

STANDARD FEATURES

- ◆ ½ hp single speed motor(s)
- ◆ Galvanized steel blower wheels and housing
- ◆ Airfoil aluminum air directional vanes
- ◆ Powder coated finish with aluminum inlet screen
- ◆ 16 gauge aluminized steel cabinet
- ◆ ½” mounting holes (wall or top mounting)
- ◆ Licensed to bear AMCA Air Performance Seal
- ◆ UL Listed (United States and Canada)
- ◆ Five year parts warranty
- ◆ Crafted with Pride in the USA

OPTIONAL FEATURES

- ◆ ½ hp multi-speed motor(s) (consult factory)

MODEL	Nozzle Width (in)	Max. Vel. (fpm)	Avg. Out. Vel. (fpm) †	Air Volume (scfm) †	Motor(s) @ hp	Power Rating (kW) †	Outlet Vel. Unif. (%) †	Net Wgt (lbs)	Ship Wgt (lbs)
KSA1036A	36	4000	1728	1512	1 @ ½	0.51	87	80	102
KSA1042A	42	4000	1551	1583	1 @ ½	0.52	89	86	111
KSA1048A	48	4000	1366	1594	1 @ ½	0.53	78	91	120
KSA1060A††	66	4000	1049	1530	1 @ ½	0.53	74	102	138
KSA2060A	66	4000	2010	2931	2 @ ½	0.99	85	148	184
KSA2072A	72	4000	1728	3024	2 @ ½	1.02	87	157	200
KSA2078A	78	4000	1633	3095	2 @ ½	1.03	87	163	210
KSA2084A	84	4000	1551	3166	2 @ ½	1.04	89	168	218
KSA2096A	99	4000	1366	3188	2 @ ½	1.06	78	178	236
KSA3096A††	99	4000	1857	4332	3 @ ½	1.53	88	218	276
KSA2108A††	108	4000	1190	3124	2 @ ½	1.06	74	221	286
KSA3108A	108	4000	1728	4536	3 @ ½	1.53	87	261	326
KSA2120A††	117	4000	1049	3060	2 @ ½	1.06	74	228	300
KSA3120A	117	4000	1604	4678	3 @ ½	1.55	87	268	340
KSA3132A	132	4000	1484	4760	3 @ ½	1.57	78	289	368
KSA3144A	144	4000	1366	4782	3 @ ½	1.59	78	303	389
KSA4144A	144	4000	1728	6048	4 @ ½	2.04	87	343	429

MOTOR VOLTAGES/AMP DRAWS										
VOLTS	120	208	240	208	240	480	600	190	220	380
PHASE	1	1	1	3	3	3	3	3	1	3
HERTZ*	60	60	60	60	60	60	60	50	50	50
AMPS per MOTOR	7.2	4.0	4.0	2.5	2.4	1.2	0.8	2.4	4.0	1.2

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

VELOCITY PROFILE Model: KSA1036A			
Distance from Nozzle (ft)	3	6.5	10
(m)	1	2	3
Core Velocity (fpm)	2633	1867	1578
(m/s)	13.38	9.48	8.02
Uniformity (%)	89	93	92

Sound level measured 10' (3m) from the unit in free field:
Sound data is not AMCA certified. **60 dBA**

AMCA Seal applies to air performance only.



