



INDUSTRIAL DIRECT DRIVE 12

Electric Heated Air Curtain

Data Sheet

For Mounting Heights To 12' (environmental separation)

STANDARD CONSTRUCTION

- ½ hp single speed motor(s) - direct drive (Optional: three-speed)
- Factory mounted control panel
- 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
- Patented venturi open helical element with point suspension
 - Thermal overload protection
 - Aluminized steel frame
- Alternate kW: see sheet EP-402

2 Year
Limited
Warranty



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	Max Electric Capacity (kW)	Heater Output (MBH)	Air Temp. Rise (°F)	Net Wt. (lbs)
IDC12-1036E	36.00	5,166	1,728	1,512	87%	0.51	1 @ 1/2	14.0	47.8	29°	106
IDC12-1042E	42.00	5,550	1,551	1,583	89%	0.52	1 @ 1/2	14.0	47.8	28°	112
IDC12-1048E	48.00	5,292	1,366	1,594	78%	0.53	1 @ 1/2	14.0	47.8	28°	117
IDC12-2060E	66.00	4,781	2,010	2,931	85%	0.99	2 @ 1/2	28.0	95.6	30°	181
IDC12-2072E	72.00	5,166	1,728	3,024	87%	1.02	2 @ 1/2	28.0	95.6	29°	190
IDC12-2078E	78.00	5,166	1,633	3,095	87%	1.03	2 @ 1/2	28.0	95.6	28°	196
IDC12-2084E	84.00	5,550	1,551	3,166	89%	1.04	2 @ 1/2	28.0	95.6	28°	201
IDC12-2096E	99.00	5,292	1,366	3,188	78%	1.06	2 @ 1/2	28.0	95.6	28°	211
IDC12-3096E	99.00	4,781	1,846	4,443	85%	1.50	3 @ 1/2	42.0	143.3	30°	258
IDC12-3108E	108.00	5,166	1,728	4,536	87%	1.53	3 @ 1/2	42.0	143.3	29°	301
IDC12-3120E	117.00	5,166	1,604	4,678	87%	1.55	3 @ 1/2	42.0	143.3	28°	308
IDC12-3132E	132.00	5,292	1,484	4,760	78%	1.57	3 @ 1/2	42.0	143.3	28°	329
IDC12-3144E	144.00	5,292	1,366	4,782	78%	1.59	3 @ 1/2	42.0	143.3	28°	343
IDC12-4144E	144.00	5,166	1,728	6,048	87%	2.04	4 @ 1/2	56.0	191.1	29°	390
IDC12-4156E	156.00	5,166	1,633	6,190	87%	2.06	4 @ 1/2	56.0	191.1	28°	406
IDC12-4168E	168.00	5,550	1,551	6,332	89%	2.08	4 @ 1/2	56.0	191.1	28°	418
IDC12-4180E	180.00	5,292	1,452	6,354	78%	2.10	4 @ 1/2	56.0	191.1	28°	431
IDC12-5180E	180.00	5,166	1,728	7,560	87%	2.55	5 @ 1/2	70.0	238.9	29°	478
IDC12-4192E	192.00	5,292	1,366	6,376	78%	2.12	4 @ 1/2	56.0	191.1	28°	443
IDC12-5192E	192.00	5,292	1,635	7,631	78%	2.56	5 @ 1/2	70.0	238.9	29°	490

NOTES:

1. Operation at 50 Hz will generate approximately a 17% reduction in performance.
2. Performance data based on AMCA licensed data from unheated units.
3. Maximum leaving air temperature shall not exceed 120°F.
4. Consult factory for available models with 208/240/1 power supplies and vertically mounted units.

See sheet EP-402 for amp draws/total load requirements and alternate kW.

MODEL NUMBER CONFIGURATION IDC12-1 036 E X-140-F-SS

Series	# of Motors	Opening Width	Heat	Voltage	Standard kW	Intake	Opt. Cabinet Finish
IDC12	1, 2, 3, 4, 5	036" - 192"	E=Electric Heated	X=208/3/60 Y=240/3/60 Z=480/3/60 Q=600/3/60 O=380/3/50	14.0 - 70.0 (140 - 700)	T=Top F=Front	SS=Stainless Steel CC=Custom Color

See sheet EP-402
for alternate
kW code

Sound level measured 10' (3m) from the unit in free field:
1, 2, 3, 4 & 5 motor(s): 63, dBA, 66 dBA, 68 dBA, 69 dBA & 70 dBA

Berner reserves the right to alter specifications without prior notice.

www.berner.com **Berner International** 800.245.4455
111 Progress Ave. / New Castle / PA / 16101 / USA

