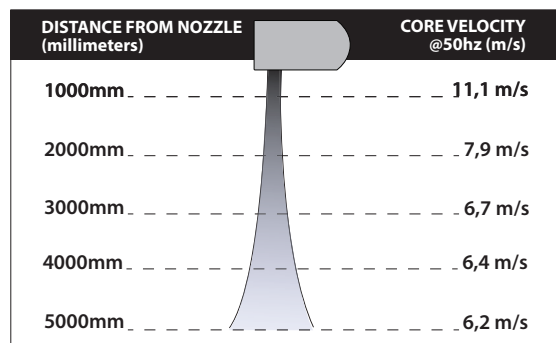




Velocity testing shown above was obtained in accordance with ISO27327-1, but is not AMCA certified.

5 Year  
Limited  
Warranty



| MODEL       | Nozzle Width (mm) | Max Vel. at Nozzle (m/s) | Avg. Outlet Vel. (m/s) | Air Volume (m³/hr) | Outlet Vel. Uniformity | Power Rating (kW) | Total Motor (kW) | Total AC Motor Amperage (A) | Net Wt. (kg) |
|-------------|-------------------|--------------------------|------------------------|--------------------|------------------------|-------------------|------------------|-----------------------------|--------------|
| IDC12-1036A | 914               | 21,9                     | 7,3                    | 2141               | 87%                    | 0,4               | 0,4              | 3,5                         | 45           |
| IDC12-1042A | 1067              | 23,5                     | 6,6                    | 2241               | 89%                    | 0,4               | 0,4              | 3,5                         | 48           |
| IDC12-1048A | 1219              | 22,4                     | 5,8                    | 2257               | 78%                    | 0,4               | 0,4              | 3,5                         | 50           |
| IDC12-2060A | 1676              | 20,2                     | 7,7                    | 4150               | 85%                    | 0,8               | 0,7              | 7,0                         | 77           |
| IDC12-2072A | 1829              | 21,9                     | 7,3                    | 4281               | 87%                    | 0,8               | 0,7              | 7,0                         | 81           |
| IDC12-2078A | 1981              | 21,9                     | 6,9                    | 4382               | 87%                    | 0,9               | 0,7              | 7,0                         | 83           |
| IDC12-2084A | 2134              | 23,5                     | 6,6                    | 4482               | 89%                    | 0,9               | 0,7              | 7,0                         | 86           |
| IDC12-2096A | 2515              | 22,4                     | 5,6                    | 4514               | 78%                    | 0,9               | 0,7              | 7,0                         | 90           |
| IDC12-3096A | 2515              | 20,2                     | 7,8                    | 6290               | 85%                    | 1,2               | 1,1              | 10,5                        | 109          |
| IDC12-3108A | 2743              | 21,9                     | 7,3                    | 6422               | 87%                    | 1,3               | 1,1              | 10,5                        | 128          |
| IDC12-3120A | 2972              | 21,9                     | 7,0                    | 6623               | 87%                    | 1,3               | 1,1              | 10,5                        | 132          |
| IDC12-3132A | 3353              | 22,4                     | 6,3                    | 6739               | 78%                    | 1,3               | 1,1              | 10,5                        | 141          |
| IDC12-3144A | 3658              | 22,4                     | 5,8                    | 6770               | 78%                    | 1,3               | 1,1              | 10,5                        | 147          |
| IDC12-4144A | 3658              | 21,9                     | 7,3                    | 8563               | 87%                    | 1,7               | 1,5              | 14,0                        | 166          |
| IDC12-4156A | 3962              | 21,9                     | 6,9                    | 8764               | 87%                    | 1,7               | 1,5              | 14,0                        | 173          |
| IDC12-4168A | 4267              | 23,5                     | 6,6                    | 8965               | 89%                    | 1,7               | 1,5              | 14,0                        | 179          |
| IDC12-4180A | 4572              | 22,4                     | 6,1                    | 8996               | 78%                    | 1,7               | 1,5              | 14,0                        | 185          |
| IDC12-5180A | 4572              | 21,9                     | 7,3                    | 10703              | 87%                    | 2,1               | 1,9              | 17,5                        | 203          |
| IDC12-4192A | 4877              | 22,4                     | 5,8                    | 9027               | 78%                    | 1,8               | 1,5              | 14,0                        | 190          |
| IDC12-5192A | 4877              | 22,4                     | 6,9                    | 10804              | 78%                    | 2,1               | 1,9              | 17,5                        | 209          |

