

DISTANCE FROM NOZZLE (meters)	CORE VELOCITY @50hz (m/s)
1m_	6,7 m/s
2m_	5,8 m/s
3m_	5,0 m/s
4m_	4,1 m/s
5m_	3,7 m/s
6m_	3,5 m/s
7m_	3,2 m/s
8m_	3,1 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 (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 ARE12-1060A 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 (kW)	Total EC Motor Amperage (A)	Net Wt. (kg)
ARE12-1036A	914	14,83	8,75	2560	87%	0,46	0,37	4,10	46
ARE12-1042A	1067	24,53	7,87	2686	85%	0,49	0,37	4,10	49
ARE12-1048A	1219	24,58	7,00	2730	87%	0,51	0,37	4,10	52
ARE12-1060A	1676	20,85	5,22	2799	83%	0,52	0,37	4,10	61
ARE12-2060A	1676	26,44	8,51	4564	91%	0,92	0,74	8,20	78
ARE12-2072A	1829	14,83	8,75	5121	87%	0,92	0,74	8,20	82
ARE12-2078A	1981	24,53	8,27	5247	85%	0,95	0,74	8,20	85
ARE12-2084A	2134	24,53	7,87	5372	85%	0,98	0,74	8,20	88
ARE12-2096A	2515	24,58	6,79	5461	87%	1,02	0,74	8,20	93
ARE12-3096A	2515	26,44	8,85	7124	87%	1,38	1,11	12,30	111
ARE12-3108A	2743	14,83	8,75	7681	87%	1,38	1,11	12,30	124
ARE12-3120A	2972	24,53	8,34	7933	85%	1,44	1,11	12,30	129
ARE12-3132A	3353	24,58	7,55	8103	85%	1,49	1,11	12,30	135
ARE12-3144A	3658	24,58	7,00	8191	87%	1,53	1,11	12,30	140
ARE12-4144A	3658	14,83	8,75	10242	87%	1,84	1,48	16,40	165

Berner does not recommend ARE12-1060A, exists only as an equivalent to competitors' models.

MODEL NUMBER CONFIGURATION

ARE12-1 036 A A -CB-D-R-SS

Series	# of Motors	Opening Width	Heat	Voltage	Berner AIR	Opt. Data Link	Opt. Display	Opt. Cabinet Finish
ARE12	1, 2, 3, 4	036" - 144" (914- 3658mm)	A=Ambient	EC motors only V = 230/1/50	CB=BASIC (Std.) CM=BMS	D=Physical Interconnect (daisy chain)	R=Remote Display TB=Tablet	SS=Stainless Steel CC=Custom Color

STANDARD CONSTRUCTION

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

OPTIONS

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

for Standard offering, leave options (Opt.) blank

VELOCITY PROJECTION: Model ARE12-1036A

Distance from Nozzle (mm)	1000	2000	3000	4000	5000
Core Velocity (m/s)	5,5	5,1	4,5	3,9	3,5
Uniformity (%)	88%	89%	90%	92%	92%

