

No.: DS-123
 Date: October, 2003
 Replaces: November, 2001



ARISTOCRAT
Ambient
Data Sheet

STANDARD FEATURES

- ◆ ¾ hp motors
- ◆ Galvanized steel fan wheels & housings
- ◆ Aluminum airfoil shaped directional vanes
- ◆ Aluminum base frame
- ◆ Aluminum housing with polyester white painted finish
- ◆ Keyhole slots in backplate for quick wall mounting
- ◆ Licensed to bear AMCA Air Performance Seal

- ◆ UL Listed (United States & Canada)
- ◆ Five year parts warranty
- ◆ Made in the USA

OPTIONAL FEATURES

- ◆ 1/2 hp 3 speed motor available (ASF & ASR Only)

MODEL	Nozzle Width (in)	Max. Velocity (fpm)	Avg. Outlet Velocity (fpm)†	Air Volume†	# Motor(s) @ hp	Power Rating (kW)†	Outlet Velocity Unif. (%)†	# Fans	Net Wgt. (lbs)	Ship Wgt. (lbs)
CUSTOMER ENTRY MODELS										
ASF1036A	36"	2700	1337	958	1 @ ¾	.51	81.4	2	50	69
ASF1042A	42"	2700	958	978	1 @ ¾	.33	78.9	2	52	78
ASF1048A	48"	2700	1011	966	1 @ ¾	.53	59.4	2	53	80
ASF1060A-2*	60"	2700	692	977	1 @ ¾	.31	26.0	2	54	110
ASF1060A-3**	60"	2700	1006	1498	1 @ ¾	.40	70.0	3	60	116
ASF1072A ††	72"	2700	838	1467	1 @ ¾	.40	62.0	3	70	126
ASF2072A	72"	2700	1337	1916	2 @ ¾	1.02	81.4	4	80	136
SERVICE ENTRY MODELS										
ASR1036A	36"	3500	1965	1812	1 @ ¾	.68	71.9	2	50	69
ASR1042A	42"	3500	1716	1752	1 @ ¾	.75	78.6	2	52	78
ASR1048A	48"	3500	1504	1882	1 @ ¾	.73	54.6	2	53	80
ASR1060A*	60"	3500	1225	1817	1 @ ¾	.74	27.0	2	54	90
ASR2060A**	60"	3500	1805	2726	2 @ ¾	1.18	74.0	3	70	116
ASR2072A	72"	3500	1965	3624	2 @ ¾	1.36	71.9	4	84	130
NSF CERTIFIED - CUSTOMER ENTRY MODELS										
ASN1036A	36"	3500	1965	1812	1 @ ¾	.68	71.9	2	50	69
ASN1042A	42"	3500	1716	1752	1 @ ¾	.75	78.6	2	52	78

* Two blower system ** Three blower system For door widths in excess of 72" combine units.

† AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only. †† Model ASF1072A is not licensed to bear the AMCA seal.

MOTOR VOLTAGES/AMP DRAWS					
Horsepower	3/4	3/4	3/4	1/2	1/2
Speed	1	1	1	3	3
Volts	120	208/240	480	120	208/240
Phase	1	1	1	1	1
Hertz**	50/60	50/60	50/60	50/60	50/60
Amps per Motor	7.5	3.8	1.8	7.2	4.0

**Operation at 50 Hz will generate approximately a 17% reduction in performance.

Sound level measured 10' (3m) from the unit in free field:	
ASF (2 FAN)	58 dBA
ASF (3 FAN)	60 dBA
ASR & ASN (2 FAN)	67 dBA
ASR & ASN (3 FAN)	69 dBA

AMCA Seal applies to air performance only.



for outdoor use ASN MODELS ONLY Berner reserves the right to alter specifications without prior notice.

VELOCITY PROJECTION			
Model: ASF1036			
Distance from Nozzle (ft)	2	3	5
Core Velocity (fpm)	1555	1011	900
Model: ASR1036 & ASN1036			
Distance from Nozzle (ft)	3	5	7
Core Velocity (fpm)	2060	1555	1300