DS-402
March, 2025



INDUSTRIAL DIRECT DRIVE 12

Electric Heated Air Curtain

Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	208/3/60 (voltage code X) MOTOR AMP DRAW = 3.5 each			240/3/60 (voltage code Y) MOTOR AMP DRAW = 3.5 each			480/3/60 (voltage code Z) MOTOR AMP DRAW = 1.4 each		
			# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT
IDC12-1036E IDC12-1042E IDC12-1048E	14 (140)	28	1	42.4	60	1	37.2	50	1	18.2	25
	12 (120)	24	1	36.8	50	1	32.4	45	1	15.8	20
	10 (100)	20	1	31.3	40	1	27.6	35	1	13.4	20
	8 (080)	16	1	25.7	35	1	22.7	30	1	11.0	15
	6 (060)	12	1	20.2	30	1	17.9	25	1	8.6	15
IDC12-2060E IDC12-2072E IDC12-2078E IDC12-2084E IDC12-2096E	28 (280)	28	2	45.9/38.9	60/50	2	40.7/33.7	50/45	1	36.5	50
	24 (240)	24	2	40.3/33.3	50/45	2	35.9/28.9	45/40	1	31.7	40
	20 (200)	20	2	34.8/27.8	45/35	2	31.1/24.1	40/35	1	26.9	35
	16 (160)	16	2	29.2/22.2	40/30	1	45.5	60	1	22.0	30
	12 (120)	12	1	40.3	50	1	35.9	50	1	17.2	25
IDC12-3096E IDC12-3108E IDC12-3120E IDC12-3132E IDC12-3144E	42 (420)	28	3	45.9/42.4/38.9	60/60/50	3	44.2/33.7/33.7	60/45/45	2	21.0/33.7	30/45
	36 (360)	24	3	43.8/33.3/33.3	60/45/45	3	39.4/36.1/36.1	50/40/40	1	47.5	60
	30 (300)	20	3	38.3/27.8/27.8	50/35/35	2	34.6/48.1	45/60	1	40.3	50
	24 (240)	16	2	32.7/44.4	40/60	2	29.7/38.5	40/50	1	33.1	45
	18 (180)	12	2	27.2/33.3	35/45	2	24.9/28.9	30/40	1	25.9	35
IDC12-4144E IDC12-4156E IDC12-4168E IDC12-4180E IDC12-4192E	56 (560)	28	4	45.9/45.9/38.9/38.9	60/60/50/50	4	40.7/40.7/33.7/33.7	50/50/45/45	2	39.3/33.7	50/45
	48 (480)	24	4	40.3/40.3/33.3/33.3	50/50/45/45	3	35.9/35.9/28.9/28.9	45/45/40/40	2	34.5/28.9	45/40
	40 (400)	20	4	34.8/34.8/27.8/27.8	45/45/35/35	3	31.1/31.1/48.1	40/40/60	2	29.7/24.1	40/35
	32 (320)	16	3	29.2/29.2/44.4	40/40/60	2	45.5/45.5	60/60	1	44.1	60
	24 (240)	12	2	47.3/33.3	60/45	2	42.9/28.9	60/40	1	34.5	45
IDC12-5180E IDC12-5192E	70 (700)	28	5	45.9/45.9/42.4/38.9/38.9	60/60/60/50/50	5	44.2/40.7/33.7/33.7/33.7	60/50/45/45/45	3	23.8/33.7/33.7	30/45/45
	60 (600)	24	5	47.3/36.8/33.3/33.3/33.3	60/50/45/45/45	5	46.4/28.9/28.9/28.9/28.9	60/40/40/40/40	2	35.9/43.3	45/60
	50 (500)	20	5	45.3/27.8/27.8/27.8/27.8	60/35/35/35/35	3	41.6/48.1/48.1	50/60/60	2	31.1/36.1	40/50
	40 (400)	16	3	39.7/44.4/44.4	50/60/60	3	36.7/38.5/38.5	45/50/50	2	26.2/28.9	35/40
	30 (300)	12	3	34.2/33.3/33.3	40/45/45	2	46.4/43.3	60/60	1	43.1	60