## MODEL NUMBER CONFIGURATION

### IDC12-1 036 A V-F-SS

| Series | # of Motors   | Opening Width                | Heat      | Voltage                      | Intake           | Opt. Cabinet Finish                   |
|--------|---------------|------------------------------|-----------|------------------------------|------------------|---------------------------------------|
| IDC12  | 1, 2, 3, 4, 5 | 036" - 192"<br>(914- 4877mm) | A=Ambient | AC motors only<br>V=230/1/50 | T=Top<br>F=Front | SS=Stainless Steel<br>CC=Custom Color |

for Standard offering, leave options (Opt.) blank

#### STANDARD CONSTRUCTION

- 0,37 kW AC two speed motor(s) - direct drive
- Touchscreen interface with Intelliswitch™ digital controller, includes Berner AIR® BASIC (smart control)
- Gray powder coated exterior with mill aluminum screen and access panels
- Wall & Top Mounting
- Front air intake (Optional: top)
- High efficiency Pro-V Nozzle

#### OPTIONS

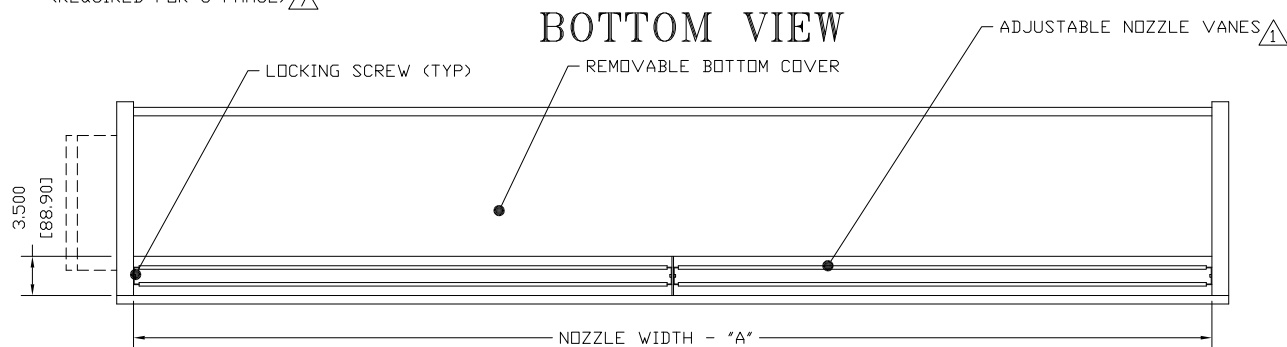
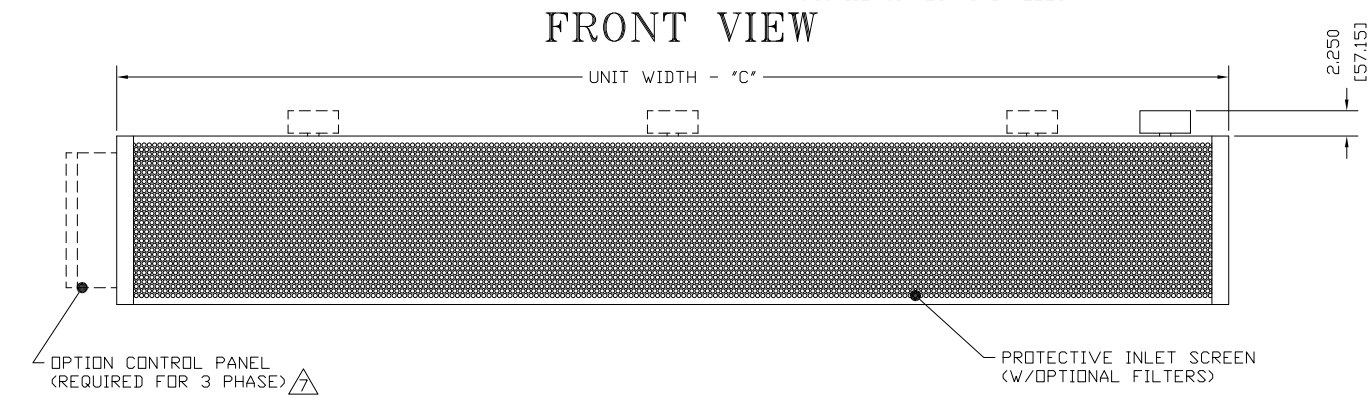
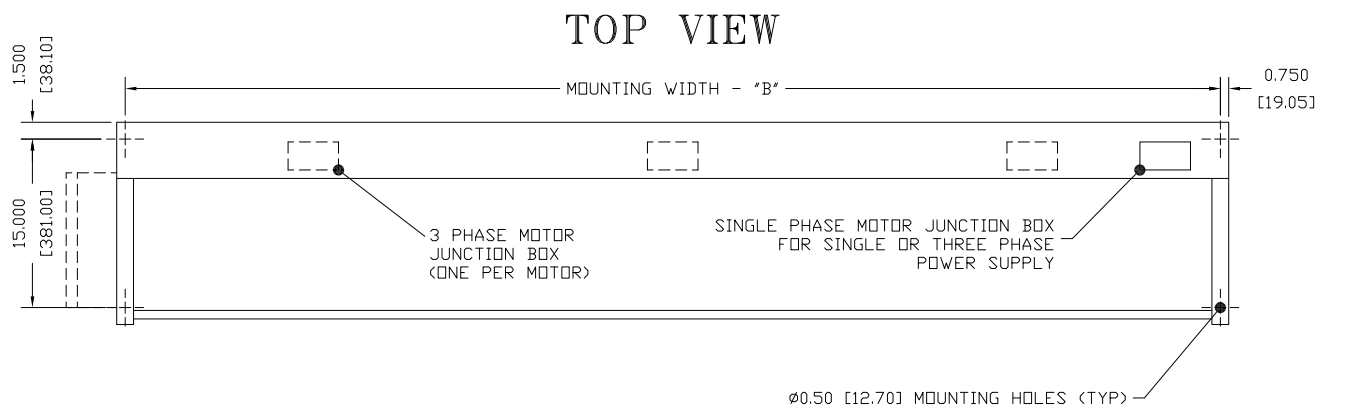
- Custom Color or Stainless
- Berner AIR® BMS (smart control with BACnet and Modbus capabilities)

