



INDUSTRIAL DIRECT DRIVE 14

Ambient (Unheated) Air Curtain

Data Sheet

For Mounting Heights To 14' (environmental separation) and 12' (insect control)

STANDARD CONSTRUCTION

- 1 hp single speed motor(s) - direct drive (Optional: two-speed)
- Gray powder coated exterior with mill aluminum screen and access panels (Optional: Custom Color or Stainless)
- Wall & Top Mounting
- Front air intake (Optional: top)
- High efficiency Pro-V Nozzle



Berner International 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.

5 Year
Limited
Warranty



for outdoor use

MODEL	Nozzle Width (in)	Max Vel. at Nozzle (fpm)	Avg. Outlet Vel. (fpm)	Air Volume (cfm)	Outlet Vel. Uniformity	Power Rating (kW)	Motor(s) @ hp	Net Wt. (lbs)
IDC14-1036A	36.00	7,567	2,738	2,396	87%	1.12	1 @ 1	103
IDC14-1042A	42.00	7,040	2,435	2,486	81%	1.12	1 @ 1	109
IDC14-1048A	48.00	7,175	2,173	2,535	84%	1.25	1 @ 1	114
IDC14-2060A	66.00	7,520	3,136	4,574	97%	2.07	2 @ 1	175
IDC14-2072A	72.00	7,567	2,738	4,792	87%	2.24	2 @ 1	184
IDC14-2078A	78.00	7,040	2,575	4,882	81%	2.24	2 @ 1	190
IDC14-2084A	84.00	7,040	2,435	4,972	81%	2.24	2 @ 1	195
IDC14-2096A	99.00	7,175	2,173	5,070	84%	2.50	2 @ 1	205
IDC14-3096A	99.00	7,567	2,987	6,970	87%	3.19	3 @ 1	249
IDC14-3108A	108.00	7,567	2,738	7,188	87%	3.36	3 @ 1	292
IDC14-3120A	117.00	7,040	2,526	7,368	81%	3.36	3 @ 1	299
IDC14-3132A	132.00	7,040	2,340	7,507	81%	3.49	3 @ 1	320
IDC14-3144A	144.00	7,175	2,173	7,605	84%	3.75	3 @ 1	334
IDC14-4144A	144.00	7,567	2,738	9,584	87%	4.48	4 @ 1	378
IDC14-4156A	156.00	7,040	2,575	9,764	81%	4.48	4 @ 1	394
IDC14-4168A	168.00	7,040	2,435	9,944	81%	4.48	4 @ 1	406
IDC14-4180A	180.00	7,040	2,295	10,042	81%	4.74	4 @ 1	419
IDC14-5180A	180.00	7,567	2,738	11,980	87%	5.60	5 @ 1	463
IDC14-4192A	192.00	7,175	2,173	10,140	84%	5.00	4 @ 1	431
IDC14-5192A	192.00	7,175	2,580	12,040	84%	5.69	5 @ 1	475

NOTES:

1. Operation at 50 Hz will generate approximately a 17% reduction in air performance.
2. Consult factory for vertically mounted units.

See sheet EP-410 for amp draws/total load requirements.

MODEL NUMBER CONFIGURATION

IDC14-1 036 A A-F-SS

Series	# of Motors	Opening Width	Heat	Voltage	Intake	Opt. Cabinet Finish
IDC14	1, 2, 3, 4, 5	036" - 192"	A=Ambient	*A=120/1/60 B=208/1/60 J=240/1/60 V=230/1/50 X=208/3/60 Y=240/3/60 Z=480/3/60 Q=600/3/60 O=380/3/50	T=Top F=Front	SS=Stainless Steel CC=Custom Color

*Suitable for 50hz

VELOCITY PROFILE: Model IDC14-1036A			
Distance from Nozzle (ft)	3	6.5	10
Core Velocity (fpm)	3822	2467	2133

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

1, 2, 3, 4 & 5 motor(s): 66 dBA, 69 dBA, 71 dBA, 72 dBA & 73 dBA
Sound data is not AMCA certified.

Berner reserves the right to alter specifications without prior notice.

