

Recommended for Mounting Heights to 12' (environmental separation)

Vestibule Exception for Energy Codes ASHRAE 90.1-2019, IECC 2018, and ASHRAE 189.1, validated by AMCA certification.

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."



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.

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

Series	# of Motors	Opening Width	Heat	Voltage	kW	Berner AIR	Opt. Data Link	Opt. Display	Opt. Cabinet Finish
ARE12	1, 2, 3, 4	036" - 144"	E=Electric Heated	*B=208/1/60 *J=240/1/60 *V=220/1/50 X=208/3/60 Y=240/3/60 Z=480/3/60 Q=600/3/60 O=380/3/50	14.0 - 56.0 (140 - 560) See sheet EP-242 for alternate kW code	CB=BASIC (Std.) CM=BMS	D=Physical Interconnect (daisy chain)	R=Remote Display TB=Tablet	SS=Stainless Steel CC=Custom Color

STANDARD CONSTRUCTION

- 15" high x 26" deep
- 1/2 hp motor(s) - ten speeds
- 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
- Alternate kW: see sheet EP-242

OPTIONS

- Bottom panel finish: Custom Color or Stainless
- Berner AIR® BMS (smart control with BACnet and Modbus capabilities)

*Max 16kW See sheet EP-242 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:	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

Electric Heated Air Curtain

Electrical Performance Sheet

				208/1/60 (voltage code B) AC MOTOR AMP DRAW = 4.3 each					240/1/60 (voltage code J) or 220/1/50 (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		
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	# 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 ARE12-2084E 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									



ARCHITECTURAL RECESSED 12

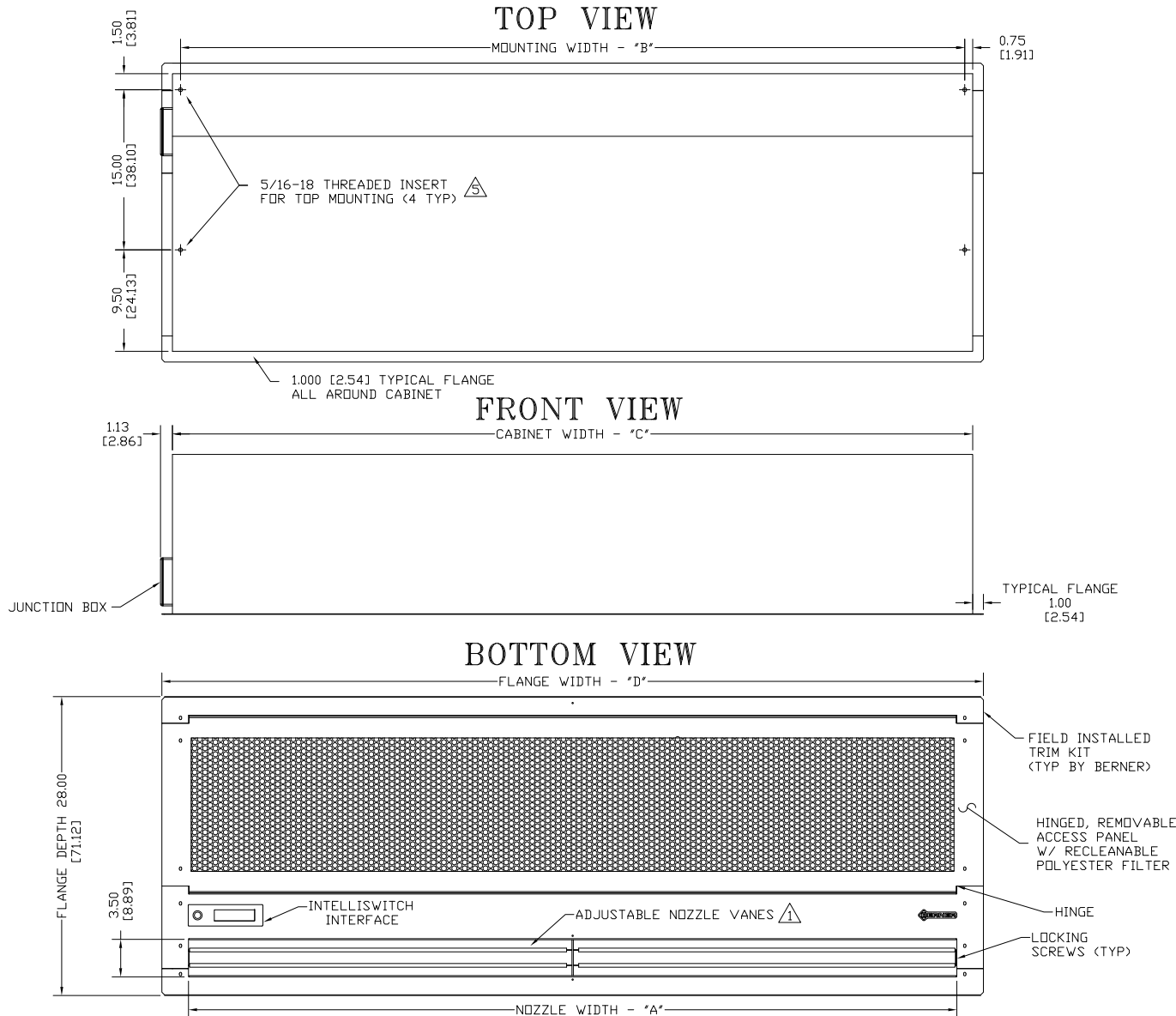
Electric Heated Air Curtain

Electrical Performance Sheet

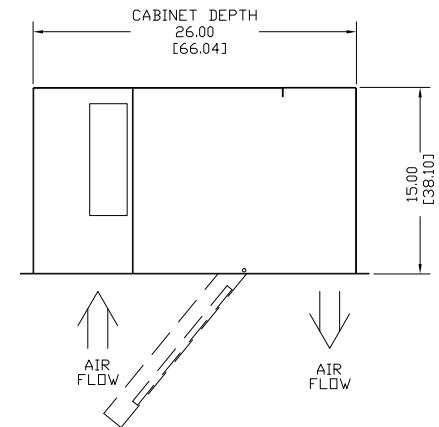
MODEL	kW (code)	Temp Rise °F	480/3/60 (voltage code Z) MOTOR XFMR AMP DRAW = 2.1 per kva				600/3/60 (voltage code Q) MOTOR XFMR AMP DRAW = 1.7 per kva				380/3/50 (voltage code O) MOTOR AMP DRAW = 4.3 each		
			# CKTS	KVA	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT	# CKTS	KVA	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT
ARE-12-1036E ARE-12-1042E ARE-12-1048E ARE-12-1060E	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
ARE-12-2060E ARE-12-2072E ARE-12-2084E ARE-12-2096E	28 (280)	28	1	2	37.9	50	1	2	30.3	40	2	29.9/21.3	40/30
	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
ARE-12-3096E ARE-12-3108E ARE-12-3120E ARE-12-3132E ARE-12-3144E	42 (420)	28	2	3	23.1/33.7	30/45	1	3	45.5	60	2	34.2/42.5	45/60
	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
ARE-12-4144E	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	45/60/30
	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

ARE12

ARCHITECTURAL RECESSED ELECTRIC HEATED



END VIEW



NOTES:

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

MODEL $\triangle$ 6	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. -
DWG. NO.	ARE12-ELE	TITLE: BERNER MODEL ARE12 AIR CURTAIN ELECTRIC HEATED SYSTEM
DATE	08DEC2025	
BY	S. Beil	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.
REPLACES	-	
BY	-	