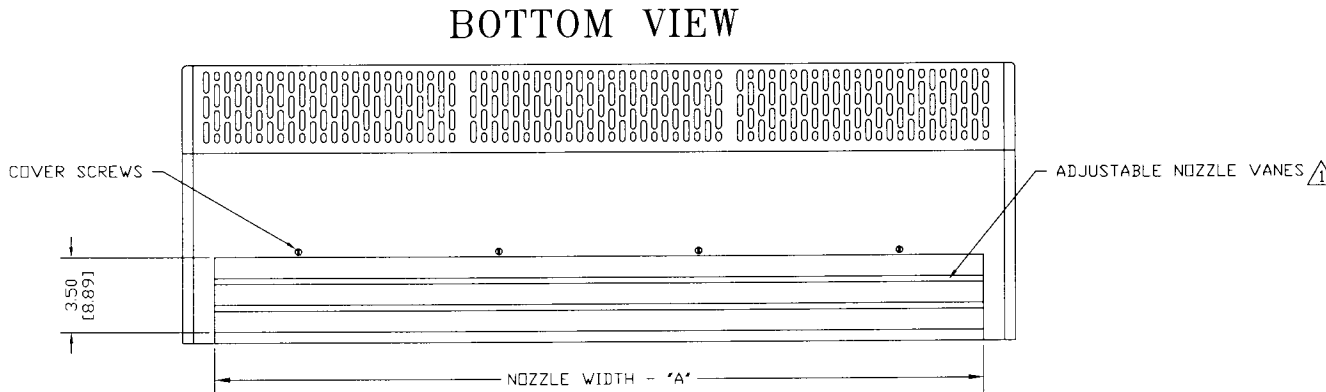
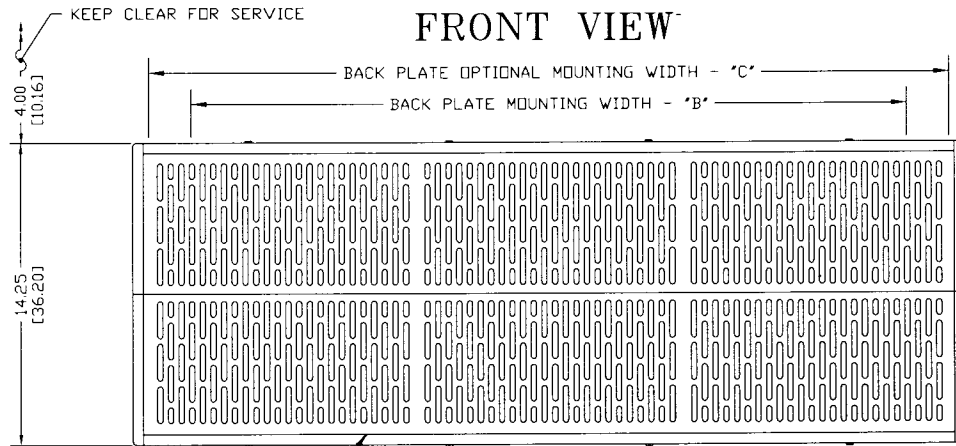
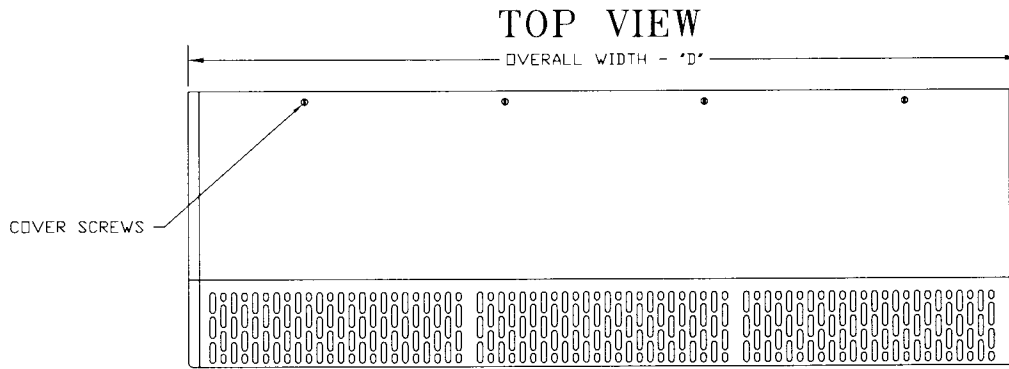
Berner International Corporation certifies that the air curtains shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

Rated data shown is for base unheated units.

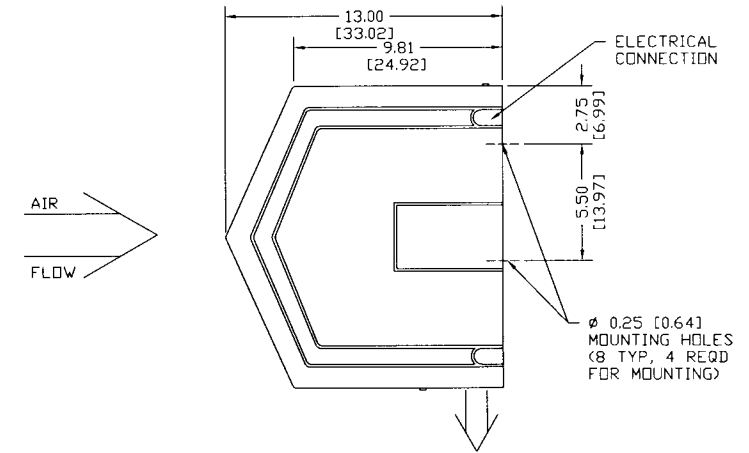
THE **ARISTOCRAT**
AIR DOOR
AMBIENT

NOTES:

- ① AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF ϕ .
- ② ELECTRICAL CONNECTIONS ARE TO BE FLEXIBLE.
- ③ FIELD VERIFY DIMENSIONS.
- ④ ANCHORS TO SUPPORTING STRUCTURE TO BE SUPPLIED BY OTHERS.
- ⑤ ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- ⑥ DIMENSIONS IN INCHES (CENTIMETERS).



END VIEW



MODEL	NOZZLE 'A'	MOUNTING 'B'	MOUNTING 'C'	OVERALL 'D'
AS*1036A ASN1036A	36.00 [91.44]	33.50 [85.09]	37.50 [95.25]	39.00 [99.06]
AS*1042A ASN1042A	42.00 [106.68]	39.50 [100.33]	43.50 [110.49]	45.00 [114.30]
AS*1048A	48.00 [121.92]	45.50 [115.57]	49.50 [125.73]	51.00 [129.54]
AS*1060A ASR2060A	60.00 [152.40]	57.50 [146.05]	61.50 [156.21]	63.00 [160.02]
ASF1072A AS*2072A	72.00 [193.04]	69.50 [176.53]	73.50 [186.69]	75.00 [190.50]

REPLACE '*' WITH 'F' OR 'R' FOR FRONT OR REAR DOOR.
HNSF CERTIFICATION APPLIES TO ASN SERIES ONLY.

DWG. NO.	LVAJ0032	TITLE:	BERNER
DATE	30SEP03		MODEL ARISTOCRAT AIR DOOR
BY	A. Johnston		AMBIENT
REPLACES	29MAY03		BERNER INTERNATIONAL CORP.
BY	B. Peffer		NEW CASTLE, PA.