



**STANDARD FEATURES**

- ◆ ½ hp three speed motor(s)
- ◆ Galvanized steel fan wheels & housings
- ◆ Lockable airfoil aluminum air directional vanes
- ◆ Filter included (washable)
- ◆ White aluminum exterior cabinet
- ◆ Adaptable to most ceiling types
- ◆ Bottom access panel
- ◆ Five year parts warranty
- ◆ Crafted with Pride in the USA

MODEL	Nozzle Width (in)	Max. Velocity (fpm)	Avg. Outlet Velocity (fpm)	Air Volume (scfm)	# Motor(s) @ hp	Power Rating (kW)	Outlet Velocity Unif. (%)	# Fans	Net Wgt. (lbs)	Ship Wgt. (lbs)
FCM1036A	36"	3500	1965	1812	1 @ ½	.68	71.9	2	72	91
FCM1042A	42"	3500	1716	1752	1 @ ½	.75	78.6	2	76	102
FCM1048A	48"	3500	1504	1882	1 @ ½	.73	54.6	2	79	106
FCM2060A	60"	3500	1805	2726	2 @ ½	1.18	74.0	3	100	146
FCM2072A	72"	3500	1965	3624	2 @ ½	1.36	71.9	4	118	164

MOTOR VOLTAGES/AMP DRAWS					
VOLTS	120	208	240	110*	220*
PHASE	1	1	1	1	1
HERTZ	60	60	60	50	50
AMPS per MOTOR	7.2	4.0	4.0	6.0	3.0

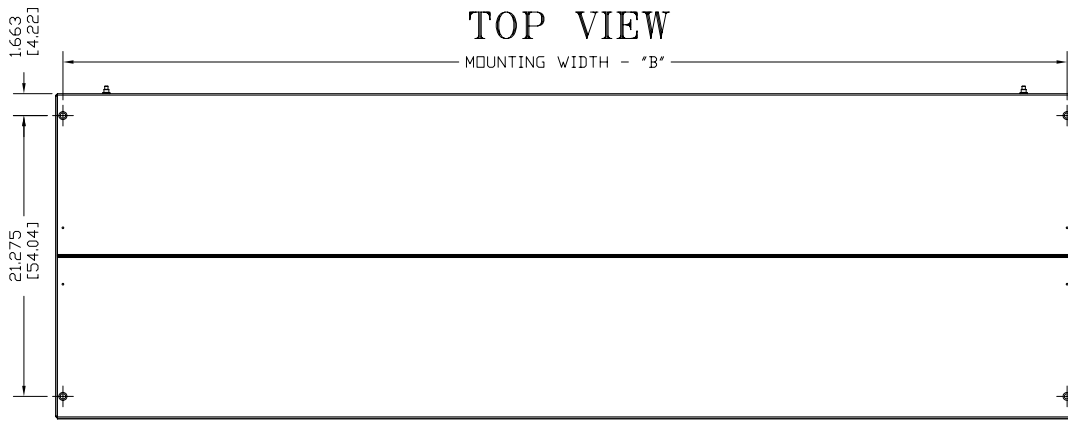
\*\*Operation at 50 Hz will generate approximately a 17% reduction in performance.

Sound level measured 10' (3m) from the unit in free field:  
**FCM (1 FAN) 55 dBA**  
**FCM (2 FAN) 58 dBA**  
*AMCA Seal applies to air performance only.*

VELOCITY PROJECTION			
Distance from Nozzle (ft)	3	5	7
Core Velocity (fpm)	2060	1555	1300

