

For Door Heights 13' to 16'

STANDARD FEATURES

- 1 hp two speed motor(s)
- Factory installed "Intelliswitch" digital programmable controller - see features below
- High efficiency, low noise Pro-V Nozzle
- Galvanized steel blower wheels & housing
- Lockable aluminum airfoil directional vanes
- Filter included (washable)

- Hinged white aluminum bottom access panel
- Powder coated inlet screen
- Five year parts warranty
- Crafted with Pride in the USA

OPTIONAL EXPOSED BOTTOM PANEL FINISHES

- Stainless steel or custom color finish

AMCA Certified Lab Data

MODEL	Nozzle Width (in)	Max FPM at Nozzle	Max CFM at Nozzle	CFM at Nozzle	Avg. Outlet Vel. (fpm)	Air Volume (scfm)	Power Rating (kW)	Outlet Vel. Unif. (%)	Motor(s) @ hp	Net Wgt (lbs)
FCB1036A	36"	7567	5959	3873	2368	2072	0.91	90	1 @ 1	115
FCB1042A	42"	7040	6324	4111	2208	2254	0.96	88	1 @ 1	122
FCB1048A	48"	7175	6446	4190	2015	2351	1.09	77	1 @ 1	128
FCB1060A	66"	6886	8096	5262	1502	2410	1.12	73	1 @ 1	148
FCB2060A	66"	7520	11098	7214	2446	3924	1.79	92	2 @ 1	200
FCB2072A	72"	7567	11918	7747	2368	4144	1.82	90	2 @ 1	207
FCB2084A	84"	7040	12649	8222	2208	4508	1.92	88	2 @ 1	232
FCB2096A	99"	7175	13294	8641	1954	4702	2.18	77	2 @ 1	245
FCB3096A	99"	7175	15538	10100	2492	5996	2.70	90	3 @ 1	297
FCB2108A	108"	6886	13248	8611	1814	4761	2.50	73	2 @ 1	262
FCB3108A	108"	7567	17877	11620	2368	6216	2.73	90	3 @ 1	314
FCB3120A	117"	7567	18936	12309	2314	6580	2.83	88	3 @ 1	314
FCB3132A	132"	7175	17725	11521	2138	6859	3.01	77	3 @ 1	336
FCB3144A	144"	7175	19337	12569	2015	7053	3.27	77	3 @ 1	349
FCB4144A	144"	7567	23836	15493	2368	8288	3.64	90	4 @ 1	401

Intelliswitch Features:

- ◆ Time Delay
- ◆ 2 Speed Fan Selection
- ◆ On/Off/Auto Operation
- ◆ Start/Stop Times
- ◆ Low Voltage Control Circuit
- ◆ Time Clock
- ◆ LED Display
- ◆ Lockable Display



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.

POWER SUPPLIES/MOTOR AMP DRAWS									
VOLTS	120	208	240	208	240	480	600	220*	380*
PHASE	1	1	1	3	3	3	3	1	3
HERTZ*	60	60	60	60	60	60	60	50	50
AMPS per MOTOR	12.6	6.5	6.5	6.5	6.5	3.2	2.6	6.5	6.5

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

VELOCITY PROFILE Model: FCB1036A			
Distance from Nozzle (ft)	3	6.5	14
Core Velocity (fpm)	2589	1800	1189
Uniformity	90	85	86

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 FCB1060A & FCB2108 are not licensed to bear AMCA seal.