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EP-402
April, 2025

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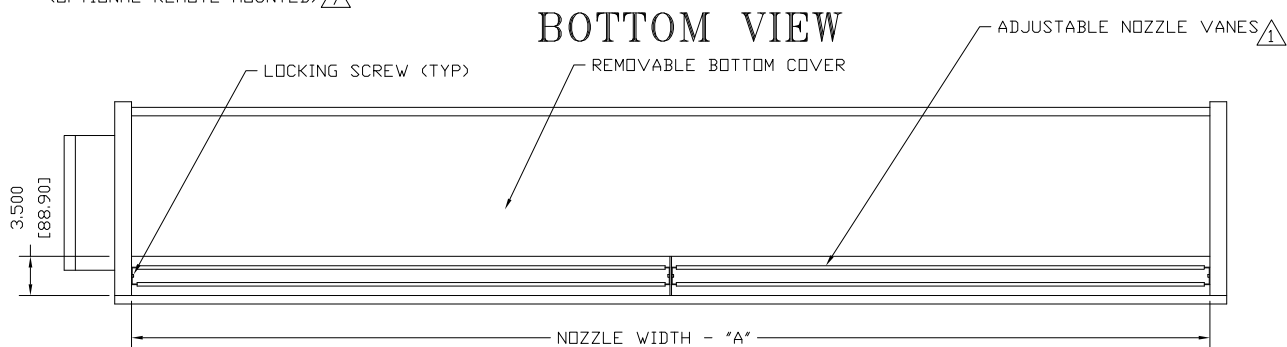
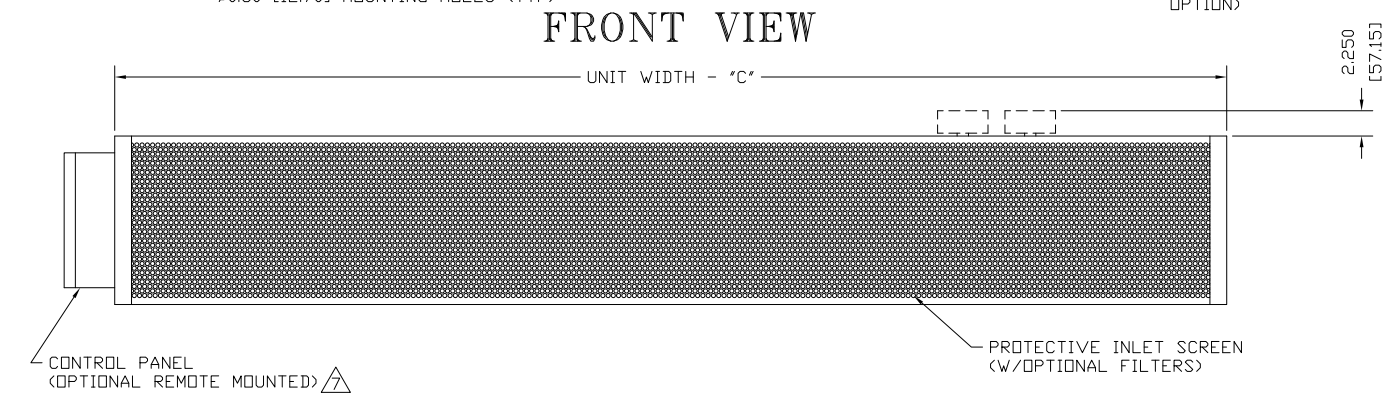
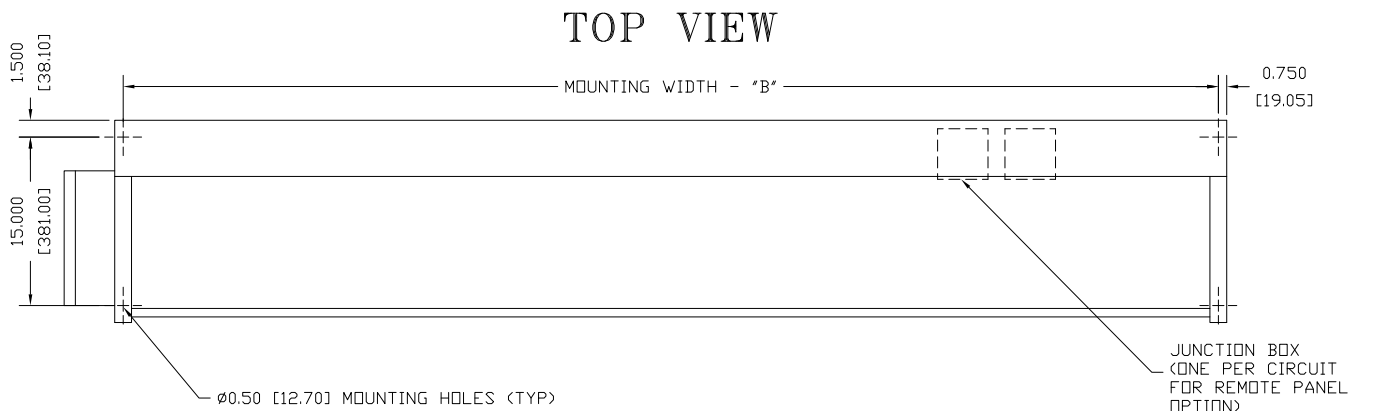
Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	600/3/60 (voltage code Q) MOTOR AMP DRAW = 1.0 each			380/3/50 (voltage code O) MOTOR AMP DRAW = 3.5 each		
			# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT
IDC12-1036E IDC12-1042E IDC12-1048E	14 (140)	28	1	14.5	20	1	24.8	35
	12 (120)	24	1	12.5	20	1	21.7	30
	10 (100)	20	1	10.6	15	1	18.7	25
	8 (080)	16	1	8.7	15	1	15.7	20
	6 (060)	12	1	6.8	15	1	12.6	20
IDC12-2060E IDC12-2072E IDC12-2078E IDC12-2084E IDC12-2096E	28 (280)	28	1	28.9	40	2	28.3/21.3	35/30
	24 (240)	24	1	25.1	35	1	43.5	60
	20 (200)	20	1	21.2	30	1	37.4	50
	16 (160)	16	1	17.4	25	1	31.3	40
	12 (120)	12	1	13.5	20	1	25.2	35
IDC12-3096E IDC12-3108E IDC12-3120E IDC12-3132E IDC12-3144E	42 (420)	28	1	43.4	60	2	31.8/42.5	40/60
	36 (360)	24	1	37.6	50	2	28.7/36.5	35/50
	30 (300)	20	1	31.9	40	2	25.7/30.4	35/40
	24 (240)	16	1	26.1	35	1	47.0	60
	18 (180)	12	1	20.3	25	1	37.8	50
IDC12-4144E IDC12-4156E IDC12-4168E IDC12-4180E IDC12-4192E	56 (560)	28	2	30.9/26.9	40/35	3	35.3/42.5/21.3	45/60/30
	48 (480)	24	2	27.1/23.1	35/30	3	32.2/36.5/18.2	40/50/25
	40 (400)	20	1	42.5	60	2	44.4/30.4	60/40
	32 (320)	16	1	34.8	45	2	38.3/24.3	50/35
	24 (240)	12	1	27.1	35	2	41.3/9.1	50/15
IDC12-5180E IDC12-5192E	70 (700)	28	2	31.9/40.4	40/60	3	38.8/42.5/42.5	45/60/60
	60 (600)	24	2	28.1/34.6	35/45	3	35.7/36.5/36.5	45/50/50
	50 (500)	20	2	24.2/28.9	30/40	2	47.9/45.6	60/60
	40 (400)	16	1	43.5	60	2	41.8/36.5	50/50
	30 (300)	12	1	33.9	45	2	44.8/18.2	60/25

