

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.

5 Year Limited Warranty



indoor use



MODEL	Nozzle Width (mm)	Max Vel. at Nozzle (m/s)	Avg. Outlet Vel. (m/s)	Air Volume (m ³ /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)
AI08-F-1036E	914	11,4	8,6	1616	84%	0,2	11	17,7	18° / 25°	24
AI08-F-1042E	1067	11,8	8,8	1927	83%	0,2	11	17,7	16° / 21°	26
AI08-F-1048E	1219	11,9	9,0	2266	81%	0,3	15	24,4	19° / 26°	29
AI08-F-1060E	1499	11,1	9,2	2832	81%	0,3	15	24,4	15° / 21°	34
AI08-F-1072E	1829	10,9	8,0	3024	84%	0,3	21	32,9	19° / 27°	40
AI08-F-2078E	1981	11,4	8,7	3542	83%	0,4	21	35,4	17° / 23°	48
AI08-F-2084E	2134	11,8	8,8	3853	83%	0,5	21	35,4	16° / 21°	53
AI08-F-2096E	2438	11,9	9,0	4533	81%	0,5	30	48,8	19° / 26°	57
AI08-F-2108E	2743	11,9	9,0	5099	81%	0,6	30	48,8	17° / 23°	62
AI08-F-2120E	2997	11,1	9,2	5665	81%	0,6	30	48,8	15° / 21°	67

NOTE: Min/Max Temp Rise: Min Temp Rise at high speed and Max Temp Rise at low speed.

MODEL NUMBER CONFIGURATION

AI08-F-1 036 E PE-100-EC-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
AI08	F	1, 2	036" - 120" (914- 3048mm)	E=Electric Heated	EC motors only	10.0 - 28.8 (100 - 288)	EC= Motor	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

- 210mm high x 406mm deep
- 0,15kW EC 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
- Single stage electric heater (open element)
- Filter (washable)

OPTIONS

- Custom Color or Stainless
- Rear cover for top mounting to conceal fasteners
- Berner AIR® BMS (smart control with BACnet and Modbus capabilities)

VELOCITY PROJECTION: Model AI08-F-1036E

Distance from Nozzle (mm)	1000	2000	3000
Core Velocity (m/s)	4,9	3,6	3,1
Uniformity (%)	91%	89%	92%