| VELOCITY PROJECTION: Model IDC12-1036A |      |      |      |
|----------------------------------------|------|------|------|
| Distance from Nozzle (mm)              | 1000 | 2000 | 3000 |
| Core Velocity (m/s)                    | 11,1 | 7,9  | 6,7  |
| Uniformity (%)                         | 89%  | 93%  | 92%  |

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

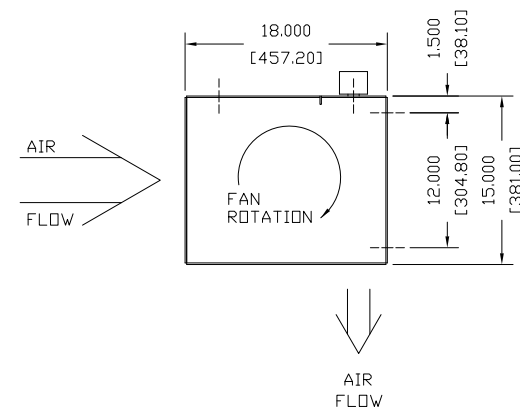
Berner reserves the right to alter specifications without prior notice.



| MODEL <sup>△6</sup> | NOZZLE WIDTH<br>"A" | MOUNTING WIDTH<br>"B" | UNIT WIDTH<br>"C" |
|---------------------|---------------------|-----------------------|-------------------|
| IDC12-1036A         | 36.00 [914]         | 37.50 [953]           | 39.00 [991]       |
| IDC12-1042A         | 42.00 [1067]        | 43.50 [1104]          | 45.00 [1143]      |
| IDC12-1048A         | 48.00 [1219]        | 49.50 [1257]          | 51.00 [1295]      |
