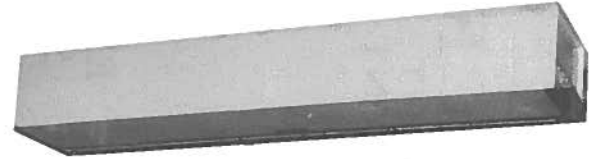


The Berner CFC is an industrial model air curtain used on warehouse, plant, and other large doors. The air curtains create a thermal barrier that stops drafts and reduce infiltration of outdoor air into heated or air conditioned areas. CFC air curtains stop winds.

No: DS-174
Date: March 1994
Replaces: 7-1-84



ENGLISH

Model	**CFC 1-60A-F	CFC 1-72A-F	CFC 1-96A-F	CFC 1-120A-F	CFC 1-144A-F	CFC 1-168A-F	CFC 2-192A-F
Nozzle Width (in.)	60	72	96	117	144	168	192
Max. Velocity (fpm)	6,000	6,000	6,000	6,000	6,000	6,000	6,000
Avg. Outlet Velocity (fpm)*	4043	3800	4002	4160	3900	3904	4002
Air Volume (scfm)*	7161	8018	11,340	14,365	16,574	19,358	22,680
# Motor(s) @ H.P.	1@5	1@5	1@7½	1@10	1@15	1@15	2@7½
Power Rating (kw)*	4.4	4.6	7.2	8.1	9.2	11.8	14.4
Outlet Velocity Uniformity (%)*	89	89	92	88	87	90	92
Net Wt. Unheated Model (lbs.)	390	435	600	750	835	1025	1190
Shipping Wt. Unheated Models (lbs.)	495	545	720	880	890	1200	1380

METRIC

Model	**CFC 1-60A-F	CFC 1-72A-F	CFC 1-96A-F	CFC 1-120A-F	CFC 1-144A-F	CFC 1-168A-F	CFC 2-192A-F
Nozzle Width (cm)	152.4	182.9	243.9	297.2	365.8	426.7	487.7
Max. Velocity (m/s)	30.5	30.5	30.5	30.5	30.5	30.5	30.5
Avg. Outlet Velocity (m/s)*	20.5	19.3	20.3	21.1	19.8	19.8	20.3
Air Volume (m³/h)*	12,165	13,621	19,265	24,403	28,157	32,886	38,530
# Motor(s) @ W	1@ 3.73	1@ 3.23	1@ 5.60	1@ 7.46	1@ 11.19	1@ 11.19	2@ 5.60
Power Rating (kw)*	4.4	4.6	7.2	8.1	9.2	11.8	14.4
Outlet Velocity Uniformity (%)*	89	89	92	88	87	90	92
Net Wt. Unheated Model (kg)	177	197	272	340	379	465	540
Shipping Wt. Unheated Models (kg)	225	247	327	399	404	544	626

*AMCA seal applies to air capacities, power ratings, outlet velocity uniformity and velocity profile.

**Performance does not include the effects of the turning vanes.

Standard Voltages:
208/240/480, 3 phase, 60 hz (575 is available)

AMP DRAW

HP	208 V CFC	240 V CFC	480 V CFC
5	17.0	15.8	9.9
7½	23.0	21.4	10.7
10	30.0	28.0	14.0
15	43.0	41.0	20.5

190/380/3/50 Standard 50 Hertz.

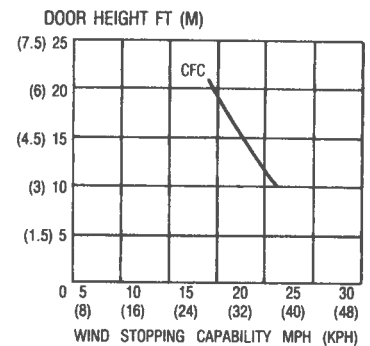
Optional voltages available.

Berner reserves the right to alter specifications without prior notice.



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.

Wind Protection Chart



If negative pressure exists in the plant, no air curtain will be fully effective. Contact factory for advice.

AMCA seal applies to air performance only.

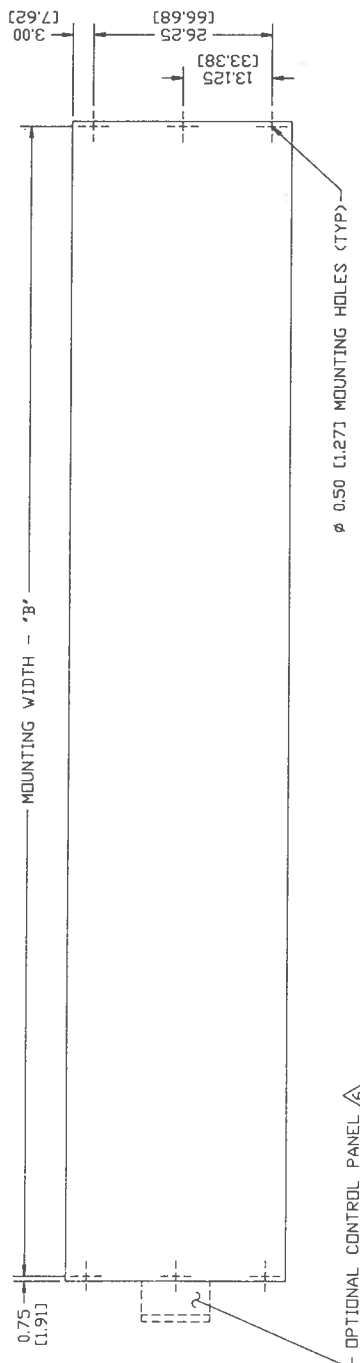
Sound level measured 10' (3M) from the unit in free field: 73 dBA