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DS-410
January, 2025

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Electrical Performance Sheet

MODEL	# CKTS	120/1/60 (voltage code A) MOTOR AMP DRAW = 12.6 each		# CKTS	208/1/60 (voltage code B) MOTOR AMP DRAW = 6.5 each		# CKTS	240/1/60 (voltage code J) MOTOR AMP DRAW = 6.5 each		# CKTS	208/3/60 (voltage code X) MOTOR AMP DRAW = 6.5 each	
		AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT		AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT		AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT		AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT
IDC14-1036A IDC14-1042A IDC14-1048A	1	12.6	20	1	6.5	15	1	6.5	15	1	6.5	15
IDC14-2060A IDC14-2072A IDC14-2078A IDC14-2084A IDC14-2096A	1	25.2	35	1	13.0	20	1	13.0	20	1	13.0	20
IDC14-3096A IDC14-3108A IDC14-3120A IDC14-3132A IDC14-3144A	1	37.8	50	1	19.5	30	1	19.5	30	1	19.5	30
IDC14-4144A IDC14-4156A IDC14-4168A IDC14-4180A IDC14-4192A	1	50.4	70	1	26.0	35	1	26.0	35	1	26.0	35
IDC14-5180A IDC14-5192A	1	63.0	100	1	32.5	45	1	32.5	45	1	32.5	45

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Electrical Performance Sheet

MODEL	240/3/60 (voltage code Y) MOTOR AMP DRAW = 6.5 each			480/3/60 (voltage code Z) MOTOR AMP DRAW = 3.2 each			600/3/60 (voltage code Q) MOTOR AMP DRAW = 2.0 each			380/3/50 (voltage code O) MOTOR AMP DRAW = 9.5 each		
	# CKTS	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT
IDC14-1036A IDC14-1042A IDC14-1048A	1	6.5	15	1	3.2	15	1	2.0	15	1	9.5	15
IDC14-2060A IDC14-2072A IDC14-2078A IDC14-2084A IDC14-2096A	1	13.0	20	1	6.4	15	1	4.0	15	1	19.0	25
IDC14-3096A IDC14-3108A IDC14-3120A IDC14-3132A IDC14-3144A	1	19.5	30	1	9.6	15	1	6.0	15	1	28.5	40
IDC14-4144A IDC14-4156A IDC14-4168A IDC14-4180A IDC14-4192A	1	26.0	35	1	12.8	20	1	8.0	15	1	38.0	50
IDC14-5180A IDC14-5192A	1	32.5	45	1	16.0	20	1	10.0	15	1	47.5	60

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Electrical Performance Sheet

MODEL	# CKTS	230/1/50 (voltage code V) MOTOR AMP DRAW =9.5 each		# CKTS	400/3/50 or 60 (voltage code PD or PF) MOTOR AMP DRAW = 2.3 each		# CKTS	415/3/50 or 60 (voltage code P or PB) MOTOR AMP DRAW = 2.3 each	
		AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT		AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT		AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT
IDC14-1036A IDC14-1042A IDC14-1048A	1	9.5	15	1	2.3	15	1	2.3	15
IDC14-2060A IDC14-2072A IDC14-2078A IDC14-2084A IDC14-2096A	1	19.0	25	1	4.6	15	1	4.6	15
IDC14-3096A IDC14-3108A IDC14-3120A IDC14-3132A IDC14-3144A	1	28.5	40	1	6.9	15	1	6.9	15
IDC14-4144A IDC14-4156A IDC14-4168A IDC14-4180A IDC14-4192A	1	38.0	50	1	9.2	15	1	9.2	15
IDC14-5180A IDC14-5192A	1	47.5	60	1	11.5	15	1	11.5	15