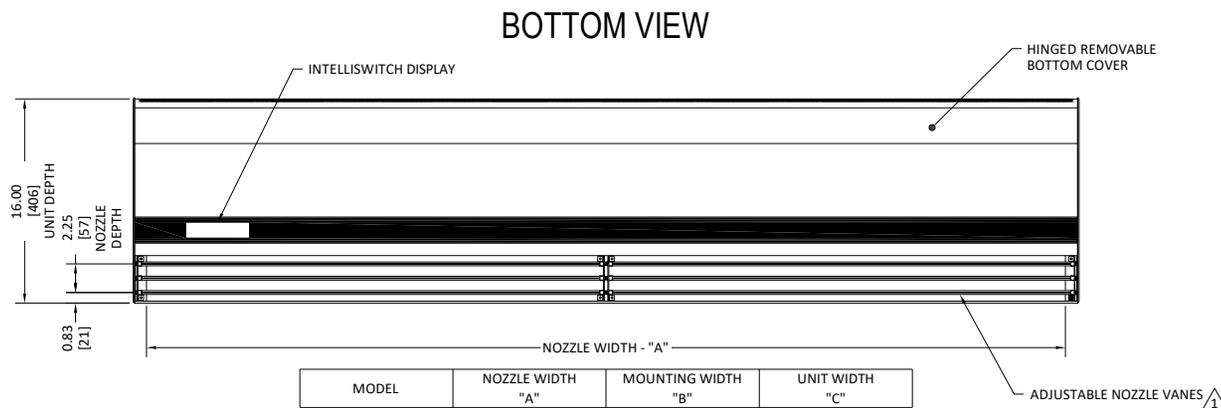
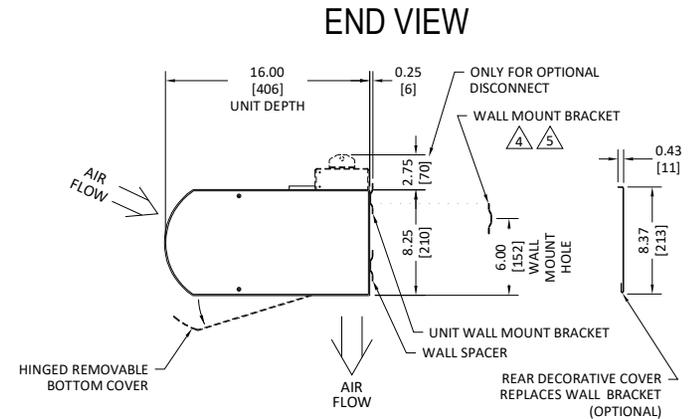
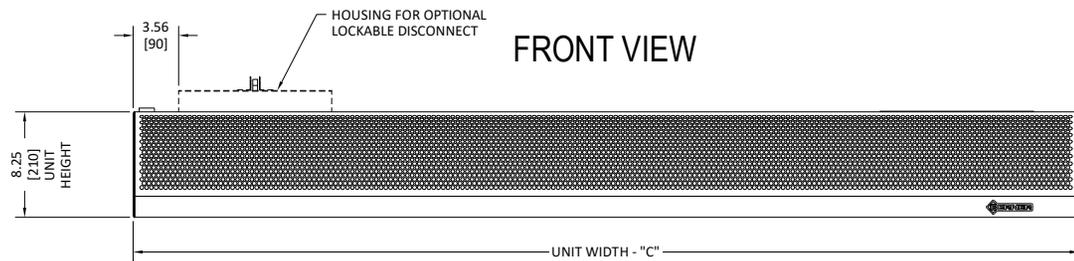
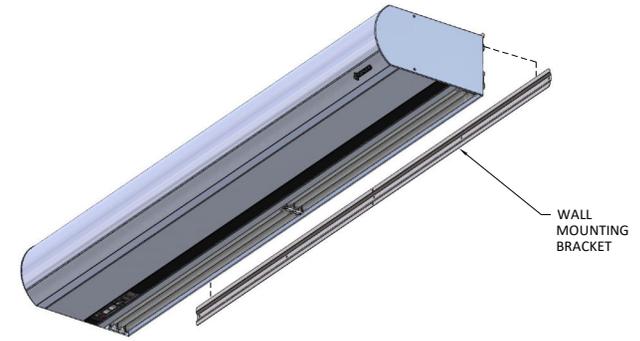
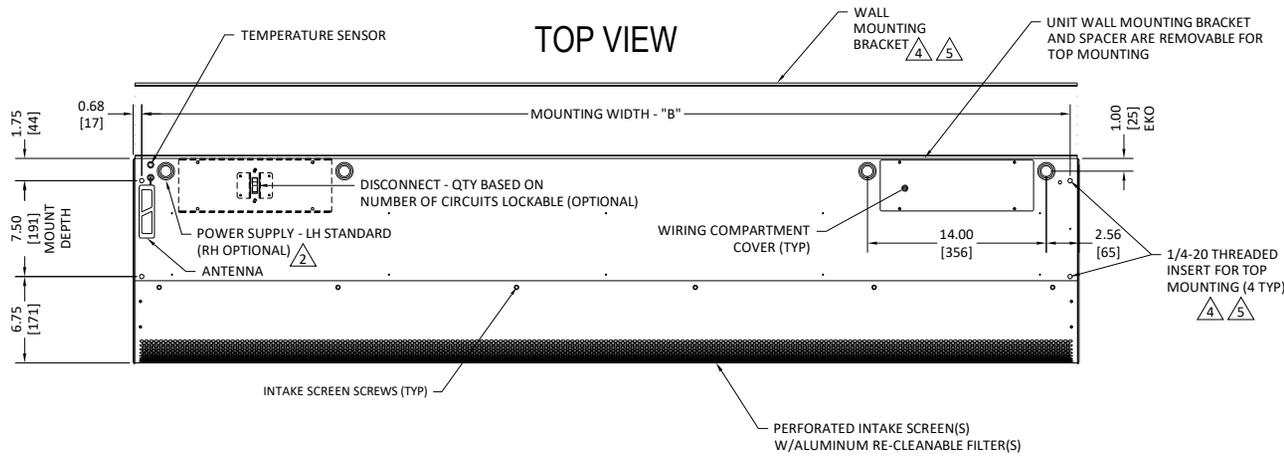
ASHRAE 90.1-2019 vestibule exception requires, "a jet velocity of not less than 6.6 feet per second (400 fpm; 2.0 m/s) at 6.0 in (15 cm) above the floor."

Sound level measured 10' (3m) from the unit in free field:
 1 motor: Min./Max. Speed: 50/55 dBA
 2 motors: Min./Max. Speed: 53/58 dBA

Sound data is not AMCA certified.

Berner reserves the right to alter specifications without prior notice.

AI08-F ELECTRIC HEATED SYSTEM: 400/3/50



MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
AI08-F-1036E	36.00 [914]	36.75 [934]	38.13 [968]
AI08-F-1042E	42.00 [1067]	42.75 [1086]	44.13 [1121]
AI08-F-1048E	48.00 [1219]	48.75 [1238]	50.13 [1273]
AI08-F-1060E	59.00 [1499]	59.75 [1518]	61.13 [1553]
AI08-F-1072E	72.00 [1829]	72.75 [1848]	74.13 [1883]
AI08-F-1078E	78.00 [1981]	78.75 [2000]	80.13 [2035]
AI08-F-2084E	84.00 [2134]	84.75 [2153]	86.13 [2188]
AI08-F-2096E	96.00 [2438]	96.75 [2458]	98.13 [2492]
AI08-F-2108E	108.00 [2743]	108.75 [2762]	110.13 [2797]
AI08-F-2120E	118.00 [2997]	118.75 [3016]	120.13 [3051]

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.	AI08-F-ELE-400	TITLE:	BERNER MODEL AI08-F AIR CURTAIN 400V ELECTRIC HEATED SYSTEM
DATE	22JUL2025		
BY	S. Beil		
REPLACES	-		
BY	-	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.	