| IDC12-2060A         | 66.00 [1676]        | 67.50 [1715]          | 69.00 [1753]      |
| IDC12-2072A         | 72.00 [1829]        | 73.50 [1867]          | 75.00 [1905]      |
| IDC12-2078A         | 78.00 [1921]        | 79.50 [2019]          | 81.00 [2057]      |
| IDC12-2084A         | 84.00 [2134]        | 85.50 [2172]          | 87.00 [2210]      |
| IDC12-2096A/3096A   | 99.00 [2515]        | 100.50 [2553]         | 102.00 [2591]     |
| IDC12-3108A         | 108.00 [2743]       | 109.50 [2781]         | 111.00 [2819]     |
| IDC12-3120A         | 117.00 [2972]       | 118.50 [3010]         | 120.00 [3048]     |
| IDC12-3132A         | 132.00 [3353]       | 133.50 [3391]         | 135.00 [3429]     |
| IDC12-3144A/4144A   | 144.00 [3658]       | 145.50 [3696]         | 147.00 [3734]     |

# IDC12 AMBIENT SYSTEM

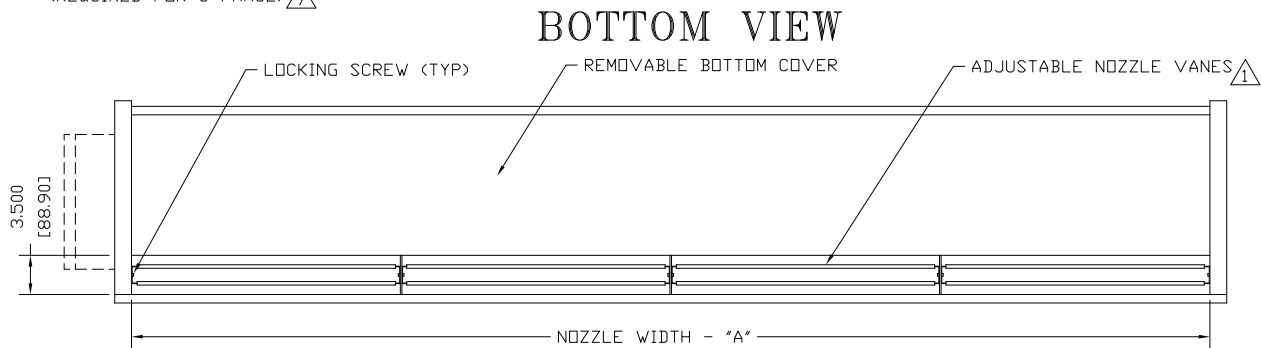
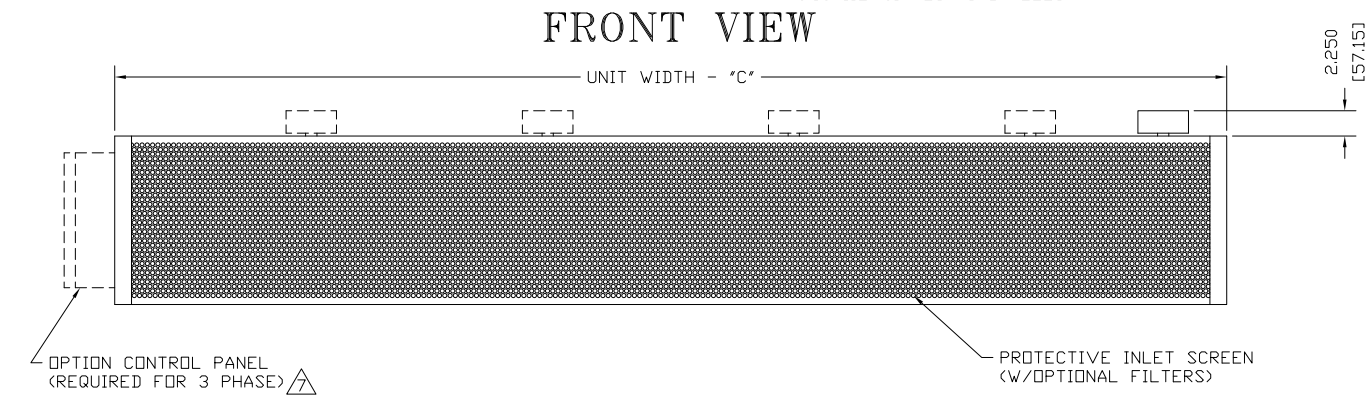
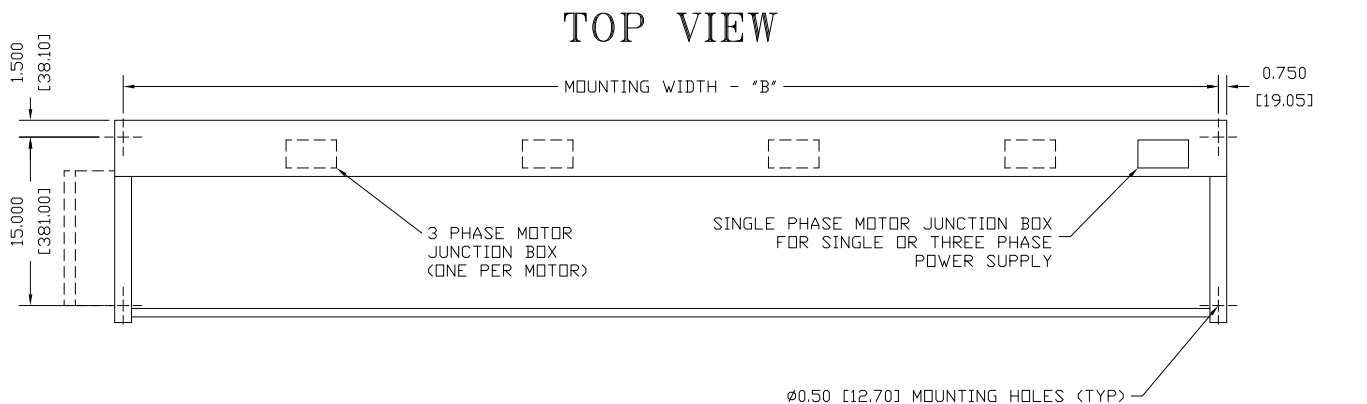
## END VIEW