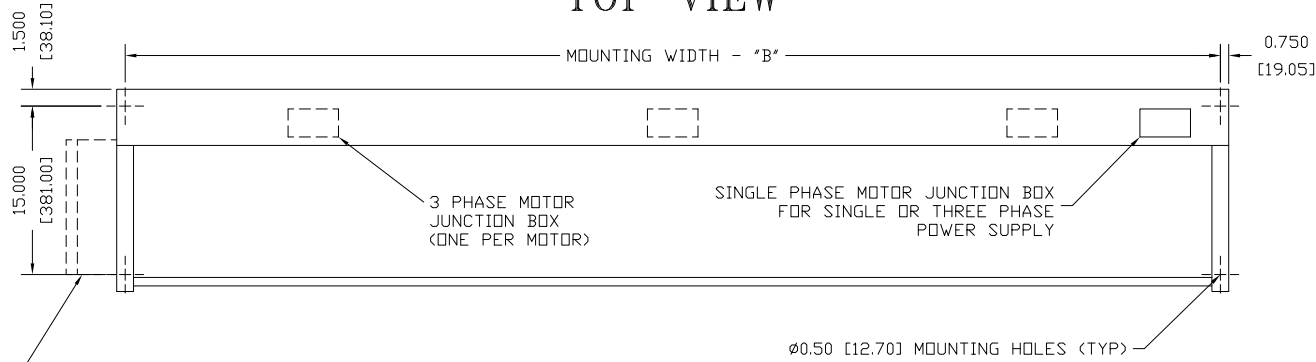
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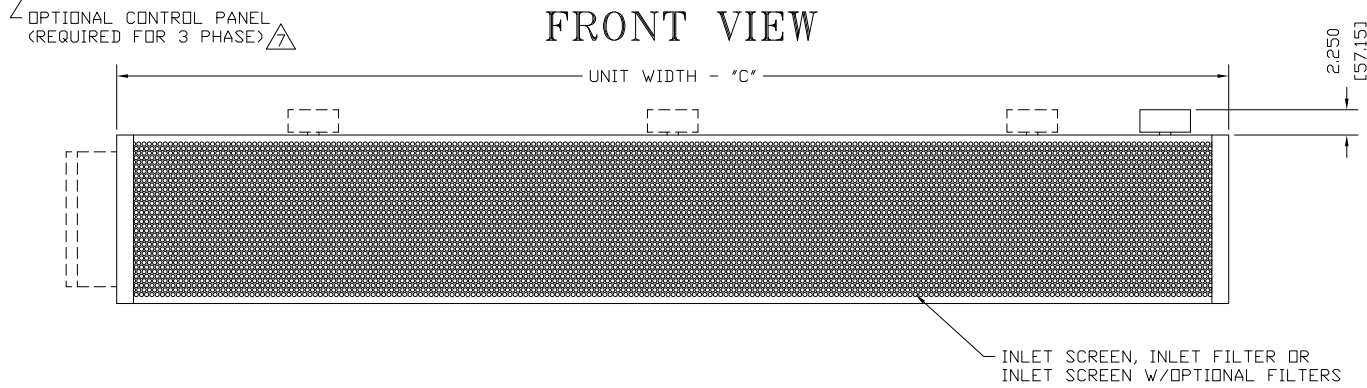
EP-410
April, 2025

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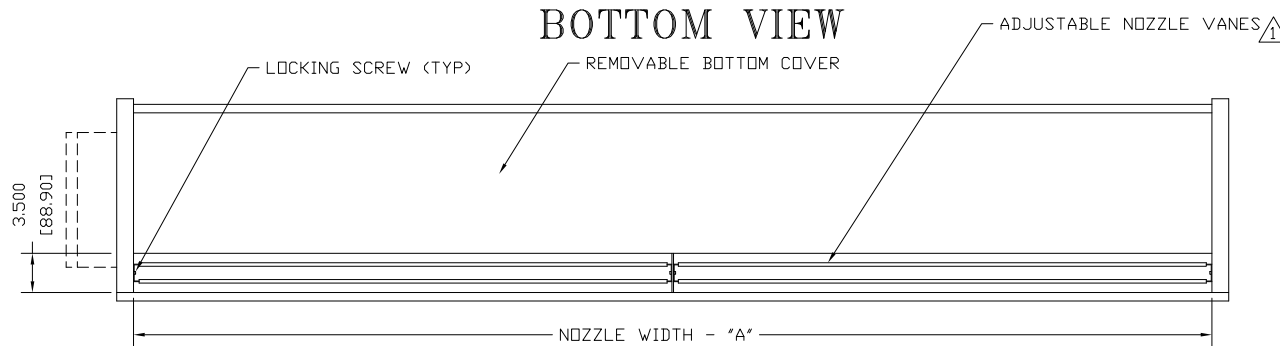
TOP VIEW