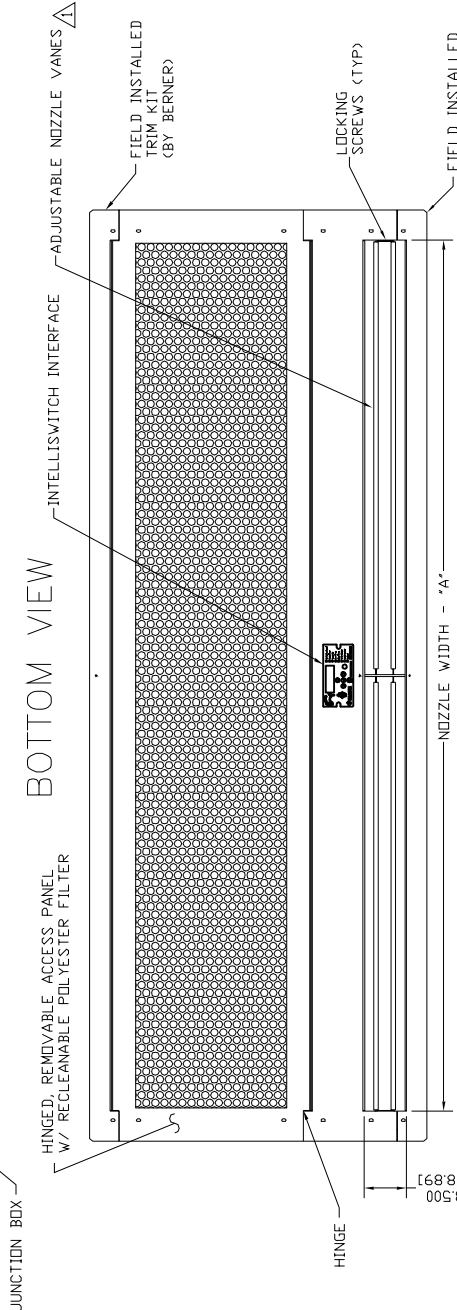
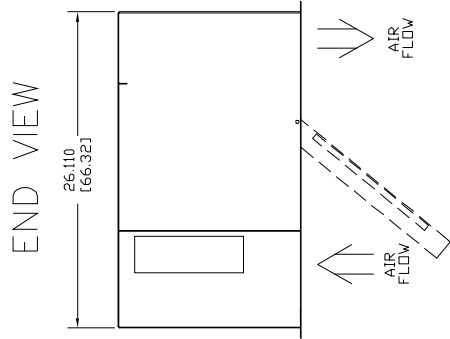
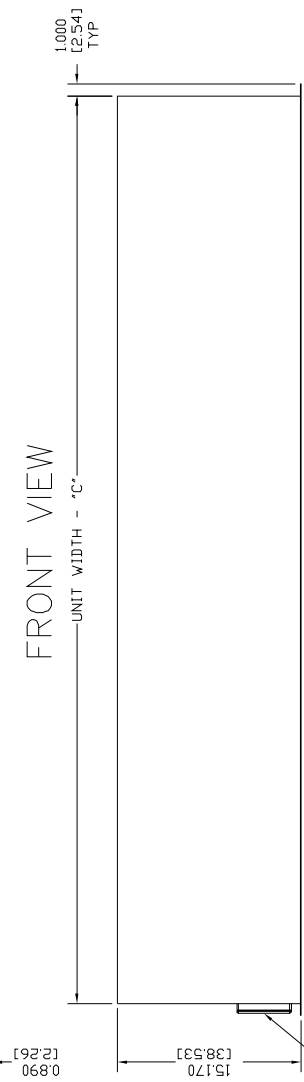
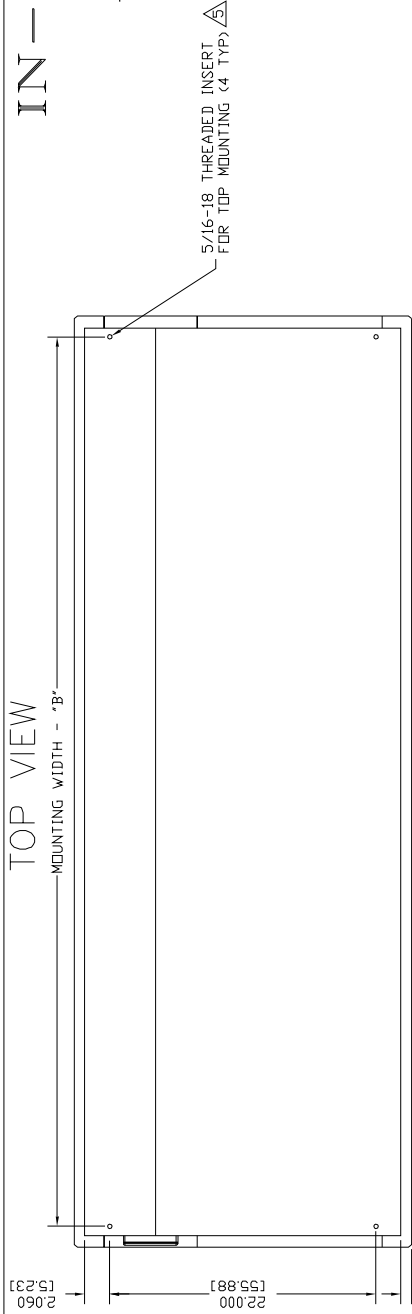
Sound level measured 10' (3m) from the unit in free field:
1 motor 63 dBA, 2 motors 66 dBA, 3 motors 68 dBA, 4 motors 69 dBA

AMCA Seal applies to air performance only, not sound data.



Berner reserves the right to alter specifications without prior notice.

IN-CEILING MOUNT AIR CURTAIN AMBIENT SYSTEM



MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
ICB/FCB1036A	36.00 [91.44]	37.50 [95.25]	39.00 [99.06]
ICB/FCB1042A	42.00 [106.68]	43.50 [110.49]	45.00 [114.30]
ICB/FCB1048A	48.00 [121.92]	49.50 [125.73]	51.00 [129.54]
ICB/FCB1060A/2060A	66.00 [167.64]	67.50 [171.45]	69.00 [175.26]
ICB/FCB2072A	72.00 [182.88]	73.50 [186.69]	75.00 [190.50]
ICB/FCB2084A	84.00 [213.36]	85.50 [217.17]	87.00 [220.98]
ICB/FCB2096A/3096A	99.00 [251.46]	100.50 [255.27]	102.00 [259.08]
ICB/FCB2108A/3108A	108.00 [274.32]	109.50 [278.13]	111.00 [281.94]
ICB/FCB2120A/3120A	117.00 [297.18]	118.50 [300.99]	120.00 [304.80]
ICB/FCB3132A	132.00 [335.28]	133.50 [339.09]	135.00 [342.90]
ICB/FCB3144A/4144A	144.00 [365.76]	145.50 [369.57]	147.00 [373.38]

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. DIMENSIONS IN INCHES (CENTIMETERS).

PROJECT	ICBA0026	TITLE: BERNER
LOCATION	21AUG2012	IN-CEILING MOUNT AIR CURTAIN AMBIENT SYSTEM
ARCHITECT	A. Johnston	
ENGINEER		
DWG. NO.		REV. -
DATE		
BY		
REPLACES		
BY		

BERNER INTERNATIONAL CORP.
NEW ORLEANS