## NOTES:

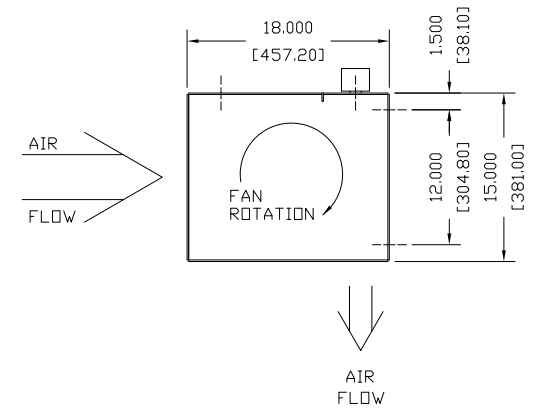
- <sup>△1</sup> AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF C.
- <sup>△2</sup> ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- <sup>△3</sup> FIELD VERIFY DIMENSIONS.
- <sup>△4</sup> ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- <sup>△5</sup> ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- <sup>△6</sup> LETTER "A" IN MODEL NUMBER DESIGNATES, AMBIENT UNIT.
- <sup>△7</sup> STANDARD CONTROL PANEL LEFT HAND MOUNT, OPTIONAL RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- <sup>△8</sup> DIMENSIONS IN INCHES [MILLIMETERS].

|           |            |        |                                               |
|-----------|------------|--------|-----------------------------------------------|
| PROJECT   |            |        |                                               |
| LOCATION  |            |        |                                               |
| ARCHITECT |            |        |                                               |
| ENGINEER  |            |        | REV. B                                        |
| DWG. NO.  | IDC12-AMB1 | TITLE: | <b>BERNER</b>                                 |
| DATE      | 23JUN2025  |        | MODEL IDC12 AIR CURTAIN<br>AMBIENT SYSTEM     |
| BY        | S. Beil    |        |                                               |
| REPLACES  | 11DEC2024  |        |                                               |
| BY        | S. Beil    |        | BERNER INTERNATIONAL CORP.<br>NEW CASTLE, PA. |