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April, 2025

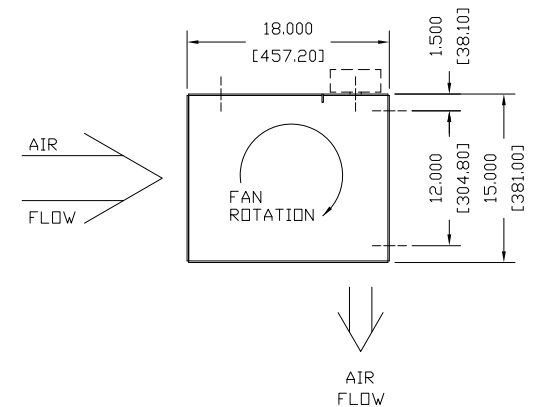


MODEL ⚠	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
IDC12-1036E	36.00 [914]	37.50 [953]	39.00 [991]
IDC12-1042E	42.00 [1067]	43.50 [1104]	45.00 [1143]
IDC12-1048E	48.00 [1219]	49.50 [1257]	51.00 [1295]
IDC12-2060E	66.00 [1676]	67.50 [1715]	69.00 [1753]
IDC12-2072E	72.00 [1829]	73.50 [1867]	75.00 [1905]
IDC12-2078E	78.00 [1921]	79.50 [2019]	81.00 [2057]
IDC12-2084E	84.00 [2134]	85.50 [2172]	87.00 [2210]
IDC12-2096E/3096E	99.00 [2515]	100.50 [2553]	102.00 [2591]
IDC12-3108E	108.00 [2743]	109.50 [2781]	111.00 [2819]
IDC12-3120E	117.00 [2972]	118.50 [3010]	120.00 [3048]
IDC12-3132E	132.00 [3353]	133.50 [3391]	135.00 [3429]
IDC12-3144E/4144E	144.00 [3658]	145.50 [3696]	147.00 [3734]

