	2	26.6/44.9	35/60	2	23.6/38.9	30/50	2	20.4/33.7	30/45
	12 (120)	26	2	23.3/38.5	30/50	2	20.8/33.3	30/45	1	47.4	60
	10 (100)	21	2	20.1/32.0	30/40	1	45.8	60	1	39.7	50
	8 (080)	18	1	42.6	60	1	37.4	50	1	32.5	45
	6 (060)	13	1	32.9	45	1	29.1	40	1	25.3	35
A110-F-2072E A110-F-2078E A110-F-2084E A110-F-2096E A110-F-2108E A110-F-2120E	28 (280)	30	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	24 (240)	26	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	20 (200)	21	-	N/A	N/A	-	N/A	N/A	2	43.3/36.1	60/50
	16 (160)	18	2	46.7/38.5	60/50	2	41.5/33.3	60/45	2	36.1/28.9	45/40
	12 (120)	13	2	37.0/28.8	50/40	2	33.2/25.0	45/35	2	28.9/21.7	40/30
A110-F-3132E A110-F-3144E	42 (420)	30	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	36 (360)	26	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	30 (300)	21	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	24 (240)	18	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	18 (180)	13	-	N/A	N/A	-	N/A	N/A	2	46.9/28.9	60/40

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ARCHITECTURAL ICON 10 - EC MOTORS

Electric Heated Air Curtain

Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	208/3/60 (voltage code X) EC MOTOR AMP DRAW = 4.1 each			240/3/60 (voltage code Y) EC MOTOR AMP DRAW = 4.1 each			480/3/60 (voltage code WZ) - 4 Wire System EC MOTOR AMP DRAW = 3.6 each @ 277V			600/3/60 (voltage code L-XI) XFMR 600/120 1 kVA per MTR @ 1.7 each EC MOTOR AMP DRAW = 6.6 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
AI10-F-1036E AI10-F-1042E AI10-F-1048E AI10-F-1060E	14 (140)	30	1	43.0	60	1	37.8	50	1	20.4	30	1	15.2	20
	12 (120)	26	1	37.4	50	1	33.0	45	1	18.0	25	1	13.2	20
	10 (100)	21	1	31.9	40	1	28.2	40	1	15.6	20	1	11.3	15
	8 (080)	18	1	26.3	35	1	23.3	30	1	13.2	20	1	9.4	15
	6 (060)	13	1	20.8	30	1	18.5	25	1	10.8	15	1	7.5	15
AI10-F-2072E AI10-F-2078E AI10-F-2084E AI10-F-2096E AI10-F-2108E AI10-F-2120E	28 (280)	30	2	47.1/38.9	60/50	2	41.9/33.7	60/45	1	40.9	60	1	30.3	40
	24 (240)	26	2	41.5/33.3	60/45	2	37.1/28.9	50/40	1	36.1	45	1	26.5	35
	20 (200)	21	2	36.0/27.8	45/35	2	32.3/24.1	40/35	1	31.3	40	1	22.6	30
	16 (160)	18	2	30.4/22.2	40/30	1	46.7	60	1	26.4	35	1	18.8	25
	12 (120)	13	1	41.5	60	1	37.1	50	1	21.6	30	1	14.9	20
AI10-F-3132E AI10-F-3144E	42 (420)	30	3	51.2/38.9/38.9	60/60/50	3	46.0/33.7/33.7	60/45/45	2	27.6/33.7	35/45	1	45.5	60
	36 (360)	26	3	45.6/33.3/33.3	60/45/45	3	41.2/28.9/28.9	50/40/40	2	25.2/28.9	30/40	1	39.7	50
	30 (300)	21	3	40.1/27.8/27.8	50/35/35	2	36.4/48.1	45/60	1	46.9	60	1	34.0	45
	24 (240)	18	2	34.5/44.4	45/60	2	31.5/38.5	40/50	1	39.7	50	1	28.2	35
	18 (180)	13	2	29.0/33.3	35/45	2	26.7/28.9	35/40	1	32.5	40	1	22.4	30

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ARCHITECTURAL ICON 10 - EC MOTORS