# IDC12 AMBIENT SYSTEM

## END VIEW



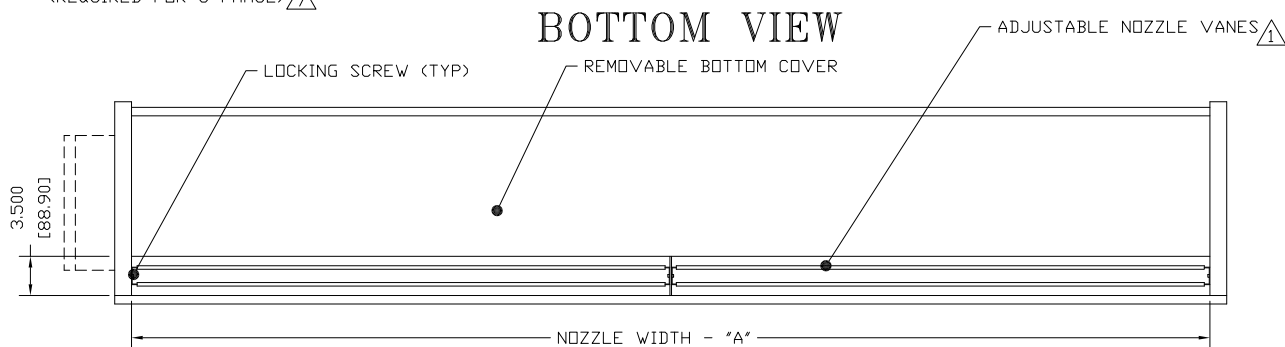
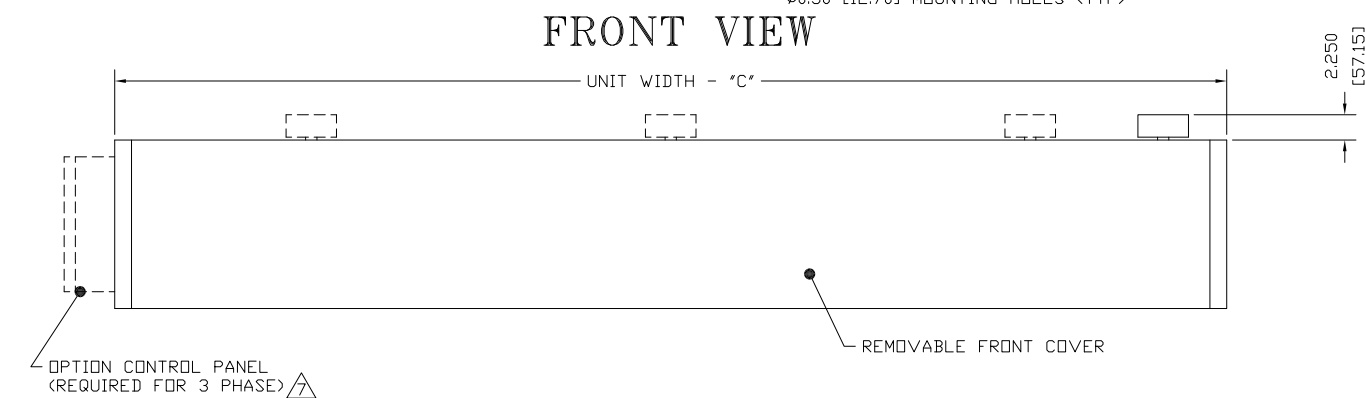
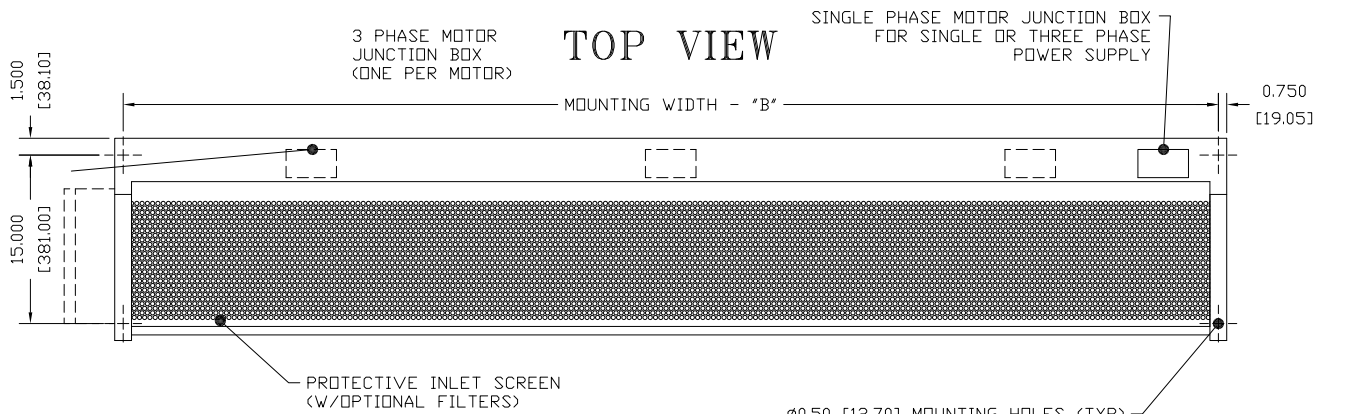
## NOTES:

- ⚠ 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].

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

|           |            |        |                                               |
|-----------|------------|--------|-----------------------------------------------|
| PROJECT   |            |        |                                               |
| LOCATION  |            |        |                                               |
| ARCHITECT |            |        |                                               |
| ENGINEER  |            |        |                                               |
| DWG. NO.  | IDC12-AMB2 | TITLE: | <b>BERNER</b>                                 |
| DATE      | 23JUN2025  |        | MODEL IDC12 AIR CURTAIN                       |
| BY        | S. Beil    |        | AMBIENT SYSTEM                                |
| REPLACES  | 11DEC2024  |        |                                               |
| BY        | S. Beil    |        | BERNER INTERNATIONAL CORP.<br>NEW CASTLE, PA. |

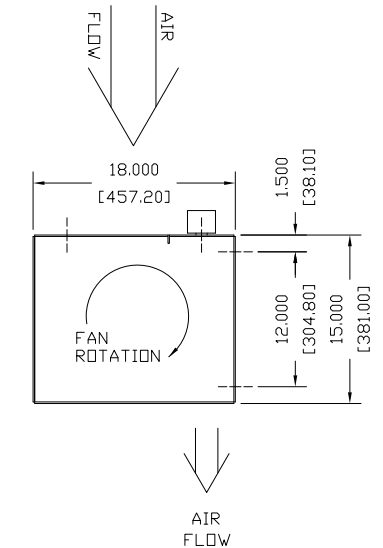
REV. B



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

# IDC12 AMBIENT SYSTEM TOP INTAKE

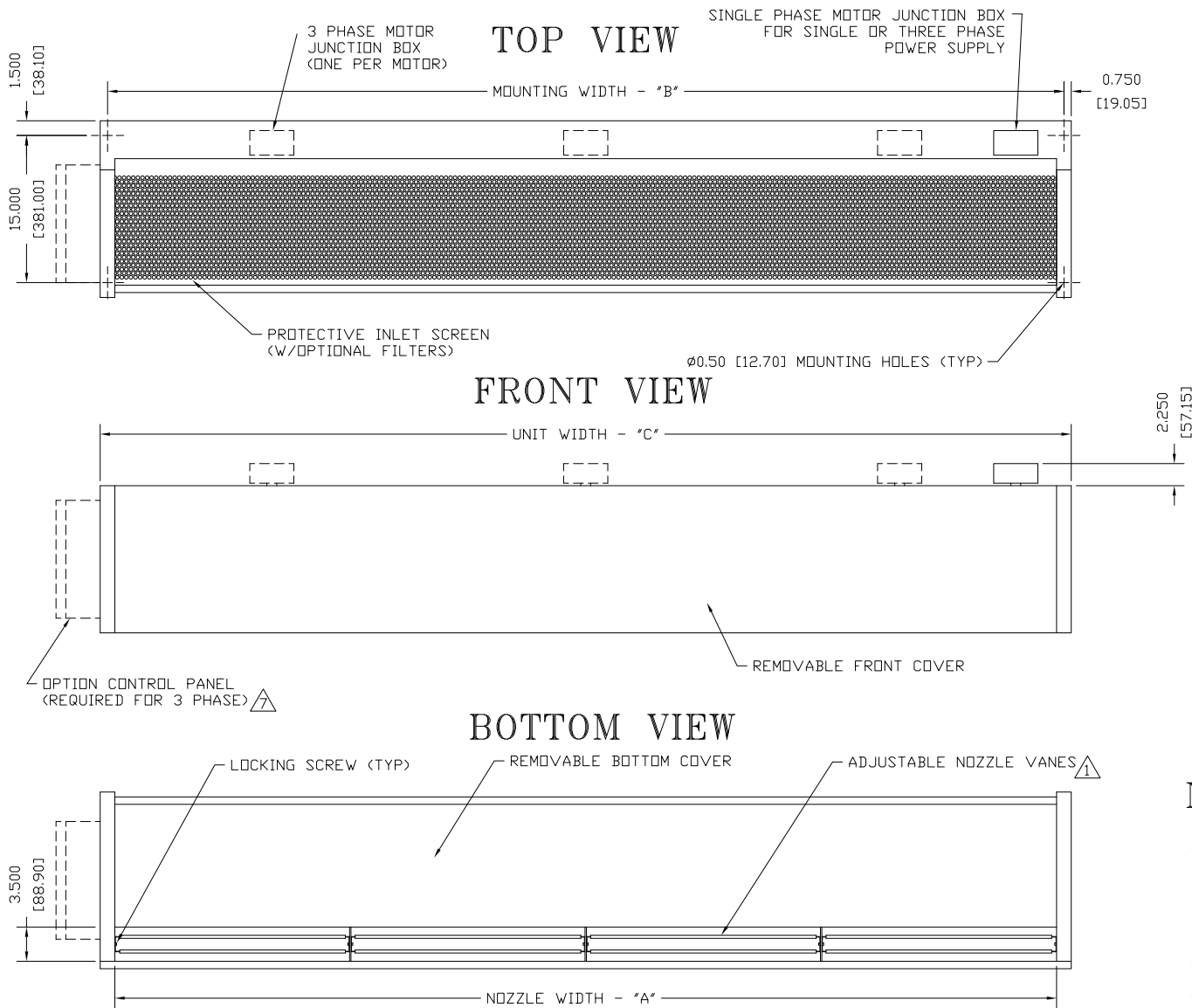
## END VIEW



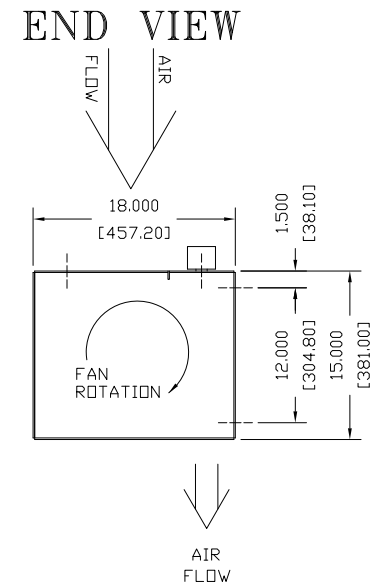
## NOTES:

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

|           |            |                                               |
|-----------|------------|-----------------------------------------------|
| PROJECT   |            |                                               |