FRONT VIEW



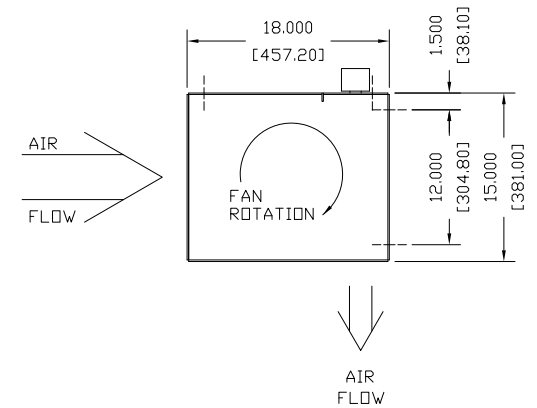
BOTTOM VIEW



MODEL [△]	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
IDC14-1036A	36.00 [914]	37.50 [953]	39.00 [991]
IDC14-1042A	42.00 [1067]	43.50 [1104]	45.00 [1143]
IDC14-1048A	48.00 [1219]	49.50 [1257]	51.00 [1295]
IDC14-2060A	66.00 [1676]	67.50 [1715]	69.00 [1753]
IDC14-2072A	72.00 [1829]	73.50 [1867]	75.00 [1905]
IDC14-2078A	78.00 [1921]	79.50 [2019]	81.00 [2057]
IDC14-2084A	84.00 [2134]	85.50 [2172]	87.00 [2210]
IDC14-2096A/3096A	99.00 [2515]	100.50 [2553]	102.00 [2591]
IDC14-3108A	108.00 [2743]	109.50 [2781]	111.00 [2819]
IDC14-3120A	117.00 [2972]	118.50 [3010]	120.00 [3048]
IDC14-3132A	132.00 [3353]	133.50 [3391]	135.00 [3429]
IDC14-3144A/4144A	144.00 [3658]	145.50 [3696]	147.00 [3734]