**Electric Heated Air Curtain
Electrical Performance Sheet**

MODEL	kW (code)	Temp Rise °F	120/1/60 - 480/3/60 (voltage code K) 120V EC MOTOR AMP DRAW = 6.6 each					208/1/60 - 480/3/60 (voltage code S) 208V EC MOTOR AMP DRAW = 4.1 each					240/1/60 - 480/3/60 (voltage code U) 240V EC MOTOR AMP DRAW = 4.1 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	480V/3	120V/1	480V/3		208V/1	480V/3	208V/1	480V/3		240V/1	480V/3	240V/1	480V/3
AI10-F-1036E AI10-F-1042E AI10-F-1048E AI10-F-1060E	14 (140)	30	2	6.6	16.8	15	25	2	4.1	16.8	15	25	2	4.1	16.8	15	25
	12 (120)	26	2	6.6	14.4	15	20	2	4.1	14.4	15	20	2	4.1	14.4	15	20
	10 (100)	21	2	6.6	12.0	15	15	2	4.1	12.0	15	15	2	4.1	12.0	15	15
	8 (080)	18	2	6.6	9.6	15	15	2	4.1	9.6	15	15	2	4.1	9.6	15	15
	6 (060)	13	2	6.6	7.2	15	15	2	4.1	7.2	15	15	2	4.1	7.2	15	15
AI10-F-2072E AI10-F-2078E AI10-F-2084E AI10-F-2096E AI10-F-2108E AI10-F-2120E	28 (280)	30	2	13.2	33.7	20	45	2	8.2	33.7	15	45	2	8.2	33.7	15	45
	24 (240)	26	2	13.2	28.9	20	40	2	8.2	28.9	15	40	2	8.2	28.9	15	40
	20 (200)	21	2	13.2	24.1	20	35	2	8.2	24.1	15	35	2	8.2	24.1	15	35
	16 (160)	18	2	13.2	19.2	20	25	2	8.2	19.2	15	25	2	8.2	19.2	15	25
	12 (120)	13	2	13.2	14.4	20	20	2	8.2	14.4	15	20	2	8.2	14.4	15	20
AI10-F-3132E AI10-F-3144E	42 (420)	30	3	19.8	33.7/16.8	25	45/25	3	12.3	33.7/16.8	20	45/25	3	12.3	33.7/16.8	20	45/25
	36 (360)	26	2	19.8	43.3	25	60	2	12.3	43.3	20	60	2	12.3	43.3	20	60
	30 (300)	21	2	19.8	36.1	25	50	2	12.3	36.1	20	50	2	12.3	36.1	20	50
	24 (240)	18	2	19.8	28.9	25	40	2	12.3	28.9	20	40	2	12.3	28.9	20	40
	18 (180)	13	2	19.8	21.7	25	30	2	12.3	21.7	20	30	2	12.3	21.7	20	30

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ARCHITECTURAL ICON 10 - EC MOTORS

