

DISTANCE FROM NOZZLE (millimeters)	CORE VELOCITY @50hz (m/s)
1000mm	11,7 m/s
2000mm	7,9 m/s
3000mm	6,0 m/s
4000mm	5,7 m/s
5000mm	5,5 m/s
6000mm	5,3 m/s
7000mm	5,2 m/s
8000mm	5,1 m/s

Velocity testing shown above was obtained in accordance with ISO27327-1 in an accredited A2LA laboratory but is not AMCA certified.

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



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.

**5 Year
Limited
Warranty**



MODEL	Nozzle Width (mm)	Max Vel. at Nozzle (m/s)	Avg. Outlet Vel. (m/s)	Air Volume (m³/hr)	Outlet Vel. Uniformity	Power Rating (kW)	Total Motor & Heater (kW)	Total EC Motor & Heater (A) per Circuit	Min / Max Air Temp. Rise (°C)	Net Wt. (kg)
ARE12-1036E	914	33,0	9,2	2696	83%	0,5	15	25,6	16° / 23°	48
ARE12-1042E	1067	36,0	8,2	2812	71%	0,5	15	25,6	15° / 22°	51
ARE12-1048E	1219	37,1	7,5	2910	75%	0,5	15	25,6	14° / 21°	54
ARE12-1060E	1676	24,5	5,2	2798	83%	0,5	15	25,6	15° / 22°	63
ARE12-2060E	1676	26,4	9,4	5036	95%	0,9	29	29,9 / 21,3	17° / 24°	81
ARE12-2072E	1829	33,0	9,2	5393	83%	1,0	29	29,9 / 21,3	16° / 23°	86
ARE12-2078E	1981	36,0	8,7	5508	71%	1,0	30	29,9 / 21,3	15° / 22°	89
ARE12-2084E	2134	36,0	8,2	5624	71%	1,1	30	29,9 / 21,3	15° / 22°	92
ARE12-2096E	2515	37,1	7,2	5821	75%	1,1	30	29,9 / 21,3	14° / 21°	97
ARE12-3096E	2515	26,4	9,6	7732	83%	1,4	44	34,2 / 42,5	16° / 24°	116
ARE12-3108E	2743	33,0	9,2	8089	83%	1,5	44	34,2 / 42,5	16° / 23°	129
ARE12-3120E	2972	33,0	8,7	8320	71%	1,6	44	34,2 / 42,5	15° / 22°	135
ARE12-3132E	3353	36,0	8,0	8534	71%	1,6	44	34,2 / 42,5	14° / 22°	140
ARE12-3144E	3658	37,1	7,5	8731	75%	1,6	44	34,2 / 42,5	14° / 21°	145
ARE12-4144E	3658	33,0	9,2	10785	83%	2,0	58	38,5 / 42,5 / 21,3	16° / 23°	172

NOTES:

1. Single Point Power Connection – consult factory
 2. Min/Max Temp Rise: Min Temp Rise at high speed and Max Temp Rise at low speed.
- Berner does not recommend ARE12-1060E, exists only as an equivalent to competitors' models.

MODEL NUMBER CONFIGURATION

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

Series	# of Motors	Opening Width	Heat	Voltage	Standard kW	Berner AIR	Opt. Data Link	Opt. Display	Opt. Cabinet Finish
ARE12	1, 2, 3, 4	036" - 144" (914- 3658mm)	E=Electric Heated	EC motors only PE = 400/3/50	14.0 - 56.0 (140 - 560)	CB=BASIC (Std.) CM=BMS	D=Physical Interconnect (daisy chain)	R=Remote Display TB=Tablet	SS=Stainless Steel CC=Custom Color

for Standard offering, leave options (Opt.) blank

STANDARD CONSTRUCTION

- 381mm high x 660mm deep
- 0,37kW EC 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

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

VELOCITY PROJECTION: Model ARE12-1036E

Distance from Nozzle (mm)	1000	2000	3000	4000	5000
Core Velocity (m/s)	11,7	7,9	6,0	5,7	5,5
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:

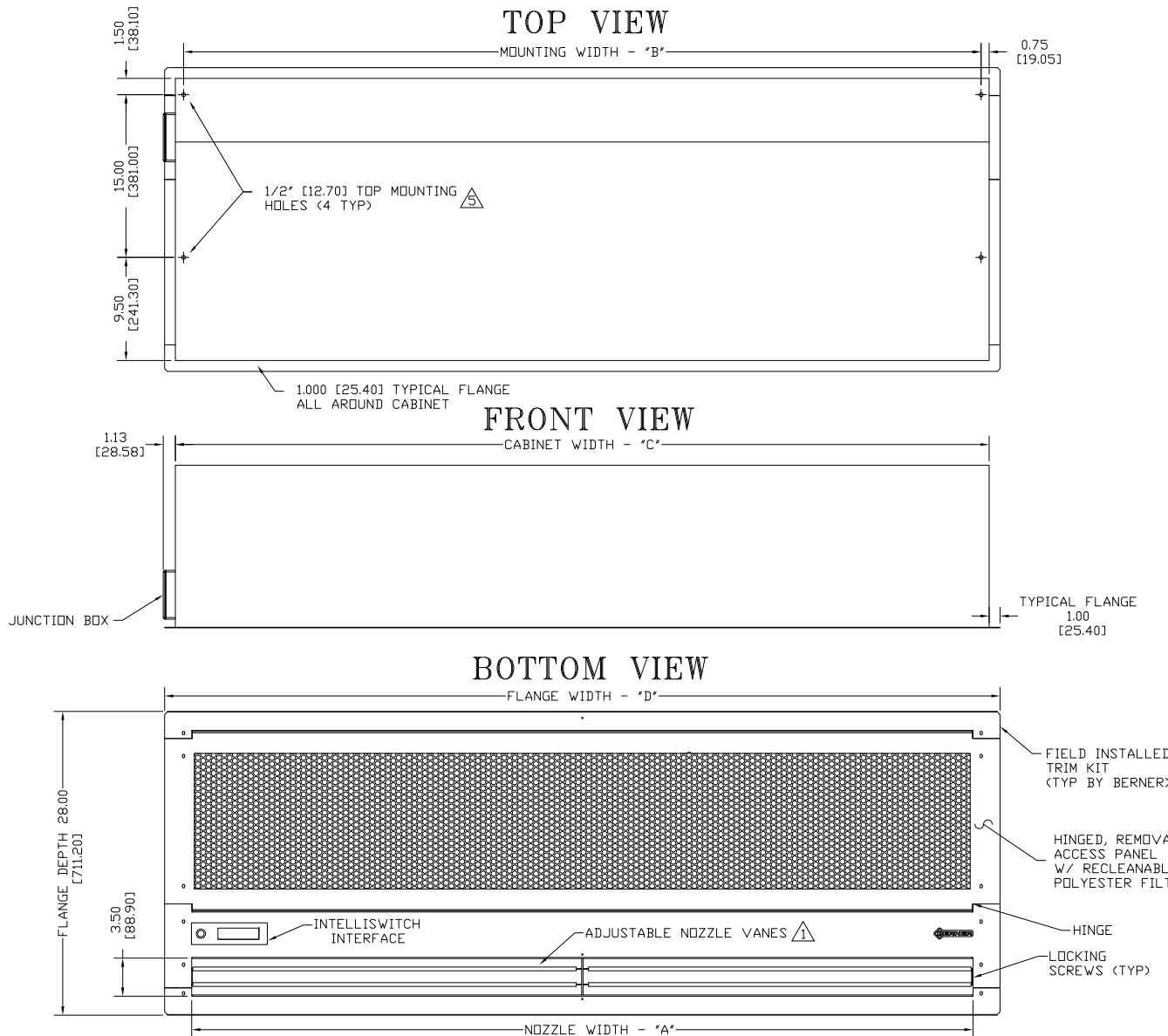
1 motor:	Min./Max. Speed:	59/62 dBA
2 motors:	Min./Max. Speed:	62/65 dBA
3 motors:	Min./Max. Speed:	64/67 dBA
4 motors:	Min./Max. Speed:	65/68 dBA

Sound data is not AMCA certified.

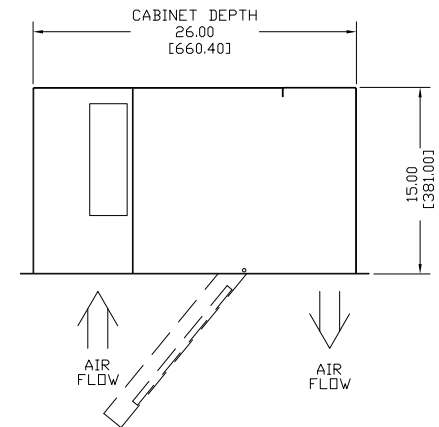
Berner reserves the right to alter specifications without prior notice.

ARE12

ARCHITECTURAL RECESSED ELECTRIC HEATED



END VIEW



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 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 MODEL ARE12 AIR CURTAIN ELECTRIC HEATED SYSTEM
DATE	23JUN2025	
BY	S. Beil	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.
REPLACES	27MAY2025	
BY	S. Beil	