IDC14 AMBIENT SYSTEM

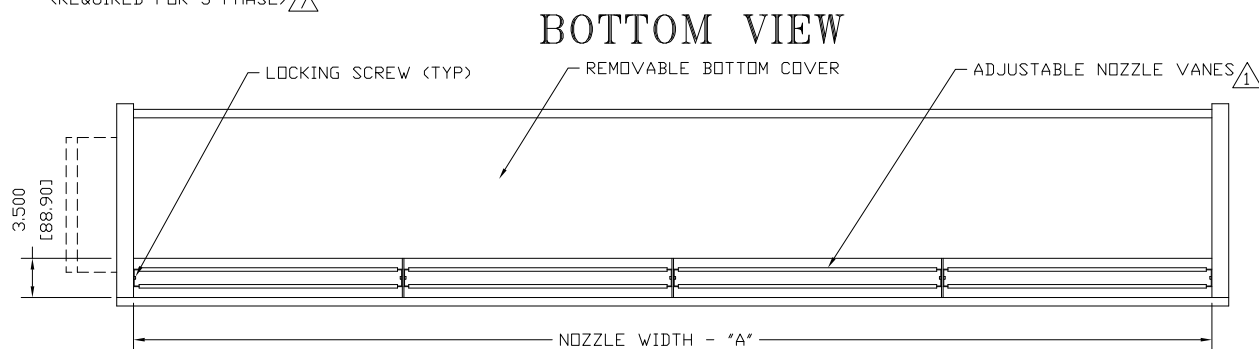
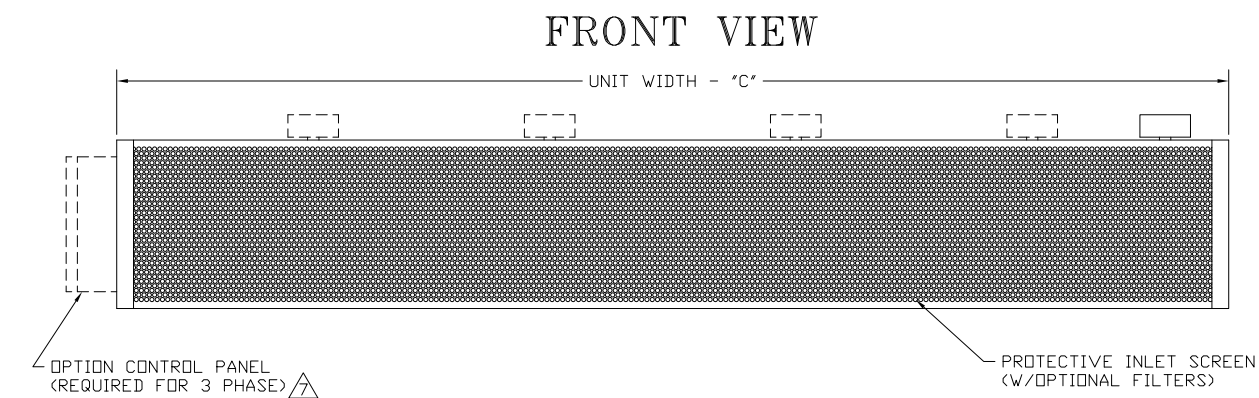
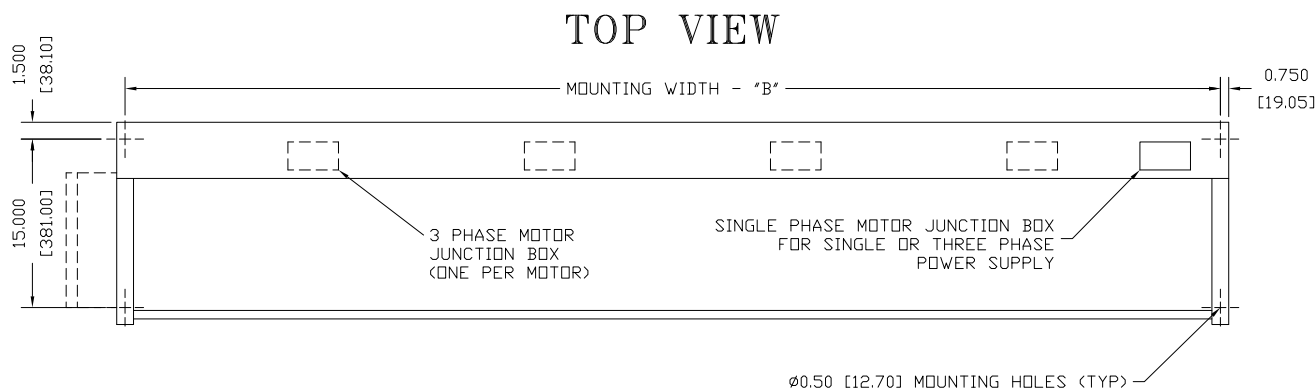
END VIEW



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 LETTER "A" IN MODEL NUMBER DESIGNATES, AMBIENT UNIT.
- 7 STANDARD CONTROL PANEL LEFT HAND MOUNT, OPTIONAL RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- 8 DIMENSIONS IN INCHES (MILLIMETERS).

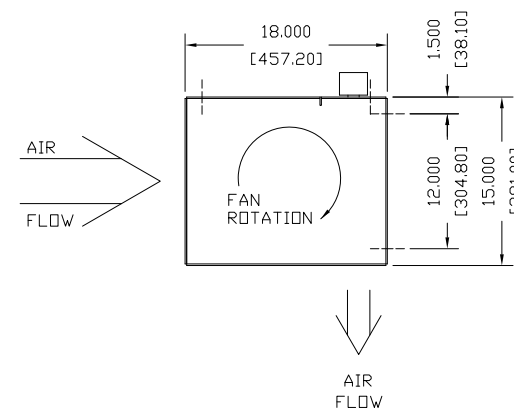
PROJECT			
LOCATION			
ARCHITECT			
ENGINEER			REV. B
DWG. NO.	IDC14-AMB1	TITLE:	BERNER
DATE	23JUN2025		MODEL IDC14 AIR CURTAIN AMBIENT SYSTEM
BY	S. Beil		
REPLACES	11DEC2024		
BY	S. Beil		BERNER INTERNATIONAL CORP. NEW CASTLE, PA.