Electric Heated Air Curtain Electrical Performance Sheet

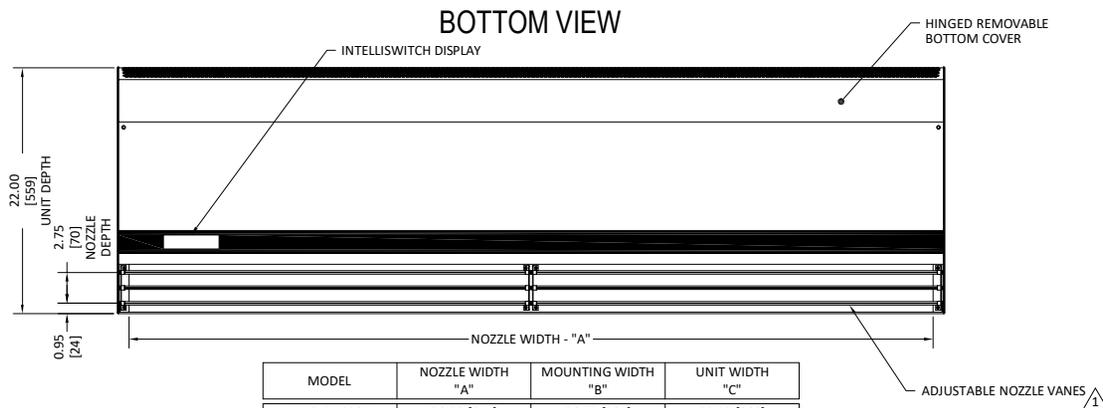
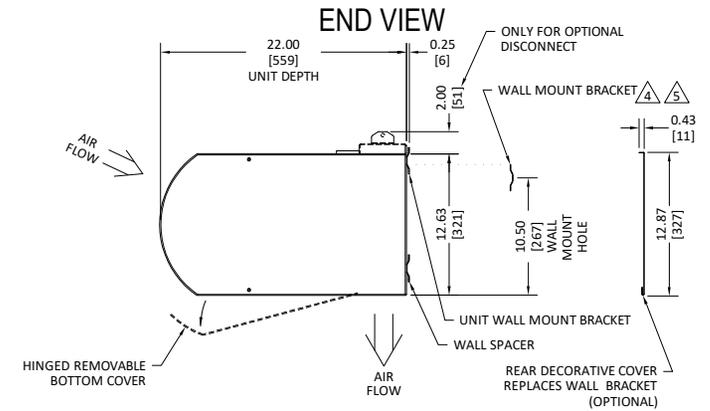
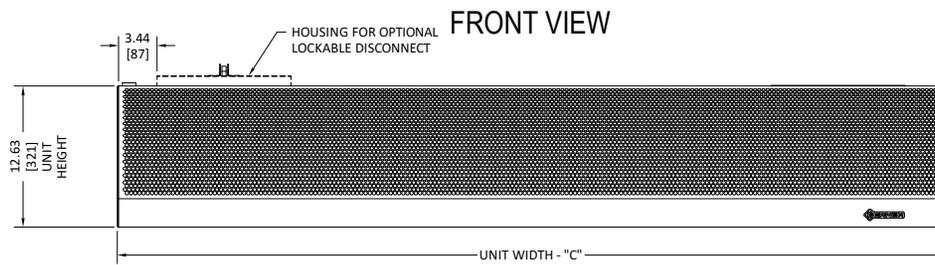
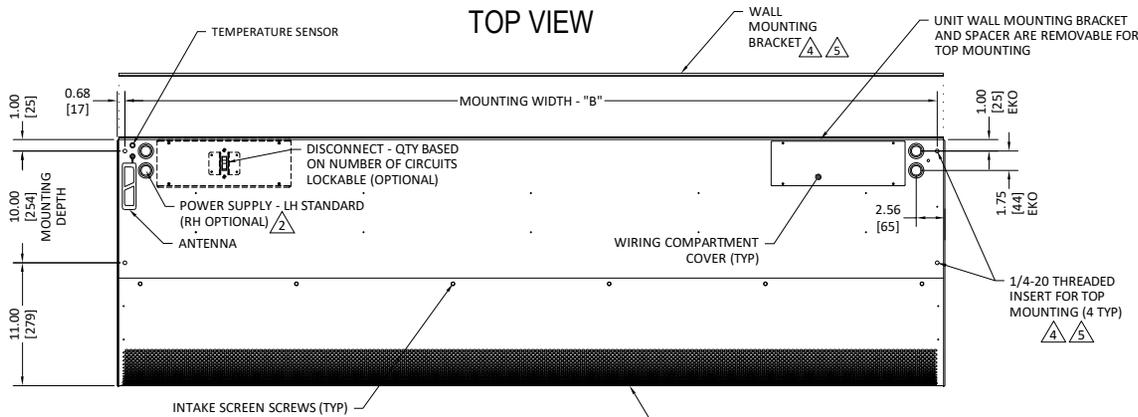
MODEL	kW (code)	Temp Rise °F	120/1/60 - 600/3/60 (voltage code L) 120V EC MOTOR AMP DRAW = 6.6 each				208/1/60 - 600/3/60 (voltage code M) 208V EC MOTOR AMP DRAW = 4.1 each				240/1/60 - 600/3/60 (voltage code N) 240V EC MOTOR AMP DRAW = 4.1 each				380/3/50 (voltage code O) EC MOTOR AMP DRAW = 4.1 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		# 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			
AI10-F-1036E AI10-F-1042E AI10-F-1048E AI10-F-1060E	14 (140)	30	2	6.6	13.5	15	20	2	4.1	13.5	15	20	2	4.1	13.5	15	20	1	25.4	35
	12 (120)	26	2	6.6	11.5	15	15	2	4.1	11.5	15	15	2	4.1	11.5	15	15	1	22.3	30
	10 (100)	21	2	6.6	9.6	15	15	2	4.1	9.6	15	15	2	4.1	9.6	15	15	1	19.3	25
	8 (080)	18	2	6.6	7.7	15	15	2	4.1	7.7	15	15	2	4.1	7.7	15	15	1	16.3	25