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

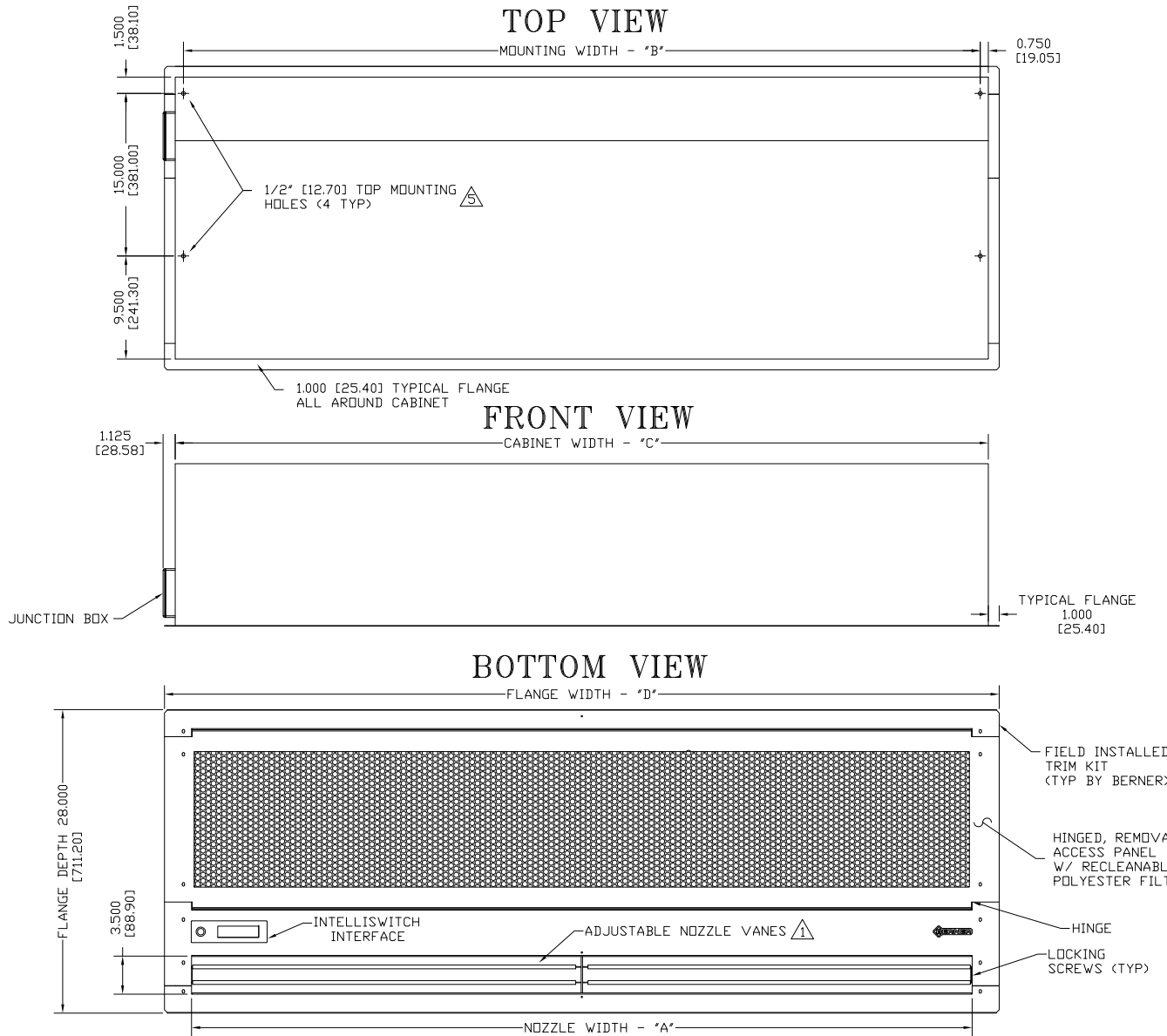
4 motors: Min./Max. Speed: 65/68 dBA

Sound data is not AMCA certified.

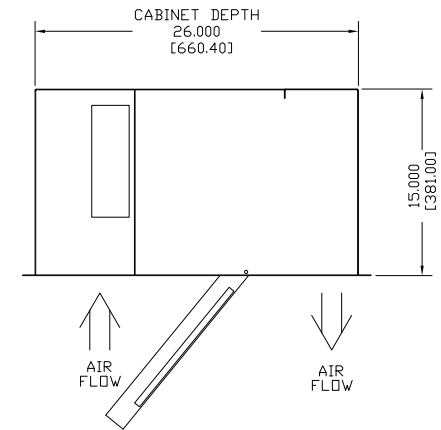
Berner reserves the right to alter specifications without prior notice.

ARE12

ARCHITECTURAL RECESSED AMBIENT SYSTEM



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 "A" IN MODEL NUMBER DESIGNATES AMBIENT 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
ARE12-1036A	36.00 [914]	37.50 [953]	39.00 [991]	41.00 [1041]	27.00 x 40.00 [686 x 1016]
ARE12-1042A	42.00 [1067]	43.50 [1105]	45.00 [1143]	47.00 [1194]	27.00 x 46.00 [686 x 1168]
ARE12-1048A	48.00 [1219]	49.50 [1257]	51.00 [1295]	53.00 [1346]	27.00 x 52.00 [686 x 1321]
ARE12-1060A/2060A	66.00 [1676]	67.50 [1712]	69.00 [1753]	71.00 [1803]	27.00 x 70.00 [686 x 1778]
ARE12-2072A	72.00 [1829]	73.50 [1867]	75.00 [1905]	77.00 [1956]	27.00 x 76.00 [686 x 1930]
ARE12-2078A	78.00 [1981]	79.50 [2019]	81.00 [2057]	83.00 [2108]	27.00 x 82.00 [686 x 2083]
ARE12-2084A	84.00 [2133]	85.50 [2172]	87.00 [2210]	89.00 [2261]	27.00 x 88.00 [686 x 2235]
ARE12-2096A/3096A	99.00 [2515]	100.50 [2553]	102.00 [2591]	104.00 [2642]	27.00 x 103.00 [686 x 2616]
ARE12-3108A	108.00 [2743]	109.50 [2781]	111.00 [2819]	113.00 [2870]	27.00 x 112.00 [686 x 2845]
ARE12-3120A	117.00 [2972]	118.50 [3010]	120.00 [3048]	122.00 [3099]	27.00 x 121.00 [686 x 3073]
ARE12-3132A	132.00 [3353]	133.50 [3391]	135.00 [3429]	137.00 [3480]	27.00 x 136.00 [686 x 3454]
ARE12-3144A/4144A	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-AMB	TITLE: BERNER
DATE	23JUN2025	MODEL ARE12 AIR CURTAIN
BY	S. Beil	AMBIENT SYSTEM
REPLACES	27MAY2025	
BY	S. Beil	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.