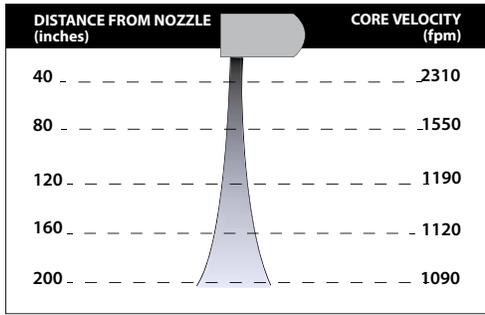


Vestibule Exception Compliance: up to 16 ft. AFF / Optimal Environmental Separation: up to 12 ft. AFF



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 (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.

Model ARE12-1060E is not licensed to bear the AMCA seal.

2 Year Limited Warranty



indoor use



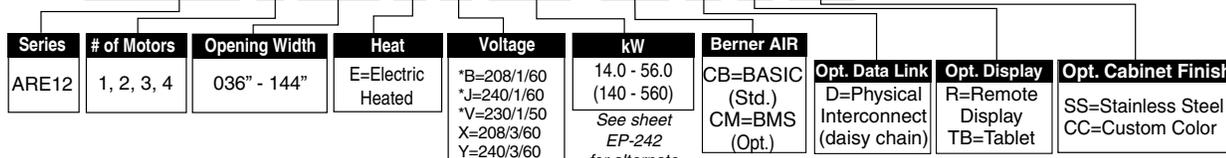
MODEL	Nozzle Width (in)	Max Vel. at Nozzle (fpm)	Avg. Outlet Vel. (fpm)	Air Volume (cfm)	Outlet Vel. Uniformity	Power Rating (kW)	Motor(s) @ hp	Max Electric Capacity (kW)	Heater Output (MBH)	Air Temp. Rise (°F)	Net Wt. (lbs)
ARE12-1036E	36.00	6,500	1,814	1,587	83%	0.49	1 @ 1/2	14.0	47.8	28°	105
ARE12-1042E	42.00	7,091	1,621	1,655	71%	0.53	1 @ 1/2	14.0	47.8	27°	112
ARE12-1048E	48.00	7,300	1,468	1,713	75%	0.54	1 @ 1/2	14.0	47.8	26°	118
ARE12-1060E	66.00	4,828	1,027	1,647	83%	0.52	1 @ 1/2	14.0	47.8	27°	138
ARE12-2060E	66.00	5,202	1,848	2,964	95%	0.94	2 @ 1/2	28.0	95.6	30°	179
ARE12-2072E	72.00	6,500	1,814	3,174	83%	0.98	2 @ 1/2	28.0	95.6	28°	190
ARE12-2078E	78.00	7,091	1,710	3,242	71%	1.02	2 @ 1/2	28.0	95.6	27°	196
ARE12-2084E	84.00	7,091	1,621	3,310	71%	1.06	2 @ 1/2	28.0	95.6	27°	202
ARE12-2096E	99.00	7,300	1,424	3,426	75%	1.08	2 @ 1/2	28.0	95.6	26°	213
ARE12-3096E	99.00	5,202	1,891	4,551	83%	1.43	3 @ 1/2	42.0	143.3	29°	257
ARE12-3108E	108.00	6,500	1,814	4,761	83%	1.47	3 @ 1/2	42.0	143.3	28°	285
ARE12-3120E	117.00	6,500	1,722	4,897	71%	1.55	3 @ 1/2	42.0	143.3	27°	297
ARE12-3132E	132.00	7,091	1,566	5,023	71%	1.60	3 @ 1/2	42.0	143.3	26°	309
ARE12-3144E	144.00	7,300	1,468	5,139	75%	1.62	3 @ 1/2	42.0	143.3	26°	320
ARE12-4144E	144.00	6,500	1,814	6,348	83%	1.96	4 @ 1/2	56.0	191.1	28°	380

NOTES:

- Operation at 50 Hz will generate approximately a 17% reduction in air performance.
 - Single Point Power Connection – consult factory
- Berner does not recommend ARE12-1060E, exists only as an equivalent to competitors' models.*
See sheet EP-242 for amp draws/total load requirements and alternate kW.