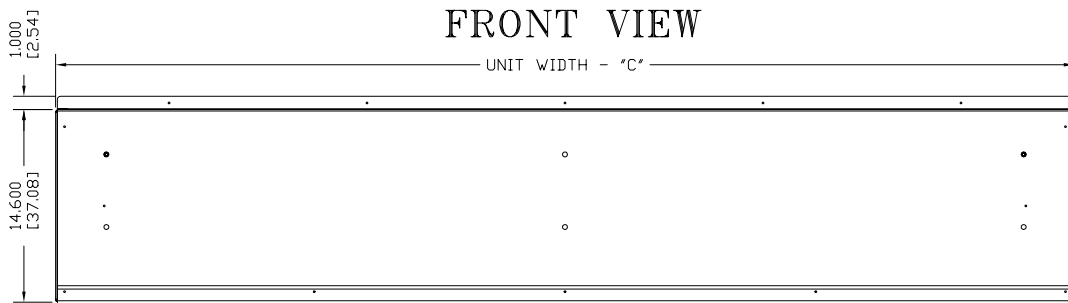
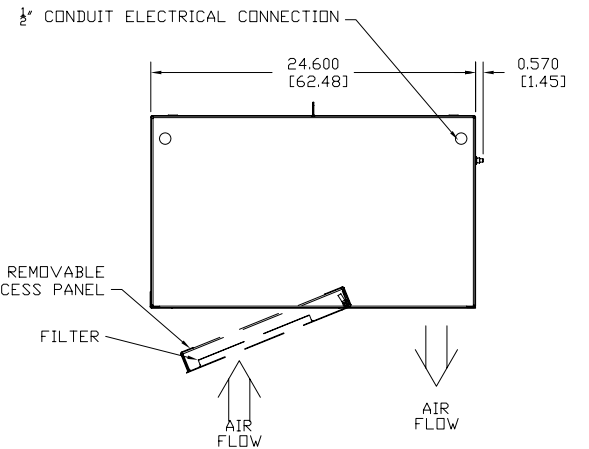
*Berner reserves the right to alter specifications without prior notice.*

# IN-CEILING MOUNT AIR CURTAIN AMBIENT SYSTEM

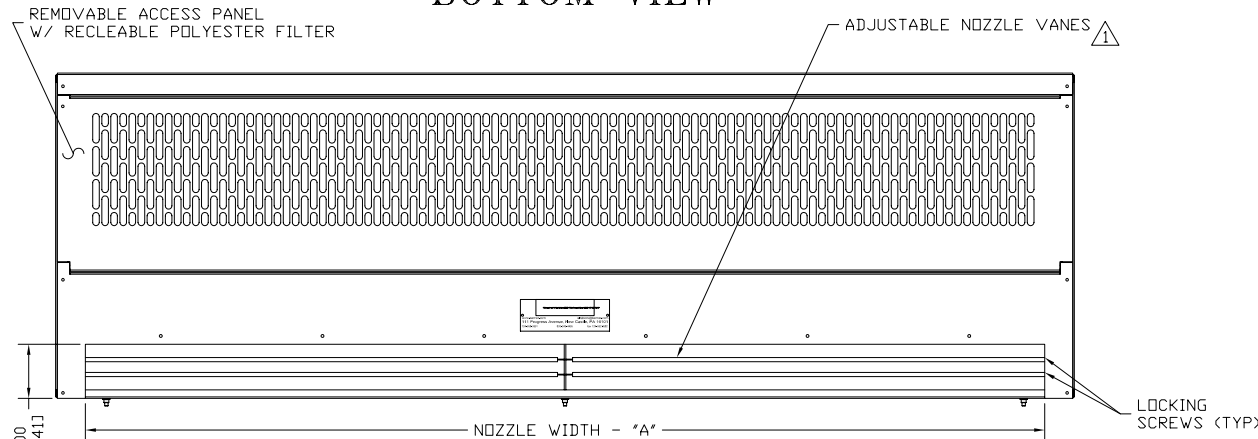


5/16-18 THREADED INSERT FOR TOP MOUNTING (4 TYP)  $\triangle$

## END VIEW



## BOTTOM VIEW



## NOTES:

- $\triangle$  AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF  $\phi$ .
- $\triangle$  ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- $\triangle$  FIELD VERIFY DIMENSIONS.
- $\triangle$  ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- $\triangle$  ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- $\triangle$  LETTER "A" IN MODEL NUMBER DESIGNATES AMBIENT SYSTEM.
- $\triangle$  DIMENSIONS IN INCHES [CENTIMETERS].

MODEL $\triangle$	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
FCM/ICM1036A	36.000 [91.44]	40.000 [101.60]	41.188 [104.62]
FCM/ICM1042A	42.000 [106.68]	46.000 [116.84]	47.188 [119.86]
FCM/ICM1048A	48.000 [121.92]	52.000 [132.08]	53.188 [134.62]
FCM/ICM2060A	60.000 [152.40]	64.000 [162.56]	65.188 [165.58]
FCM/ICM2072A	72.000 [182.88]	76.000 [193.04]	77.188 [196.06]

PROJECT		
LOCATION		
ARCHITECT		
ENGINEER		
DWG. NO.	ICMT0011	TITLE: <b>BERNER</b>
DATE	07JUL05	IN-CEILING MOUNT AIR CURTAIN
BY	D. Johnson	AMBIENT SYSTEM
REPLACES	-	
BY	-	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.