IDC12

ELECTRIC HEATED

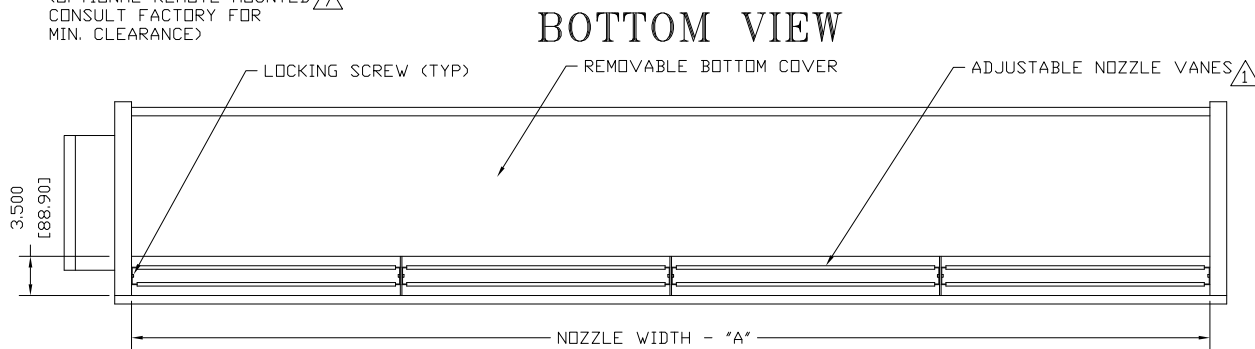
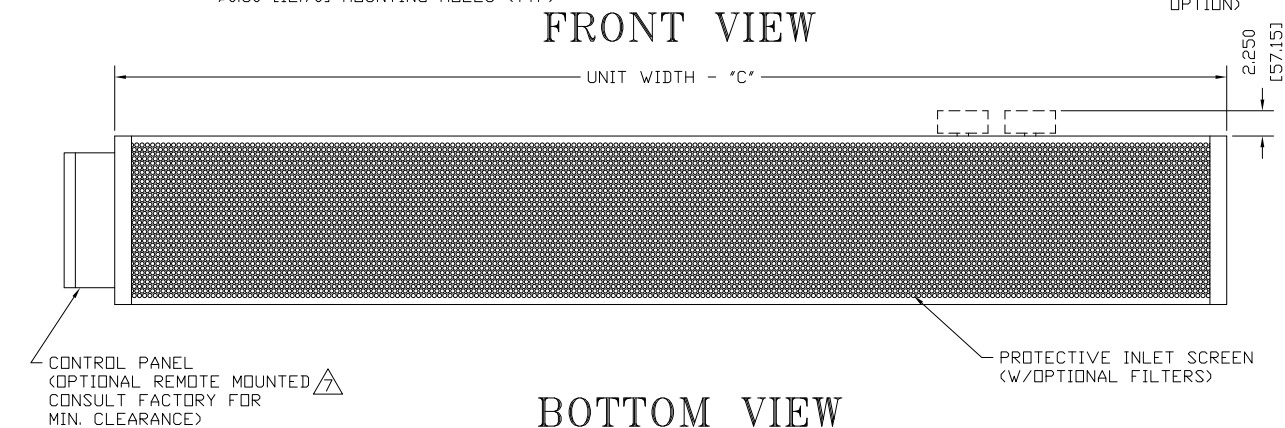
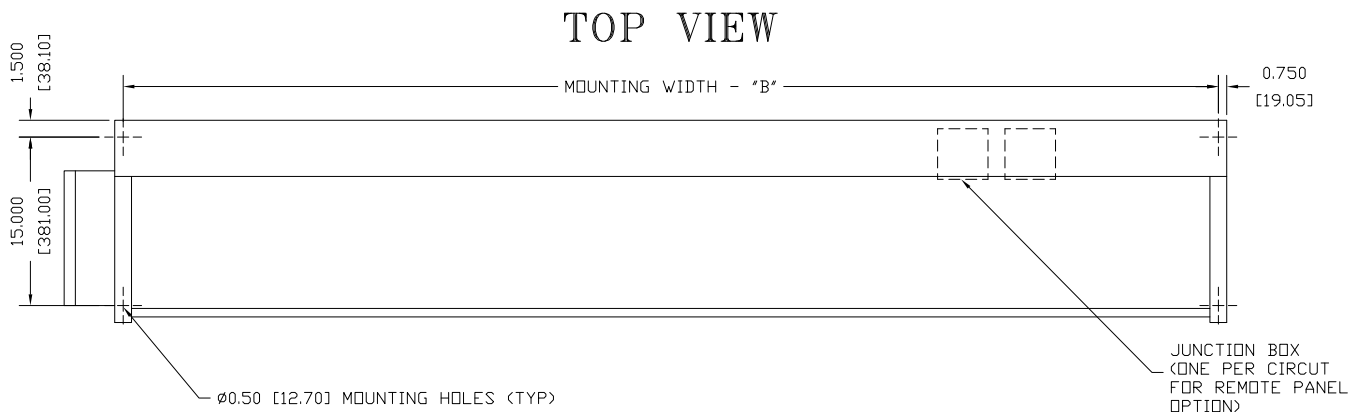
END VIEW



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 "E" IN MODEL NUMBER DESIGNATES, ELECTRIC HEATED UNIT.
- 7 STANDARD CONTROL PANEL LEFT HAND MOUNT, OPTIONAL RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- 8 DIMENSIONS IN INCHES [MILLIMETERS].

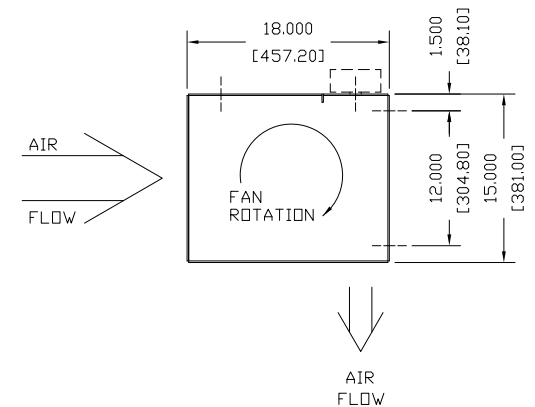
PROJECT			
LOCATION			
ARCHITECT			
ENGINEER			REV. B
DWG. NO.	IDC12-ELE1	TITLE:	BERNER
DATE	23JUN2025		MODEL IDC12 AIR CURTAIN ELECTRIC HEATED SYSTEM
BY	S. Beil		
REPLACES	11DEC2024		
BY	S. Beil		BERNER INTERNATIONAL CORP. NEW CASTLE, PA.