MODEL NUMBER CONFIGURATION

ARE12-1 036 E B-140 -CB-D-R-SS



*Max 16kW See sheet EP-242 for available lengths and voltages

STANDARD CONSTRUCTION

- 15" high x 26" deep
- 1/2 hp AC motor(s) - ten speeds
- Touchscreen interface with Intelliswitch™ digital controller, includes Berner AIR® BASIC (smart control)
- White aluminum bottom panel
- Top Mounting only
- High efficiency, low noise Pro-V Nozzle
- Filter (washable)
- Patented venturi open helical element with point suspension

OPTIONS

- Alternate kW: see sheet EP-242
- Berner AIR® BMS (smart control with BACnet and Modbus capabilities)
- Bottom panel finish: Custom Color or Stainless

VELOCITY PROJECTION: Model ARE12-1036E					
Distance from Nozzle (in)	40	80	120	160	200
Core Velocity (fpm)	2310	1550	1190	1120	1090
Uniformity (%)	89	89	88	91	95

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: 59/62 dBA
2 motors:	Min./Max. Speed: 62/65 dBA
3 motors:	Min./Max. Speed: 64/67 dBA
4 motors:	Min./Max. Speed: 65/68 dBA

Sound data is not AMCA certified.

Berner reserves the right to alter specifications without prior notice.



ARCHITECTURAL RECESSED 12 - 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			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		
			# 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
ARE12-1036E ARE12-1042E ARE12-1048E ARE12-1060E	14 (140)	28	2	26.8/44.9	35/60	2	23.8/38.9	30/50	1	43.2	60	1	38.0	50
	12 (120)	24	2	21.8/38.5	30/50	2	21.0/33.3	30/45	1	37.6	50	1	33.2	45
	10 (100)	20	2	20.3/32.0	30/40	1	46.0	60	1	32.1	45	1	28.4	40
	8 (080)	16	1	42.8	60	1	37.6	50	1	26.5	35	1	23.5	30
	6 (060)	12	1	33.1	45	1	29.3	40	1	21.0	30	1	18.7	25
ARE12-2060E ARE12-2072E ARE12-2078E ARE12-2084E ARE12-2096E	28 (280)	28	-	N/A	N/A	-	N/A	N/A	2	47.5/38.9	60/50	2	42.3/33.7	60/45
	24 (240)	24	-	N/A	N/A	-	N/A	N/A	2	41.9/33.3	60/45	2	37.5/28.9	50/40
	20 (200)	20	-	N/A	N/A	-	N/A	N/A	2	36.4/27.8	45/35	2	32.7/24.1	40/35
	16 (160)	16	2	47.1/38.5	60/50	2	41.9/33.3	60/45	2	30.8/22.2	40/30	1	47.1	60
	12 (120)	12	2	37.4/28.8	50/40	2	33.6/25.0	45/35	1	41.9	60	1	37.5	50
ARE12-3096E ARE12-3108E ARE12-3120E ARE12-3132E ARE12-3144E	42 (420)	28	-	N/A	N/A	-	N/A	N/A	3	51.8/38.9/38.9	60/50/50	3	46.6/33.7/33.7	60/45/45
	36 (360)	24	-	N/A	N/A	-	N/A	N/A	3	46.2/33.3/33.3	60/45/45	3	41.8/28.9/28.9	60/40/40
	30 (300)	20	-	N/A	N/A	-	N/A	N/A	3	40.7/27.8/27.8	50/35/35	2	37.0/48.1	45/60
	24 (240)	16	-	N/A	N/A	-	N/A	N/A	2	35.1/44.4	45/60	2	32.1/38.5	40/50
	18 (180)	12	-	N/A	N/A	-	N/A	N/A	2	29.6/33.3	35/45	2	27.3/28.9	35/40
ARE12-4144E	56 (560)	28	-	N/A	N/A	-	N/A	N/A	4	47.5/38.9/47.5/38.9	60/50/60/50	4	42.3/33.7/42.3/33.7	60/45/60/45
	48 (480)	24	-	N/A	N/A	-	N/A	N/A	4	41.9/33.3/41.9/33.3	60/45/60/45	4	37.5/28.9/37.5/28.9	50/40/50/40
	40 (400)	20	-	N/A	N/A	-	N/A	N/A	4	36.4/27.8/36.4/27.8	45/35/45/35	3	32.7/32.7/48.1	40/40/60
	32 (320)	16	-	N/A	N/A	-	N/A	N/A	3	30.8/30.8/44.4	40/40/60	2	47.1/47.1	60/60
	24 (240)	12	-	N/A	N/A	-	N/A	N/A	2	41.9/41.9	60/60	2	37.5/37.5	50/50

