

STANDARD FEATURES

- ◆ ½ hp single speed motor(s)
- ◆ Factory mounted control panel - 24 volt control
- ◆ 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 mount)
- ◆ UL Listed (United States and Canada)
- ◆ Two year parts warranty
- ◆ Crafted with Pride in the USA

HEATER FEATURES

- ◆ Helical coil with point suspension of elements
- ◆ Available single or three phase
- ◆ Galvanized steel frame
- ◆ Thermally protected against overheating

OPTIONAL FEATURES

- ◆ Reduced kW available (see sheet KW-337)
- ◆ ½ hp multi-speed motor(s) (consult factory)

Model	Nozzle Width (in)	Max. Velocity (fpm)	Avg. Outlet Velocity (fpm)	Air Volume (scfm)	Motor(s) @ hp	Power Rating (kW)	Outlet Velocity Unif. (%)	Electric Capacity (kW)*	Heater Capacity (BTU/hr)	Temp. Rise (°F)	Net Wgt. (lbs)	Ship Wgt. (lbs)
KSA1036E	36	4000	1728	1512	1 @ ½	0.51	87	14.0	47,782	29	86	108
KSA1042E	42	4000	1551	1583	1 @ ½	0.52	89	14.0	47,782	28	92	117
KSA1048E	48	4000	1366	1594	1 @ ½	0.53	78	14.0	47,782	28	97	126
KSA1060E	66	4000	1049	1530	1 @ ½	0.53	74	14.0	47,782	29	108	144
KSA2060E	66	4000	2010	2931	2 @ ½	0.99	85	28.0	95,564	30	160	196
KSA2072E	72	4000	1728	3024	2 @ ½	1.02	87	28.0	95,564	29	169	212
KSA2078E	78	4000	1633	3095	2 @ ½	1.03	87	28.0	95,564	28	175	222
KSA2084E	84	4000	1551	3166	2 @ ½	1.04	89	28.0	95,564	28	180	230
KSA2096E	99	4000	1366	3188	2 @ ½	1.06	78	28.0	95,564	28	190	248
KSA3096E	99	4000	1857	4332	3 @ ½	1.53	88	42.0	143,346	30	236	294
KSA2108E	108	4000	1190	3124	2 @ ½	1.06	74	28.0	95,564	28	233	298
KSA3108E	108	4000	1728	4536	3 @ ½	1.53	87	42.0	143,346	29	279	344
KSA2120E	117	4000	1049	3060	2 @ ½	1.06	74	28.0	95,564	29	240	312
KSA3120E	117	4000	1604	4678	3 @ ½	1.55	87	42.0	143,346	28	286	358
KSA3132E	132	4000	1484	4760	3 @ ½	1.57	78	42.0	143,346	28	307	386
KSA3144E	144	4000	1366	4782	3 @ ½	1.59	78	42.0	143,346	28	321	407
KSA4144E	144	4000	1728	6048	4 @ ½	2.04	87	56.0	191,128	29	367	453

Air performance based on AMCA licensed data from base (unheated) units

*Reduced kW heaters available, see sheet KW-337

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.

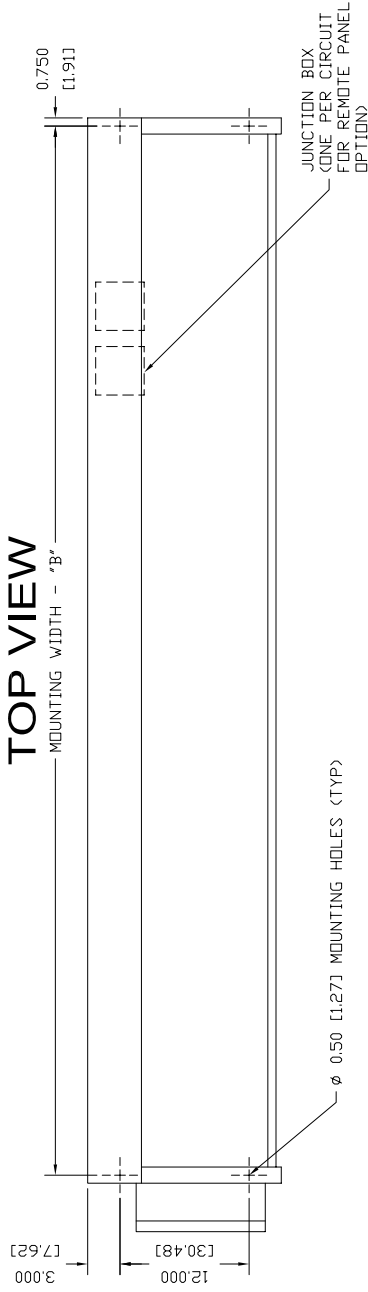
**120 volt motors will always require a separate circuit.