	6 (060)	13	2	6.6	5.8	15	15	2	4.1	5.8	15	15	2	4.1	5.8	15	15	1	13.2	20
AI10-F-2072E AI10-F-2078E AI10-F-2084E AI10-F-2096E AI10-F-2108E AI10-F-2120E	28 (280)	30	2	13.2	26.9	20	35	2	8.2	26.9	15	35	2	8.2	26.9	15	35	2	29.5/21.3	40/30
	24 (240)	26	2	13.2	23.1	20	30	2	8.2	23.1	15	30	2	8.2	23.1	15	30	1	44.7	60
	20 (200)	21	2	13.2	19.2	20	25	2	8.2	19.2	15	25	2	8.2	19.2	15	25	1	38.6	50
	16 (160)	18	2	13.2	15.4	20	20	2	8.2	15.4	15	20	2	8.2	15.4	15	20	1	32.5	40
	12 (120)	13	2	13.2	11.5	20	15	2	8.2	11.5	15	15	2	8.2	11.5	15	15	1	26.4	35
AI10-F-3132E AI10-F-3144E	42 (420)	30	2	19.8	40.4	25	60	2	12.3	40.4	20	60	2	12.3	40.4	20	60	2	33.6/42.5	40/60
	36 (360)	26	2	19.8	34.6	25	45	2	12.3	34.6	20	45	2	12.3	34.6	20	45	2	30.5/36.5	40/50
	30 (300)	21	2	19.8	28.9	25	40	2	12.3	28.9	20	40	2	12.3	28.9	20	40	2	27.5/30.4	35/40
	24 (240)	18	2	19.8	23.1	25	30	2	12.3	23.1	20	30	2	12.3	23.1	20	30	1	48.8	60
	18 (180)	13	2	19.8	17.3	25	25	2	12.3	17.3	20	25	2	12.3	17.3	20	25	1	39.6	50

