

For Door Heights To 8' (environmental separation)

#### STANDARD CONSTRUCTION

- 11" high x 24" deep
- 1/2 hp three speed motor(s)
- Factory provided remote fan speed switch
- White powder coated exterior (Optional: Custom Color)
- Top Mounting (Wall optional)
- High efficiency, low noise Pro-V Nozzle
- Optional: Wall mounting plate
- Optional: Decorative adaptor



Berner International Corporation 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.

**5 Year Limited Warranty**



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	Net Wt. (lbs)
AEC08-1036A	36.50	2,000	1,680	1,155	79%	0.34	1 @ 1/2	111
AEC08-1042A	42.50	2,000	1,557	1,249	71%	0.37	1 @ 1/2	135
AEC08-1048A	48.50	2,000	1,838	1,685	78%	0.49	1 @ 1/2	158
AEC08-1060A	59.50	2,000	1,697	1,912	71%	0.56	1 @ 1/2	185

NOTE: Operation at 50 Hz will generate approximately a 17% reduction in air performance.

See sheet EP-230 for amp draws/total load requirements.

### MODEL NUMBER CONFIGURATION

## AEC08-1 036 A A-CC

Series	# of Motors	Opening Width	Heat	Voltage	Opt. Cabinet Finish
AEC08	1	036" - 60"	A=Ambient	*A=120/1/60 B=208/1/60 J=240/1/60 V=220/1/50	CC=Custom Color

\*Suitable for 50hz

#### VELOCITY PROFILE: Model AEC08-1036A

Distance from Nozzle (ft.)	2	3	4
Core Velocity (fpm)	1483	1181	961

Velocity projection based on high speed operation.

Sound level measured 10' (3m) from the unit in free field:  
 AEC1036 & AEC1042: Low/Medium/High Speed: 59/60/62 dBA  
 AEC1048 & AEC1060: Low/Medium/High Speed: 61/62/64 dBA  
 Sound data is not AMCA certified.

Berner reserves the right to alter specifications without prior notice.



# ARCHITECTURAL ELITE 8

## Ambient (Unheated) Air Curtain

### Electrical Performance Sheet

MODEL	# CKTS	120/1/60 (voltage code A) MOTOR AMP DRAW = 7.2 each		# CKTS	208/1/60 (voltage code B) or 220/1/50 (voltage code V) MOTOR AMP DRAW = 4.0 each		# CKTS	240/1/60 (voltage code J) MOTOR AMP DRAW = 4.0 each	
		AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT		AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT		AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT
AEC08-1036A AEC08-1042A	1	7.2	15	1	4.0	15	1	4.0	15
AEC08-1048A AEC08-1060A	1	7.2	15	1	4.0	15	1	4.0	15