MODEL ⚠	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
IDC14-4156A	156.00 [3962]	157.50 [4001]	159.00 [4039]
IDC14-4168A	168.00 [4267]	169.50 [4305]	171.00 [4343]
IDC14-4180A/5180A	180.00 [4572]	181.50 [4610]	183.00 [4648]
IDC14-4192A/5192A	192.00 [4877]	193.50 [4915]	195.00 [4953]

IDC14 AMBIENT SYSTEM

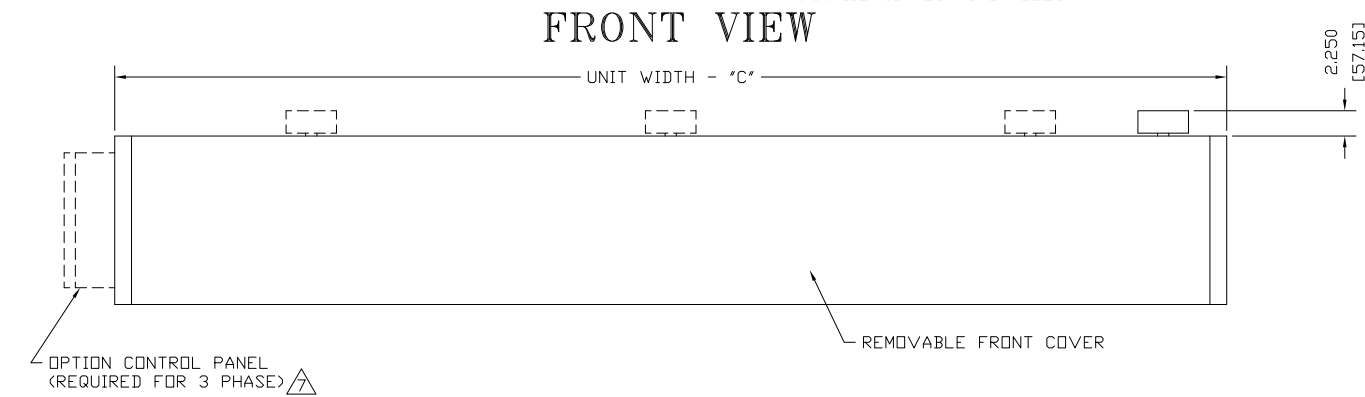
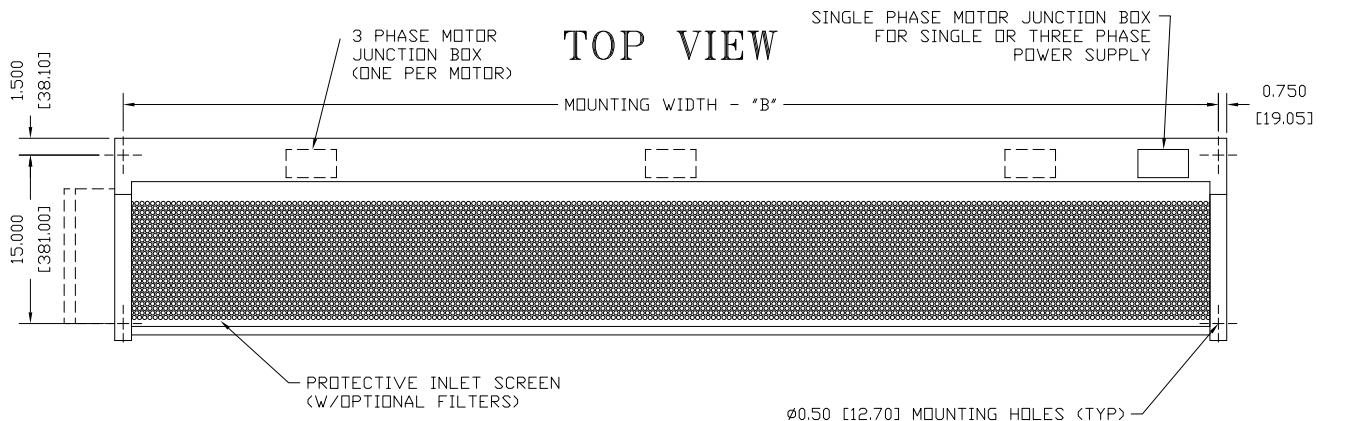
END VIEW



NOTES:

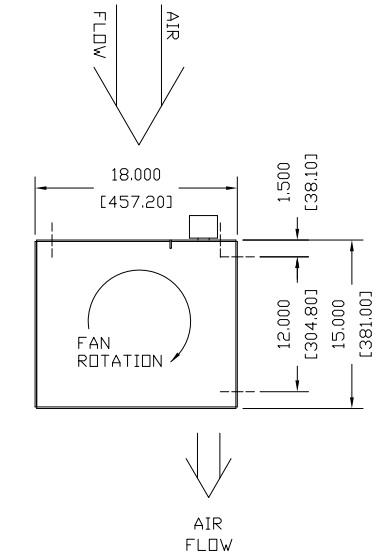
- ⚠ AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF C.
- ⚠ ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- ⚠ FIELD VERIFY DIMENSIONS.
- ⚠ ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- ⚠ ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- ⚠ LETTER "A" IN MODEL NUMBER DESIGNATES, AMBIENT UNIT.
- ⚠ STANDARD CONTROL PANEL LEFT HAND MOUNT, OPTIONAL RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- ⚠ DIMENSIONS IN INCHES (MILLIMETERS).

PROJECT		
LOCATION		
ARCHITECT		
ENGINEER		REV. B
DWG. NO.	IDC14-AMB2	TITLE: BERNER
DATE	23JUN2025	MODEL IDC14 AIR CURTAIN AMBIENT SYSTEM
BY	S. Beil	
REPLACES	11DEC2024	
BY	S. Beil	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.