| LOCATION  |            |                                               |
| ARCHITECT |            |                                               |
| ENGINEER  |            | REV. B                                        |
| DWG. NO.  | IDC12-AMB3 | TITLE: <b>BERNER</b>                          |
| DATE      | 23JUN2025  | MODEL IDC12 AIR CURTAIN                       |
| BY        | S. Beil    | AMBIENT SYSTEM - TOP INTAKE                   |
| REPLACES  | 11DEC2024  |                                               |
| BY        | S. Beil    | BERNER INTERNATIONAL CORP.<br>NEW CASTLE, PA. |



# IDC12 AMBIENT SYSTEM TOP INTAKE



## 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].

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

|           |            |                             |               |
|-----------|------------|-----------------------------|---------------|
| PROJECT   |            |                             |               |
| LOCATION  |            |                             |               |
| ARCHITECT |            |                             |               |
| ENGINEER  |            |                             |               |
| DWG. NO.  | IDC12-AMB4 | TITLE:                      | <b>BERNER</b> |
| DATE      | 23JUN2025  | MODEL IDC12 AIR CURTAIN     |               |
| BY        | S. Beil    | AMBIENT SYSTEM - TOP INTAKE |               |
| REPLACES  | 11DEC2024  | BERNER INTERNATIONAL CORP.  |               |
| BY        | S. Beil    | NEW CASTLE, PA.             |               |