MODEL 6	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
IDC12-4156E	156.00 [3962]	157.50 [4001]	159.00 [4039]
IDC12-4168E	168.00 [4267]	169.50 [4305]	171.00 [4343]
IDC12-4180E/5180E	180.00 [4572]	181.50 [4610]	183.00 [4648]
IDC12-4192E/5192E	192.00 [4877]	193.50 [4915]	195.00 [4953]

IDC12 ELECTRIC HEATED

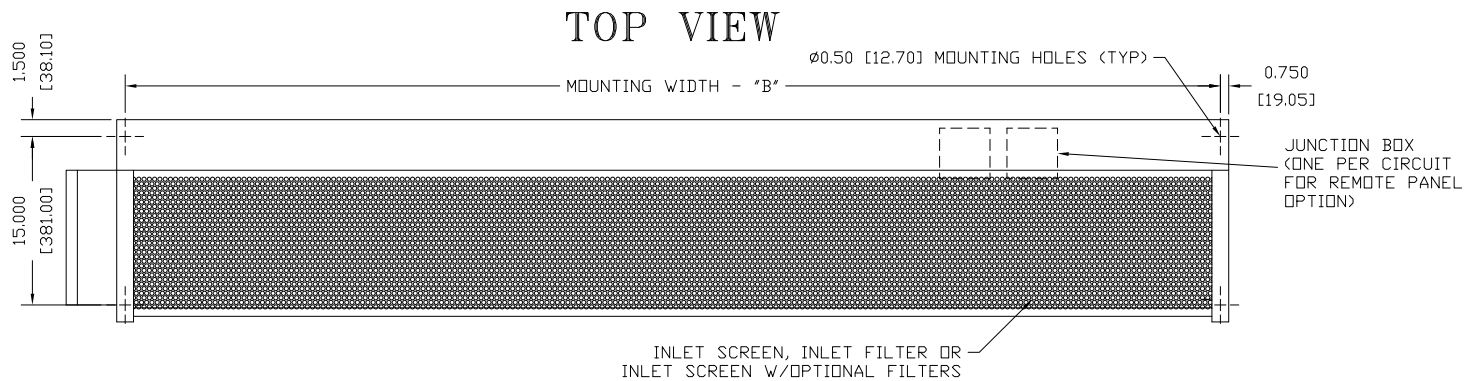
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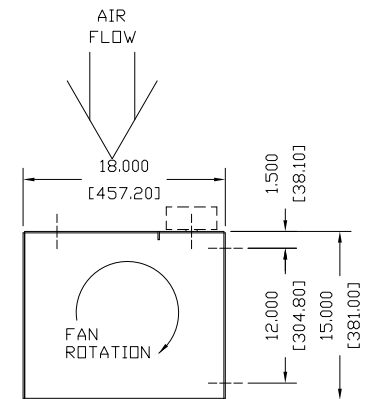
- 1 AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF C.
- 2 ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- 3 FIELD VERIFY DIMENSIONS.
- 4 ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- 5 ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- 6 LETTER "E" IN MODEL NUMBER DESIGNATES, ELECTRIC HEATED 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.	IDC12-ELE2	TITLE: BERNER
DATE	23JUN2025	MODEL IDC12 AIR CURTAIN ELECTRIC HEATED SYSTEM
BY	S. Beil	
REPLACES	11DEC2024	
BY	S. Beil	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.

