

No.: DS-124
 Date: October, 2003
 Replaces: April, 2002



ARISTOCRAT
 Electric Heated
 Data Sheet

STANDARD FEATURES

- ◆ ¾ hp motor(s)
- ◆ 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
- ◆ UL Listed (United States & Canada)
- ◆ Two year parts warranty
- ◆ Made in the USA

HEATER FEATURES

- ◆ Helical coil with point suspension of elements for longer life
- ◆ Available single or three phase
- ◆ Easily replaceable heater elements
- ◆ Galvanized steel frame
- ◆ Thermally protected against overheating

OPTIONAL FEATURES

- ◆ 1/2 hp 3 speed motor available
- ◆ Reduced kW available (consult factory)

MODEL	Nozzle Width (in)	Max. Vel. (fpm)	Avg. Outlet Velocity (fpm)	Air Volume (cfm)	# Motor(s) @ hp	Power Rating (kW)	Outlet Velocity Unif. (%)	# Fans	Net Wgt. (lbs)	Ship Wgt. (lbs)
CUSTOMER ENTRY MODELS										
ASF1036E	36"	2700	1337	958	1 @ ¾	.51	81.4	2	55	71
ASF1042E	42"	2700	958	978	1 @ ¾	.33	78.9	2	56	81
ASF1048E	48"	2700	1011	966	1 @ ¾	.53	59.4	2	56	83
ASF1060E-2*	60"	2700	692	1009	1 @ ¾	.33	26.0	2	63	95
ASF1060E-3**	60"	2700	1005	1487	1 @ ¾	.50	70.0	3	65	121
ASF1072E	72"	2700	838	1467	1 @ ¾	.50	62.0	3	75	131
ASF2072E	72"	2700	1337	1916	2 @ ¾	1.02	81.4	4	100	140
SERVICE ENTRY MODELS										
ASR1036E	36"	3500	1965	1812	1 @ ¾	.68	79.6	2	52	71
ASR1042E	42"	3500	1716	1752	1 @ ¾	.75	78.6	2	55	81
ASR1048E	48"	3500	1504	1882	1 @ ¾	.73	54.6	2	56	83
ASR1060E	60"	3500	1225	1817	1 @ ¾	.74	27.0	2	63	95
ASR2060E	60"	3500	1805	2726	2 @ ¾	1.18	74.0	3	96	121
ASR2072E	72"	3500	1965	3624	2 @ ¾	1.36	71.9	4	100	140

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

ELECTRIC HEATER DATA						
MODEL	208/240/1*	208/3	240/3	480/3	600/3**	Temp. Rise °F @ kW
CUSTOMER ENTRY MODELS						
ASF1036E	7.5 or 10.0 kW	7.5 or 10.0 kW	7.5 or 10.0 kW	10.0 kW	10.0 kW	25° @ 7.5 Kw / 33° @ 10.0 kW
ASF1042E	7.5 or 10.0 kW	7.5 or 10.0 kW	7.5 or 10.0 kW	10.0 kW	10.0 kW	24° @ 7.5 kW / 32° @ 10.0 kW
ASF1048E	7.5 or 10.0 kW	7.5 or 10.0 kW	7.5 or 10.0 kW	10.0 kW	10.0 kW	24° @ 7.5 kW / 33° @ 10.0 kW
ASF1060E-2	7.5 or 10.0 kW	7.5 or 10.0 kW	7.5 or 10.0 kW	10.0 kW	10.0 kW	23° @ 7.5 kW / 31° @ 10.0 kW
ASF1060E-3	N/A	15.0 kW	15.0 kW	15.0 kW	15.0 kW	32° @ 15.0 kW
ASF1072E	N/A	15.0 kW	15.0 kW	15.0 kW	15.0 kW	32° @ 15.0 kW
ASF2072E	N/A	15.0 or 20.0 kW	15.0 or 20.0 kW	20.0 kW	20.0 kW	25° @ 15.0 kW / 33° @ 20.0 kW
SERVICE ENTRY MODELS						
ASR1036E	7.5 or 10.0 kW	7.5 or 10.0 kW	7.5 or 10.0 kW	10.0 kW	10.0 kW	14° @ 7.5 kW / 18° @ 10.0 kW
ASR1042E	7.5 or 10.0 kW	7.5 or 10.0 kW	7.5 or 10.0 kW	10.0 kW	10.0 kW	14° @ 7.5 kW / 18° @ 10.0 kW
ASR1048E	7.5 or 10.0 kW	7.5 or 10.0 kW	7.5 or 10.0 kW	10.0 kW	10.0 kW	14° @ 7.5 kW / 18° @ 10.0 kW
ASR1060E	7.5 or 10.0 kW	7.5 or 10.0 kW	7.5 or 10.0 kW	10.0 kW	10.0 kW	14° @ 7.5 kW / 18° @ 10.0 kW
ASR2060E	N/A	15.0 kW	15.0 kW	15.0 kW	15.0 kW	18° @ 15.0 kW
ASR2072E	N/A	15.0 or 20.0 kW	15.0 or 20.0 kW	20.0 kW	20.0 kW	14° @ 15.0 kW / 18° @ 20.0 kW