Berner reserves the right to alter specifications without prior notice.

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111 Progress Ave. / New Castle / PA / 16101 / USA

EP-242
July, 2025

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ARCHITECTURAL RECESSED 12 - AC MOTORS

Electric Heated Air Curtain
Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	480/3/60 (voltage code Z) MOTOR XFMR AMP DRAW = 2.1 per kva				600/3/60 (voltage code Q) MOTOR XFMR AMP DRAW = 1.7 per kva				380/3/50 (voltage code O) MOTOR AMP DRAW = 4.3 each		
			# CKTS	KVA	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT	# CKTS	KVA	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT
ARE12-1036E ARE12-1042E ARE12-1048E ARE12-1060E	14 (140)	28	1	1	18.9	25	1	1	15.2	20	1	25.6	35
	12 (120)	24	1	1	16.5	25	1	1	13.2	20	1	22.5	30
	10 (100)	20	1	1	14.1	20	1	1	11.3	15	1	19.5	25
	8 (080)	16	1	1	11.7	15	1	1	9.4	15	1	16.5	25
	6 (060)	12	1	1	9.3	15	1	1	7.5	15	1	13.4	20
	ARE12-2060E ARE12-2072E ARE12-2078E ARE12-2084E ARE12-2096E	28 (280)	28	1	2	37.9	50	1	2	30.3	40	2	29.9/21.3
24 (240)		24	1	2	33.1	45	1	2	26.5	35	1	45.1	60
20 (200)		20	1	2	28.3	40	1	2	22.6	30	1	39.0	50
16 (160)		16	1	2	23.4	30	1	2	18.8	25	1	32.9	45
12 (120)		12	1	2	18.6	25	1	2	14.9	20	1	26.8	35
ARE12-3096E ARE12-3108E ARE12-3120E ARE12-3132E ARE12-3144E		42 (420)	28	2	3	23.1/33.7	30/45	1	3	45.5	60	2	34.2/42.5
	36 (360)	24	2	3	20.7/28.9	25/40	1	3	39.7	50	2	31.1/36.5	40/50
	30 (300)	20	1	3	42.4	60	1	3	34.0	45	2	43.3/15.2	60/20
	24 (240)	16	1	3	35.2	45	1	3	28.2	35	2	37.2/12.2	45/20
	18 (180)	12	1	3	28.0	35	1	3	22.4	30	1	40.2	50
	ARE12-4144E	56 (560)	28	2	5	44.2/33.7	60/45	2	5	35.4/26.9	45/35	3	38.5/42.5/21.3
48 (480)		24	2	5	39.4/28.9	50/40	2	5	31.6/23.1	40/30	3	35.4/36.5/18.2	45/50/25
40 (400)		20	2	5	34.6/24.1	45/35	1	5	47.0	60	2	47.6/30.4	60/40
32 (320)		16	1	5	49.0	60	1	5	39.3	50	2	41.5/24.3	50/35
24 (240)		12	1	5	39.4	50	1	5	31.6	40	2	44.5/9.1	60/15