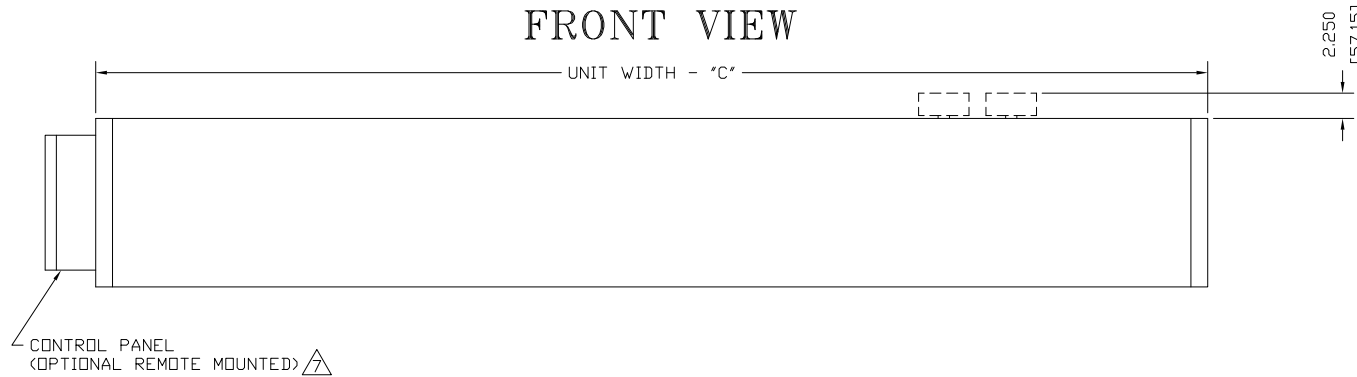


IDC12 ELECTRIC HEATED TOP INTAKE

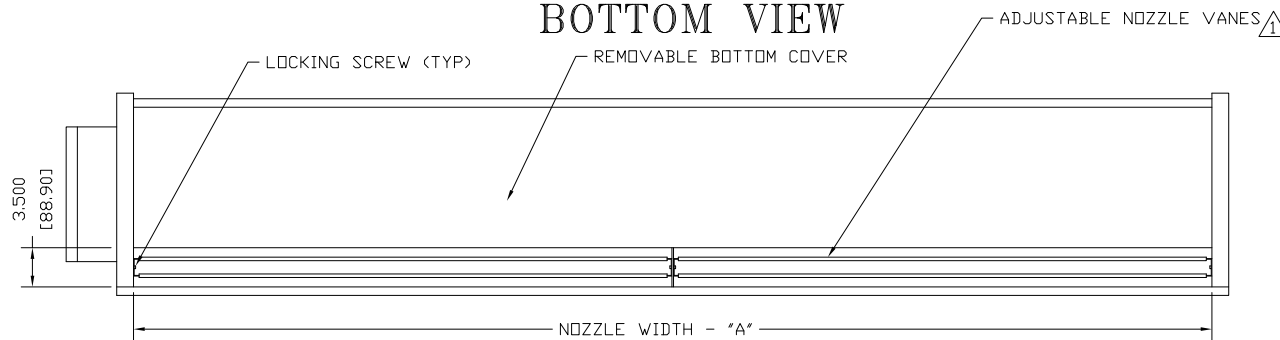
END VIEW



FRONT VIEW



BOTTOM VIEW

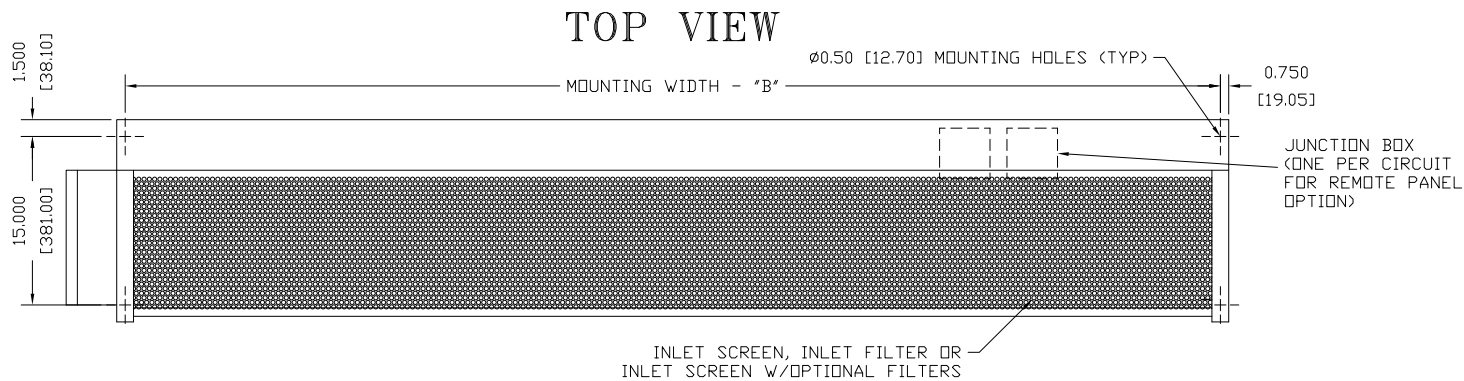


NOTES:

- ⚠ AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF Q.
- ⚠ 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 "E" IN MODEL NUMBER DESIGNATES, ELECTRIC HEATED UNIT.
- ⚠ STANDARD CONTROL PANEL LEFT HAND MOUNT, OPTIONAL RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- ⚠ DIMENSIONS IN INCHES [MILLIMETERS].