*Two circuits are required when combined amp draw of motor(s) and heater(s) is greater than 48 amps.

**A separate 120/208 or 240/1 circuit required for the motor.

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

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

Berner reserves the right to alter specifications without prior notice.

HEATER AMP DRAWS @ kW						
	208/1	240/1	208/3	240/3	480/3	600/3
7.5 kW	36.1	30.8	20.8	17.8	9.0	N/A
10.0 kW	48.0*	41.7	27.8	24.1	12.0	10
15.0 kW	N/A	62.5*	41.6	36.1	18.0	15.1
20.0 kW	N/A	83.3*	55.1*	48.1*	24.1	20.1

*total heater amp draw; two circuits required

Sound level measured 10' (3m) from the unit in free field:

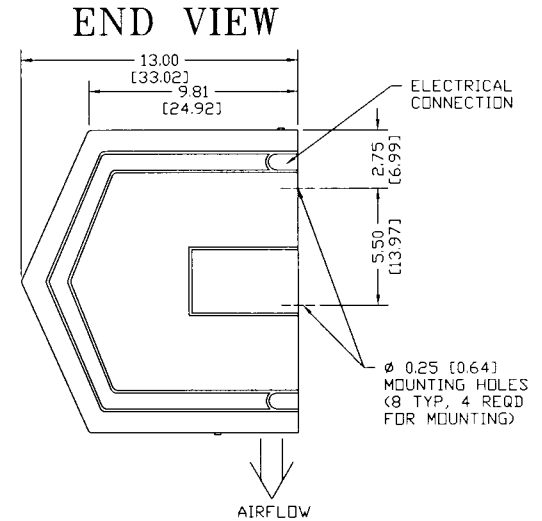
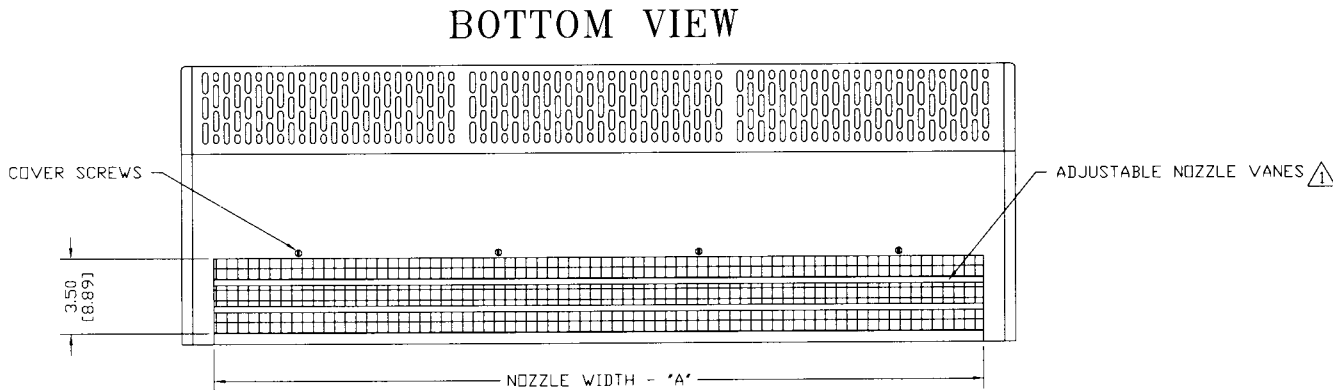
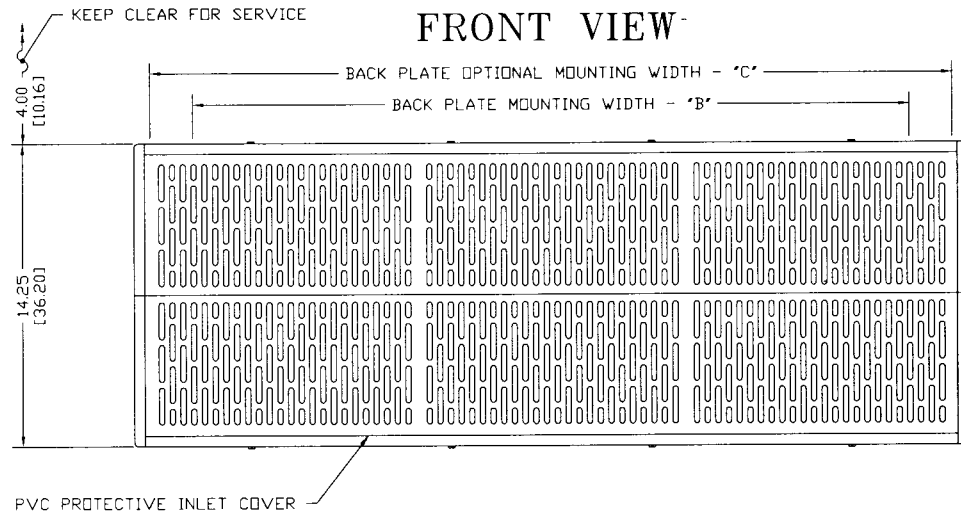