IDC14 AMBIENT SYSTEM TOP INTAKE

END VIEW

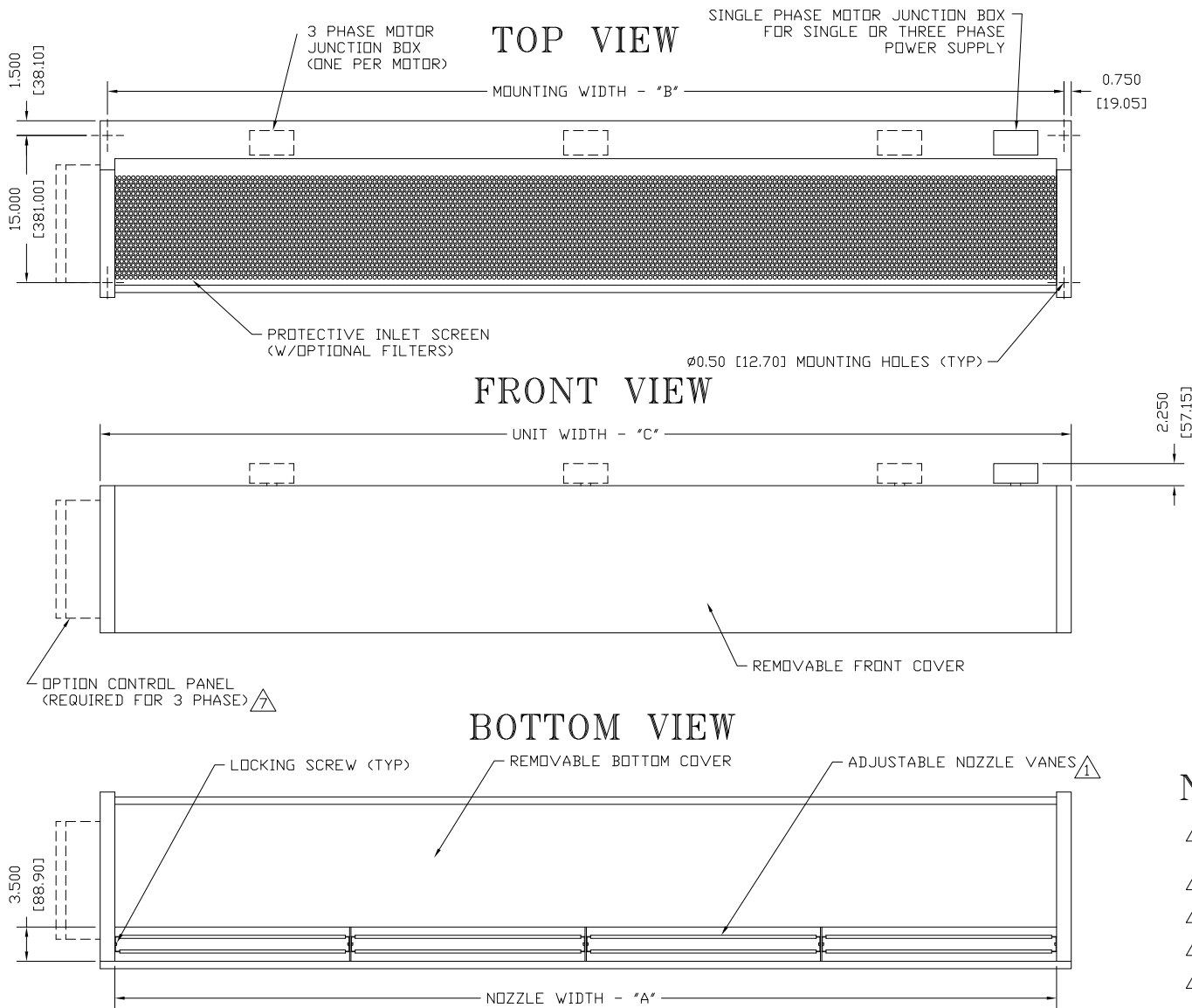


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- ⑧ DIMENSIONS IN INCHES (MILLIMETERS).

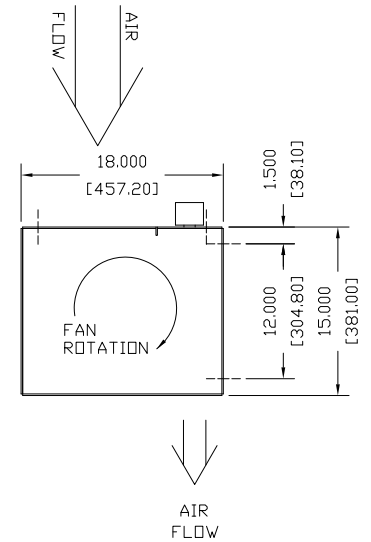
MODEL ⚠	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
IDC14-1036A	36.00 [914]	37.50 [953]	39.00 [991]
IDC14-1042A	42.00 [1067]	43.50 [1104]	45.00 [1143]
IDC14-1048A	48.00 [1219]	49.50 [1257]	51.00 [1295]
IDC14-2060A	66.00 [1676]	67.50 [1715]	69.00 [1753]
IDC14-2072A	72.00 [1829]	73.50 [1867]	75.00 [1905]
IDC14-2078A	78.00 [1921]	79.50 [2019]	81.00 [2057]
IDC14-2084A	84.00 [2134]	85.50 [2172]	87.00 [2210]
IDC14-2096A/3096A	99.00 [2515]	100.50 [2553]	102.00 [2591]
IDC14-3108A	108.00 [2743]	109.50 [2781]	111.00 [2819]
IDC14-3120A	117.00 [2972]	118.50 [3010]	120.00 [3048]
IDC14-3132A	132.00 [3353]	133.50 [3391]	135.00 [3429]
IDC14-3144A/4144A	144.00 [3658]	145.50 [3696]	147.00 [3734]

PROJECT			
LOCATION			
ARCHITECT			
ENGINEER			REV. B
DWG. NO.	IDC14-AMB3	TITLE:	BERNER
DATE	23JUN2025	MODEL IDC14 AIR CURTAIN AMBIENT SYSTEM	
BY	S. Beil		
REPLACES	11DEC2024		
BY	S. Beil	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.	



IDC 14 AMBIENT SYSTEM TOP INTAKE

END VIEW



NOTES:

- ① AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF C.
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IDC14-4180A/5180A	180.00 [4572]	181.50 [4610]	183.00 [4648]
IDC14-4192A/5192A	192.00 [4877]	193.50 [4915]	195.00 [4953]

PROJECT			
LOCATION			
ARCHITECT			
ENGINEER			REV. B
DWG. NO.	IDC14-AMB4	TITLE:	BERNER
DATE	23JUN2025		MODEL IDC14 AIR CURTAIN AMBIENT SYSTEM
BY	S. Beil		
REPLACES	11DEC2024		
BY	S. Beil		BERNER INTERNATIONAL CORP. NEW CASTLE, PA.