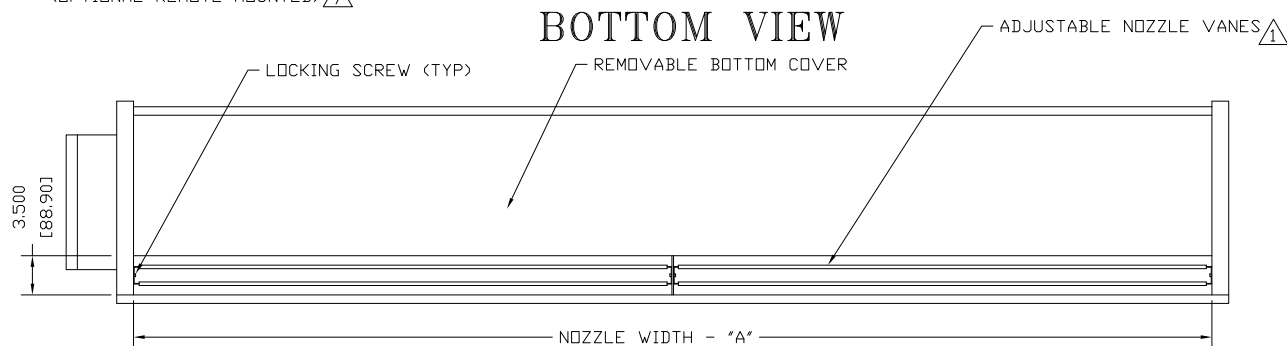
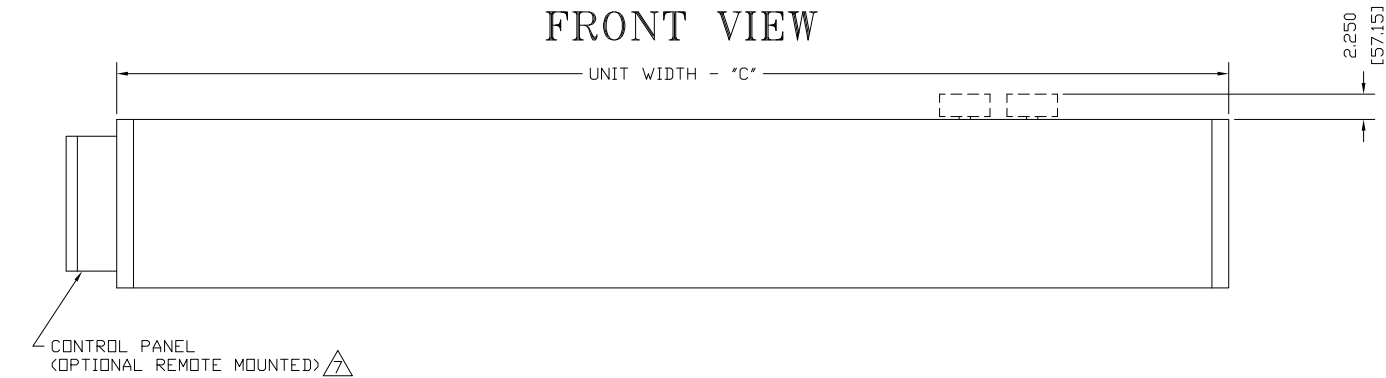
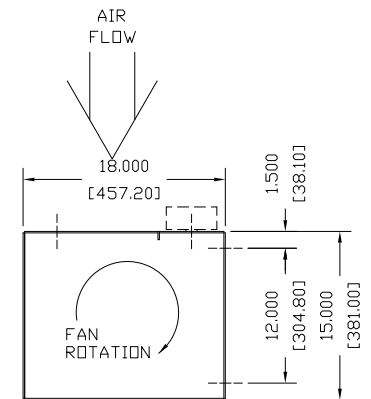
MODEL ⚠	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
IDC12-1036E	36.00 [914]	37.50 [953]	39.00 [991]
IDC12-1042E	42.00 [1067]	43.50 [1104]	45.00 [1143]
IDC12-1048E	48.00 [1219]	49.50 [1257]	51.00 [1295]
IDC12-2060E	66.00 [1676]	67.50 [1715]	69.00 [1753]
IDC12-2072E	72.00 [1829]	73.50 [1867]	75.00 [1905]
IDC12-2078E	78.00 [1921]	79.50 [2019]	81.00 [2057]
IDC12-2084E	84.00 [2134]	85.50 [2172]	87.00 [2210]
IDC12-2096E/3096E	99.00 [2515]	100.50 [2553]	102.00 [2591]
IDC12-3108E	108.00 [2743]	109.50 [2781]	111.00 [2819]
IDC12-3120E	117.00 [2972]	118.50 [3010]	120.00 [3048]
IDC12-3132E	132.00 [3353]	133.50 [3391]	135.00 [3429]
IDC12-3144E/4144E	144.00 [3658]	145.50 [3696]	147.00 [3734]

PROJECT			
LOCATION			
ARCHITECT			
ENGINEER			REV. B
DWG. NO.	IDC12-ELE3	TITLE:	BERNER
DATE	23JUN2025		MODEL IDC12 AIR CURTAIN
BY	S. Beil		TOP INTAKE - ELECTRIC HEATED SYSTEM
REPLACES	11DEC2024		
BY	S. Beil		BERNER INTERNATIONAL CORP. NEW CASTLE, PA.



IDC12 ELECTRIC HEATED TOP INTAKE

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 "E" IN MODEL NUMBER DESIGNATES, ELECTRIC HEATED UNIT.
- ⚠ STANDARD CONTROL PANEL LEFT HAND MOUNT, OPTIONAL RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- ⚠ DIMENSIONS IN INCHES [MILLIMETERS].

MODEL ⚠	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
IDC12-4156E	156.00 [3962]	157.50 [4001]	159.00 [4039]
IDC12-4168E	168.00 [4267]	169.50 [4305]	171.00 [4343]
IDC12-4180E/5180E	180.00 [4572]	181.50 [4610]	183.00 [4648]
IDC12-4192E/5192E	192.00 [4877]	193.50 [4915]	195.00 [4953]

PROJECT			
LOCATION			
ARCHITECT			
ENGINEER			REV. B
DWG. NO.	IDC12-ELE4	TITLE:	BERNER
DATE	23JUN2025		MODEL IDC12 AIR CURTAIN
BY	S. Beil		TOP INTAKE - ELECTRIC HEATED SYSTEM
REPLACES	11DEC2024		
BY	S. Beil		BERNER INTERNATIONAL CORP. NEW CASTLE, PA.