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# TOP VIEW

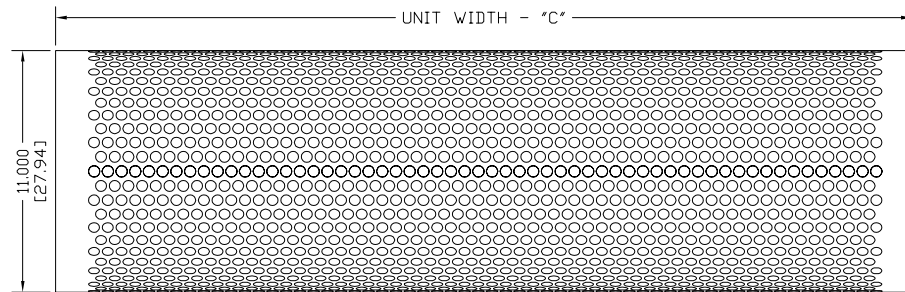


# AEC08 AMBIENT SYSTEM

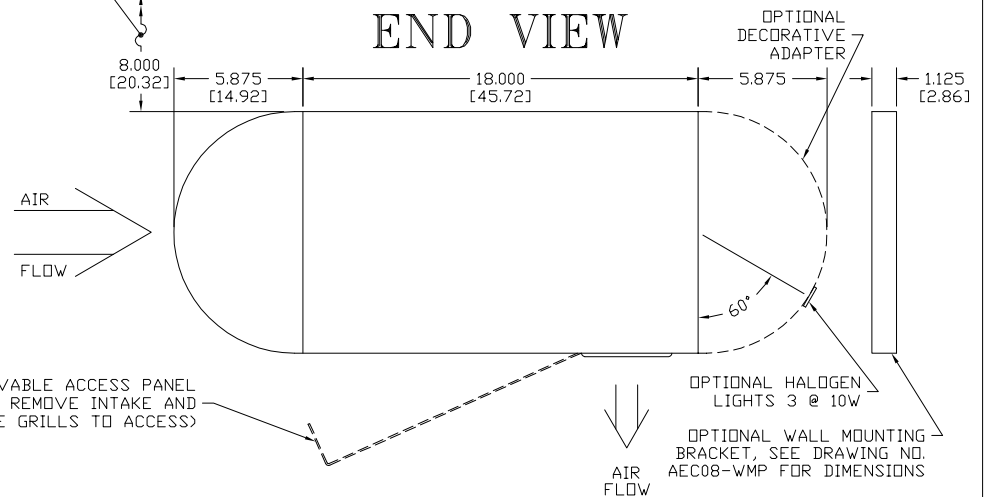
## NOTES:

- ⚠️ AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF  $\phi$ .
- ⚠️ ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- ⚠️ FIELD VERIFY DIMENSIONS.
- ⚠️ ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- ⚠️ ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- ⚠️ LETTER "A" IN MODEL NUMBER DESIGNATES AMBIENT UNIT.
- ⚠️ DIMENSIONS IN INCHES [CENTIMETERS].

# FRONT VIEW



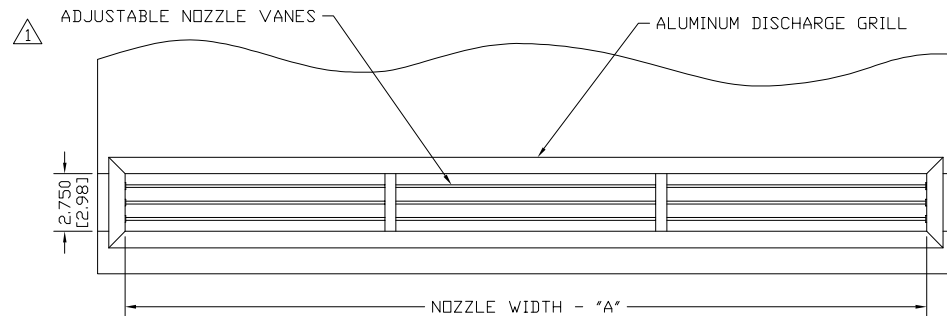
# END VIEW



KEEP CLEAR FOR SERVICE

HINGED REMOVABLE ACCESS PANEL  
(MUST REMOVE INTAKE AND DISCHARGE GRILLS TO ACCESS)

# BOTTOM VIEW



MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
AEC08-1036A	36.500 [92.71]	37.750 [95.89]	39.000 [99.06]
AEC08-1042A	42.500 [107.95]	43.750 [111.13]	45.000 [114.30]
AEC08-1048A	48.500 [123.19]	49.750 [126.37]	51.000 [129.54]
AEC08-1060A	59.500 [151.13]	60.750 [154.31]	62.000 [157.48]

PROJECT		TITLE: <b>BERNER</b>
LOCATION		MODEL AEC08 AIR CURTAIN
ARCHITECT		AMBIENT SYSTEM
ENGINEER		
DWG. NO.	AEC08-AMB	
DATE	21MAY14	
BY	S. Beil	
REPLACES	-	
BY	-	
BERNER INTERNATIONAL CORP. NEW CASTLE, PA.		