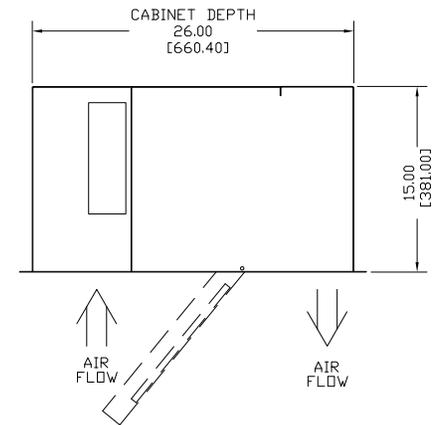
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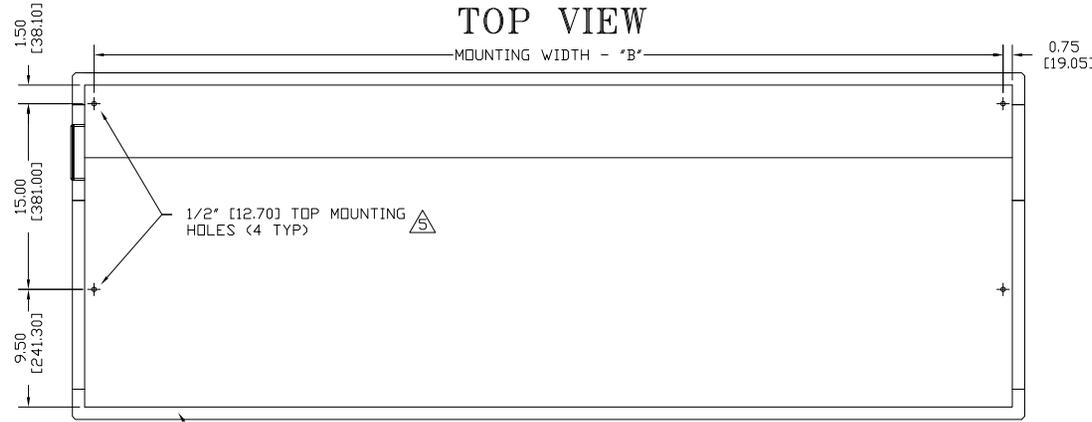
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July, 2025