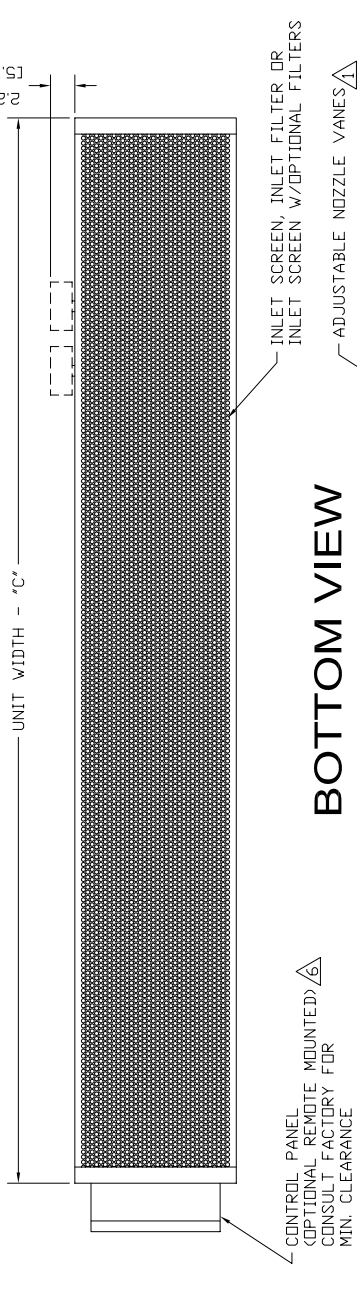
Sound level measured 10' (3m) from the unit in free field: **60 dBA**

Berner reserves the right to alter specifications without prior notice.

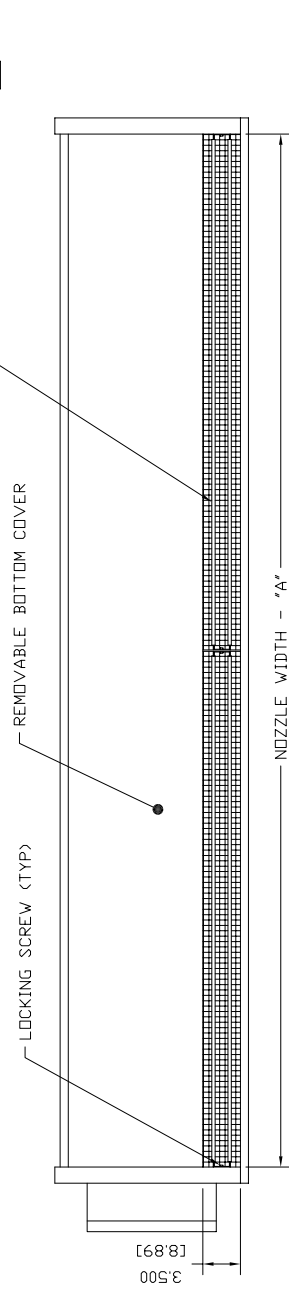
KSA ELECTRIC HEATED SYSTEM



FRONT VIEW

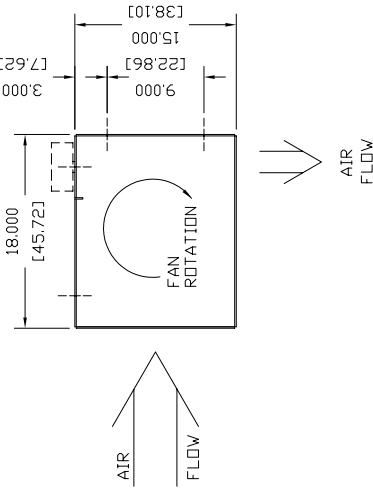


BOTTOM VIEW



MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
KSA1036E	36.00 [91.44]	37.50 [95.25]	39.00 [99.06]
KSA1042E	42.00 [106.68]	43.50 [110.49]	45.00 [114.30]
KSA1048E	48.00 [121.92]	49.50 [125.73]	51.00 [129.54]
KSA1060E/2060E	66.00 [167.64]	67.50 [171.45]	69.00 [175.26]
KSA2072E	72.00 [182.88]	73.50 [186.69]	75.00 [190.50]
KSA2078E	78.00 [192.12]	79.50 [201.93]	81.00 [205.74]
KSA2084E	84.00 [213.36]	85.50 [217.17]	87.00 [220.98]
KSA2096E/3096E	99.00 [251.46]	100.50 [255.27]	102.00 [259.08]
KSA2108E/3108E	108.00 [274.32]	109.50 [278.13]	111.00 [281.94]
KSA2120E/3120E	117.00 [297.18]	118.50 [300.99]	120.00 [304.80]
KSA3132E	132.00 [333.28]	133.50 [339.09]	135.00 [342.90]
KSA3144E/4144E	144.00 [365.76]	145.50 [369.57]	147.00 [373.38]

END VIEW



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 UNIT MOUNTED CONTROL PANEL STANDARD, REMOTE OPTIONAL.
- 7 DIMENSIONS IN INCHES (CENTIMETERS).

PROJECT	
LOCATION	
ARCHITECT	
ENGINEER	
DWG. NO.	VSAV0021
DATE	13APR07
BY	D. Johnson
REPLACES	
BY	
TITLE: BERNER	
MODEL KSA AIR CURTAIN ELECTRIC HEATED SYSTEM	
BERNER INTERNATIONAL CORP. NEW GASTLEPA	