Velocity Profile Model: CFC-1-60

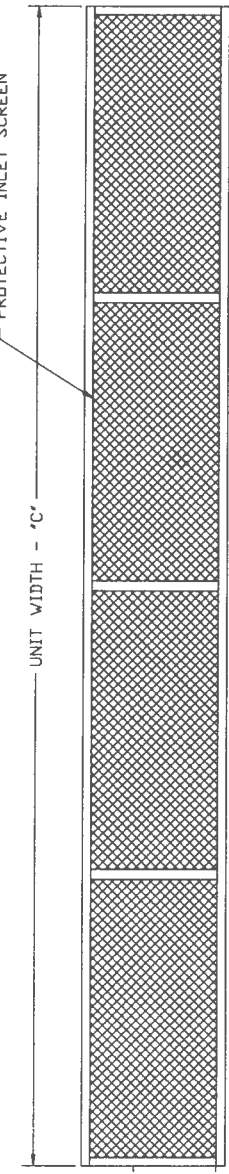
Distance from Nozzle (ft.)	=	3	10	17
(cm)	=	91.44	304.80	518.16
Core Velocity (fpm)	=	3883	2119	1543
(m/s)	=	19.73	10.76	7.84

CFC FRONT INTAKE AMBIENT SYSTEM

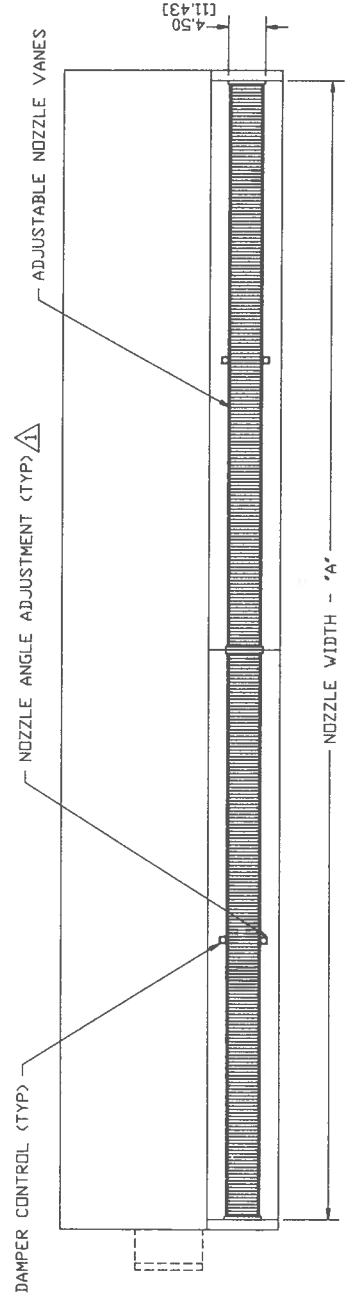
TOP VIEW



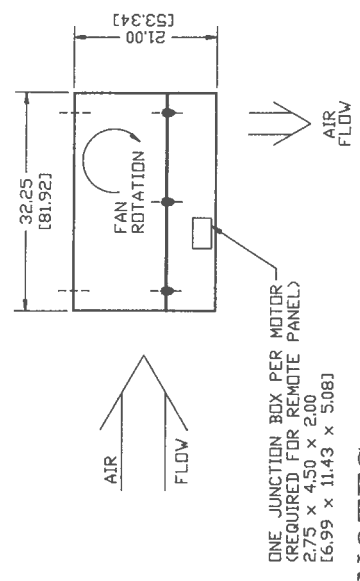
FRONT VIEW



BOTTOM VIEW



END VIEW



ONE JUNCTION BOX PER MOTOR
(REQUIRED FOR REMOTE PANEL)
2.75 x 4.50 x 2.00
[6.99 x 11.43 x 5.08]

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'
CFC-1-60A-F	60.00 [152.40]	61.50 [156.21]	63.00 [160.02]
CFC-1-72A-F	72.00 [182.88]	73.50 [186.69]	75.00 [190.50]
CFC-1-96A-F	96.00 [243.84]	97.50 [247.65]	99.00 [251.46]
CFC-1-120A-F	117.00 [297.18]	118.50 [300.99]	120.00 [304.80]
CFC-1-144A-F	144.00 [365.76]	145.50 [369.57]	147.00 [373.38]
CFC-1-168A-F	168.00 [426.72]	169.50 [430.53]	171.00 [434.34]
CFC-2-192A-F	192.00 [487.68]	193.50 [491.49]	195.00 [495.30]

PROJECT	
LOCATION	
ARCHITECT	
ENGINEER	
DWG. NO.	CFC2866
DATE	29DEC193
BY	I. Johnson
CHECK	
JOB NO.	
TITLE: BERNER MODEL CFC AIR CURTAIN FRONT INTAKE AMBIENT SYSTEM BERNER INTERNATIONAL CORP. NEW-CANTON, PA.	