ARE12 ARCHITECTURAL RECESSED ELECTRIC HEATED

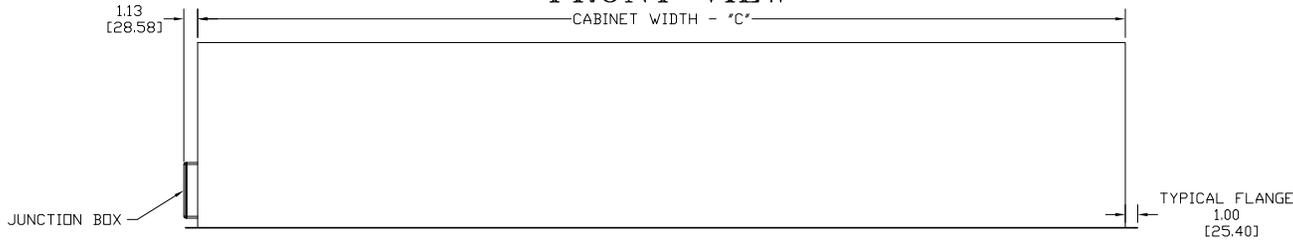
END VIEW



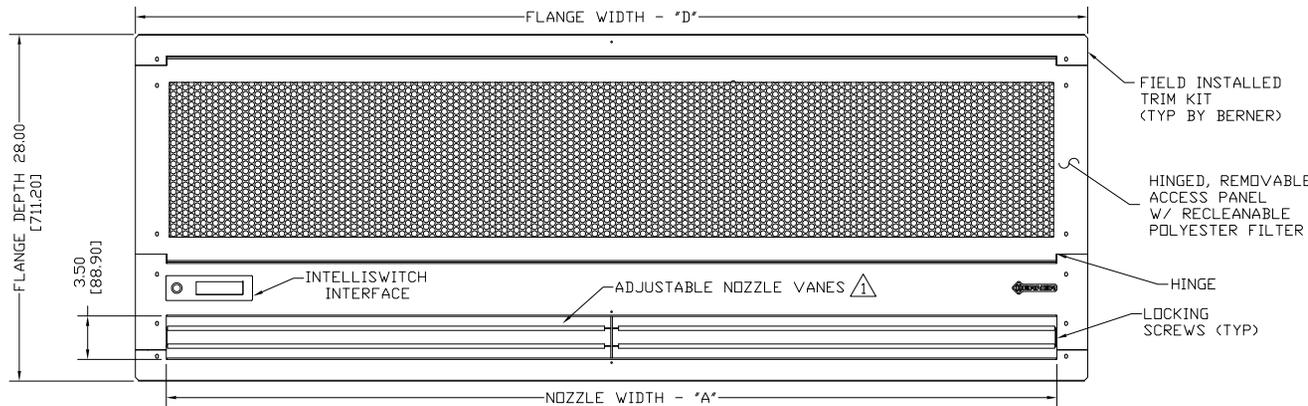
TOP VIEW



FRONT VIEW



BOTTOM VIEW



NOTES:

- 1 AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF \bar{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 LETTER "E" IN MODEL NUMBER DESIGNATES ELECTRIC HEATED UNIT.
- 7 DIMENSIONS IN INCHES [MILLIMETERS].

MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	CABINET WIDTH "C"	FLANGE WIDTH "D"	RECOMMENDED ROUGH OPENING DEPTH x WIDTH
ARE12-1036E	36.00 [914]	37.50 [953]	39.00 [991]	41.00 [1041]	27.00 x 40.00 [686 x 1016]
ARE12-1042E	42.00 [1067]	43.50 [1105]	45.00 [1143]	47.00 [1194]	27.00 x 46.00 [686 x 1168]
ARE12-1048E	48.00 [1219]	49.50 [1257]	51.00 [1295]	53.00 [1346]	27.00 x 52.00 [686 x 1321]
ARE12-1060E/2060E	66.00 [1676]	67.50 [1712]	69.00 [1753]	71.00 [1803]	27.00 x 70.00 [686 x 1778]
ARE12-2072E	72.00 [1829]	73.50 [1867]	75.00 [1905]	77.00 [1956]	27.00 x 76.00 [686 x 1930]
ARE12-2078E	78.00 [1981]	79.50 [2019]	81.00 [2057]	83.00 [2108]	27.00 x 82.00 [686 x 2083]
ARE12-2084E	84.00 [2133]	85.50 [2172]	87.00 [2210]	89.00 [2261]	27.00 x 88.00 [686 x 2235]
ARE12-2096E/3096E	99.00 [2515]	100.50 [2553]	102.00 [2591]	104.00 [2642]	27.00 x 103.00 [686 x 2616]
ARE12-3108E	108.00 [2743]	109.50 [2781]	111.00 [2819]	113.00 [2870]	27.00 x 112.00 [686 x 2845]
ARE12-3120E	117.00 [2972]	118.50 [3010]	120.00 [3048]	122.00 [3099]	27.00 x 121.00 [686 x 3073]
ARE12-3132E	132.00 [3353]	133.50 [3391]	135.00 [3429]	137.00 [3480]	27.00 x 136.00 [686 x 3454]
ARE12-3144E/4144E	144.00 [3658]	145.50 [3696]	147.00 [3734]	149.00 [3785]	27.00 x 148.00 [686 x 3759]

PROJECT		
LOCATION		
ARCHITECT		
ENGINEER		REV. B
DWG. NO.	ARE12-ELE	TITLE: BERNER
DATE	23JUN2025	MODEL ARE12 AIR CURTAIN ELECTRIC HEATED SYSTEM
BY	S. Beil	
REPLACES	27MAY2025	
BY	S. Beil	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.