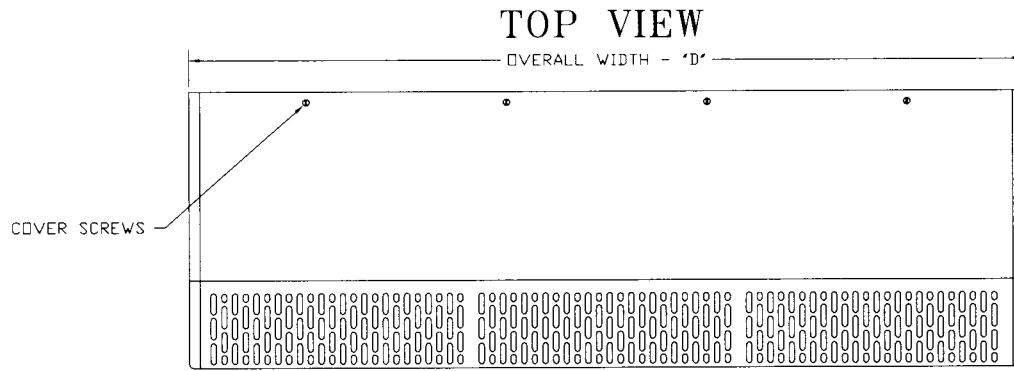
ASF-E **58 dBA**
 ASR-E **67 dBA**




THE ARISTOCRAT
 AIR DOOR
 ELECTRIC HEATED

NOTES:

- ① AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF C.
- 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).



MODEL	NOZZLE 'A'	MOUNTING 'B'	MOUNTING 'C'	OVERALL 'D'
AS*1036E	36.00 [91.44]	33.50 [85.09]	37.50 [95.25]	39.00 [99.06]
AS*1042E	42.00 [106.68]	39.50 [100.33]	43.50 [110.49]	45.00 [114.30]
AS*1048E	48.00 [121.92]	45.50 [115.57]	49.50 [125.73]	51.00 [129.54]
AS*1060E	60.00 [152.40]	57.50 [146.05]	61.50 [156.21]	63.00 [160.02]
ASF1072E	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.

DWG. NO.	LWA-J0031	TITLE	BERNER
DATE	30SEP03	MODEL ARISTOCRAT AIR DOOR	
BY	A Johnston	ELECTRIC HEATED	
REPLACES	29MAY03	BERNER INTERNATIONAL CORP.	
BY	B. Peffer	NEW CASTLE, PA.	