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A10-F ELECTRIC HEATED SYSTEM: 208 - 480V



MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
A110-F-1036E	36.00 [914]	36.75 [934]	38.13 [968]
A110-F-1042E	42.00 [1067]	42.75 [1086]	44.13 [1121]
A110-F-1048E	48.00 [1219]	48.75 [1238]	50.13 [1273]
A110-F-1060E	59.00 [1499]	59.75 [1518]	61.13 [1553]
A110-F-2072E	72.00 [1829]	72.75 [1848]	74.13 [1883]
A110-F-2078E	78.00 [1981]	78.75 [2000]	80.13 [2035]
A110-F-2084E	84.00 [2134]	84.75 [2153]	86.13 [2188]
A110-F-2096E	96.00 [2438]	96.75 [2458]	98.13 [2492]
A110-F-2108E	108.00 [2743]	108.75 [2762]	110.13 [2797]
A110-F-2120E	118.00 [2997]	118.75 [3016]	120.13 [3051]
A110-F-3132E	132.00 [3353]	132.75 [3372]	134.13 [3407]
A110-F-3144E	144.00 [3658]	144.75 [3677]	146.13 [3712]

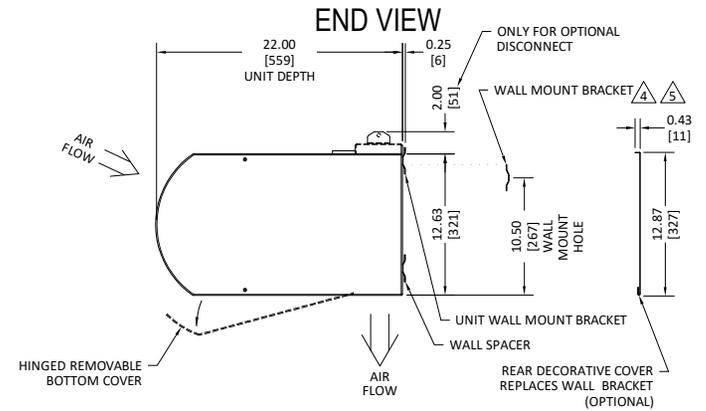
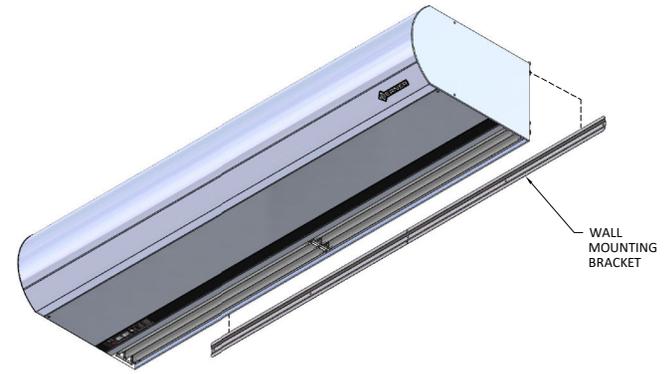
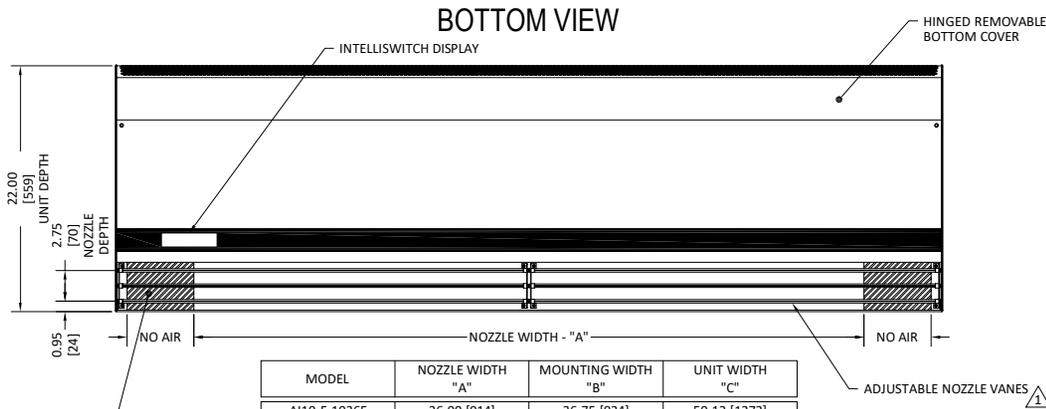
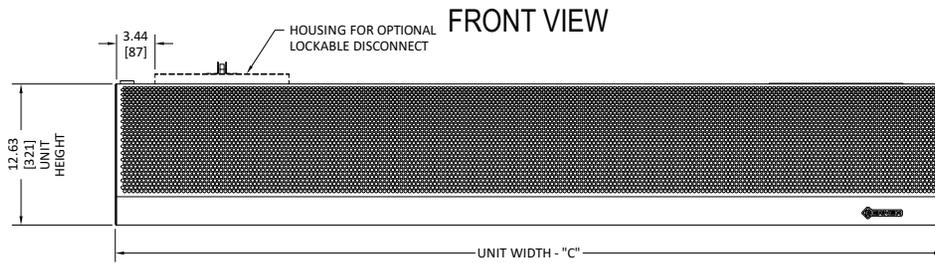
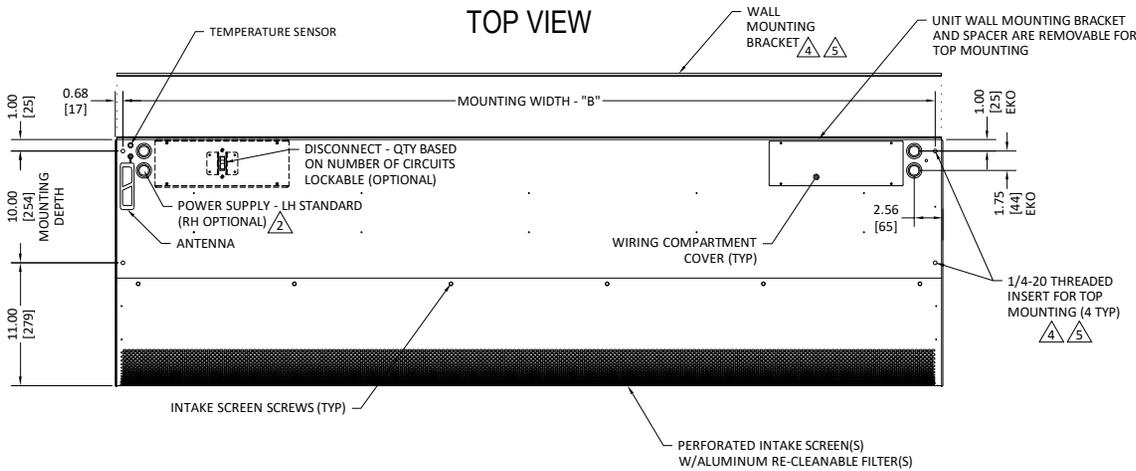
NOTES:

- 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

PROJECT		REV	0
LOCATION			
ARCHITECT			
ENGINEER			
DWG. NO.	A110-F-ELE-208	TITLE:	BERNER
DATE	24JAN2025		MODEL A110-F AIR CURTAIN 208-480V ELECTRIC HEATED SYSTEM
BY	D. Johnson		
REPLACES	-		
BY	-		BERNER INTERNATIONAL CORP. NEW CASTLE, PA.

A110-F ELECTRIC HEATED SYSTEM: 600V



INACTIVE NOZZLE AREA FOR TRANSFORMER ENCLOSURE. CENTER ACTIVE NOZZLE WIDTH DIMENSION "A" OVER THE OPENING (with callout 8)

MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
A110-F-1036E	36.00 [914]	36.75 [934]	50.13 [1273]
A110-F-1042E	42.00 [1067]	42.75 [1086]	50.13 [1273]
A110-F-1048E	48.00 [1219]	48.75 [1238]	61.13 [1553]
A110-F-1060E	59.00 [1499]	59.75 [1518]	74.13 [1883]
A110-F-2072E	72.00 [1829]	72.75 [1848]	86.13 [2188]
A110-F-2078E	78.00 [1981]	78.75 [2000]	86.13 [2188]
A110-F-2084E	84.00 [2134]	84.75 [2153]	98.13 [2492]
A110-F-2096E	96.00 [2438]	96.75 [2458]	110.13 [2797]
A110-F-2108E	108.00 [2743]	108.75 [2762]	120.13 [3051]
A110-F-2120E	118.00 [2997]	118.75 [3016]	134.13 [3407]
A110-F-3132E	132.00 [3353]	132.75 [3372]	146.13 [3712]
A110-F-3144E	144.00 [3658]	144.75 [3677]	158.13 [4016]

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).
- 8 NO AIR FLOW, AREA HOUSES TRANSFORMER. CENTER ACTIVE NOZZLE WIDTH DIMENSION "A" OVER THE OPENING.

SHEET 1 OF 1

PROJECT		REV	0
LOCATION			
ARCHITECT			
ENGINEER			
DWG. NO.	A110-F-ELE-600	TITLE:	BERNER
DATE	24JAN2025		MODEL A110-F AIR CURTAIN 600V ELECTRIC HEATED SYSTEM
BY	S. Bell		
REPLACES	-		
BY	-		BERNER INTERNATIONAL CORP. NEW CASTLE, PA.