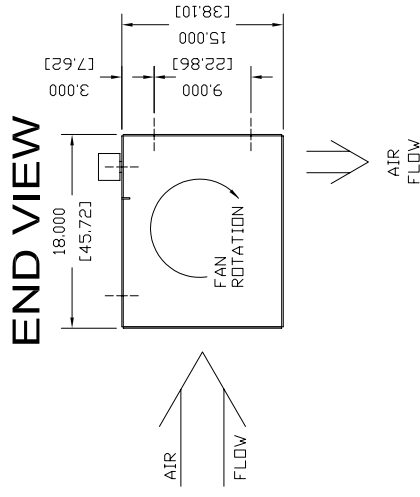
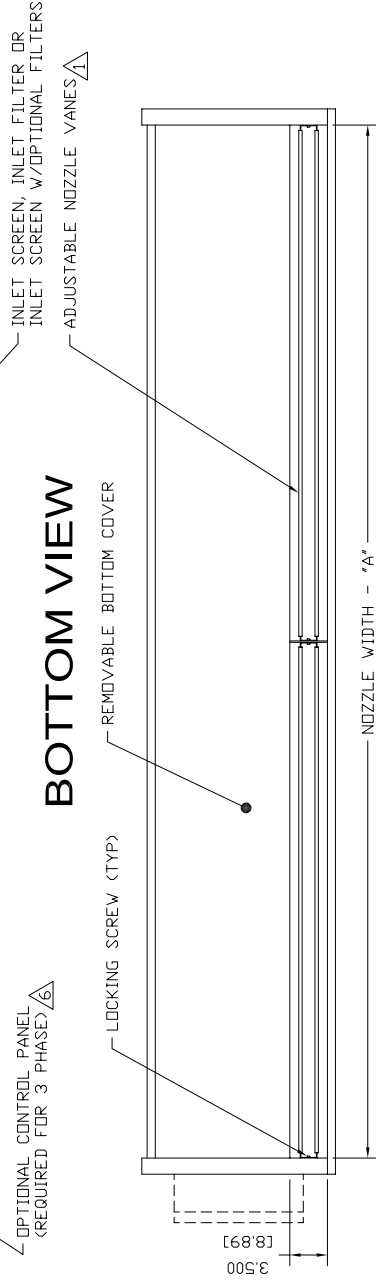
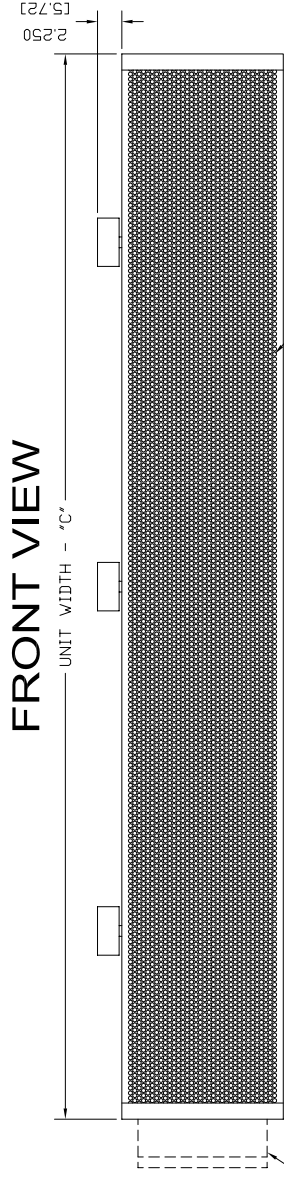
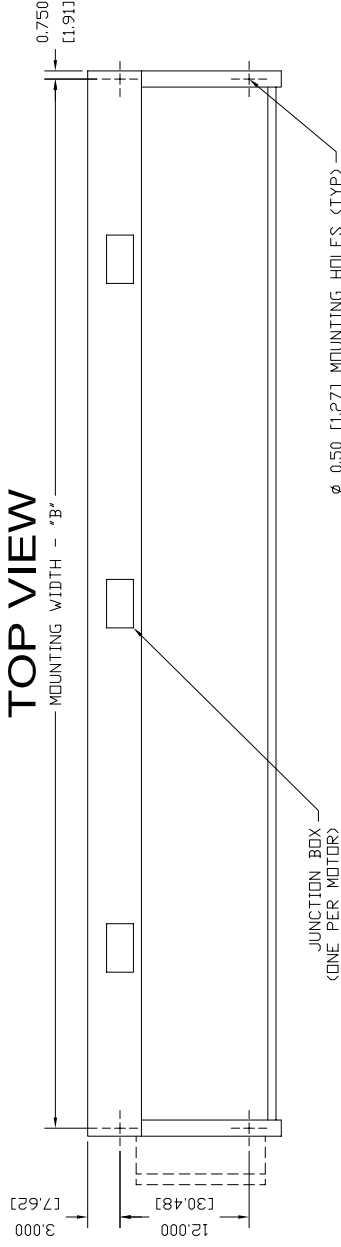
Berner International Corporation certifies that the air curtains shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. Rated data shown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

††Models KSA1060A, KSA3096A, KSA2108A, KSA2120A, are not licensed to bear the AMCA seal.

Berner reserves the right to alter specifications without prior notice.

KSA AMBIENT SYSTEM



NOTES:

- 1 AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF ϕ .
- 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 OPTIONAL CONTROL PANEL AVAILABLE: LEFT HAND MOUNT, RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- 7 DIMENSIONS IN INCHES (CENTIMETERS).

MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
KSA1036A	36.00 [91.44]	37.50 [95.25]	39.00 [99.06]
KSA1042A	42.00 [106.68]	43.50 [110.49]	45.00 [114.30]
KSA1048A	48.00 [121.92]	49.50 [125.73]	51.00 [129.54]
KSA1060A/2060A	66.00 [167.64]	67.50 [171.45]	69.00 [175.26]
KSA2072A	72.00 [182.88]	73.50 [186.69]	75.00 [190.50]
KSA2078A	78.00 [192.12]	79.50 [201.93]	81.00 [205.74]
KSA2084A	84.00 [213.36]	85.50 [217.17]	87.00 [220.98]
KSA2096A/3096A	99.00 [251.46]	100.50 [255.27]	102.00 [259.08]
KSA2108A/3108A	108.00 [274.32]	109.50 [278.13]	111.00 [281.94]
KSA2120A/3120A	117.00 [297.18]	118.50 [300.99]	120.00 [304.80]
KSA3132A	132.00 [333.28]	133.50 [339.09]	135.00 [342.90]
KSA3144A/4144A	144.00 [365.76]	145.50 [369.57]	147.00 [373.38]

PROJECT	
LOCATION	
ARCHITECT	
ENGINEER	
DWG. NO.	VSAV0020
DATE	13APR07
BY	D. Johnson
REPLACES	
BY	
TITLE: BERNER	
MODEL KSA AIR CURTAIN AMBIENT SYSTEM	
BERNER INTERNATIONAL CORP. NEW GASTLEPA	