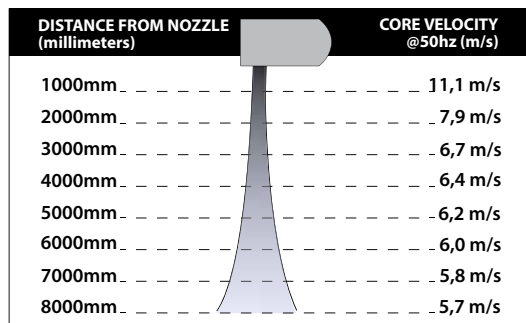




Velocity testing shown above was obtained in accordance with ISO27327-1 in an accredited A2LA laboratory but is not AMCA certified.

**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)	Water Coil Output (kW)	Entering/Leaving Water Temp (°C)	Water Flow Rate (l/s)	Fluid Pressure Drop (kPa)	Air Temp. Rise (°C)	Net Wt. (kg)
IDC12-1036W	914	21,9	7,3	2141	87%	0,4	0,4	3,5	9,4	60° 54°	0,38	2,7	13°	60
IDC12-1042W	1067	23,5	6,6	2241	89%	0,4	0,4	3,5	10,1	60° 53°	0,35	2,4	13°	64
IDC12-1048W	1219	22,4	5,8	2257	78%	0,4	0,4	3,5	10,4	60° 52°	0,32	2,0	14°	68
IDC12-2060W	1676	20,2	7,7	4150	85%	0,8	0,7	7,0	18,3	60° 53°	0,60	7,5	13°	101
IDC12-2072W	1829	21,9	7,3	4281	87%	0,8	0,7	7,0	19,5	60° 52°	0,63	8,4	13°	107
IDC12-2078W	1981	21,9	6,9	4382	87%	0,9	0,7	7,0	20,4	60° 52°	0,63	8,5	14°	111
IDC12-2084W	2134	23,5	6,6	4482	89%	0,9	0,7	7,0	20,7	60° 51°	0,57	7,1	14°	115
IDC12-2096W	2515	22,4	5,6	4514	78%	0,9	0,7	7,0	22,5	60° 51°	0,60	8,2	15°	123
IDC12-3096W	2515	20,2	7,8	6290	85%	1,2	1,1	10,5	28,5	60° 52°	0,88	17,3	13°	142
IDC12-3108W	2743	21,9	7,3	6422	87%	1,2	1,1	10,5	29,9	60° 52°	0,88	17,8	14°	164
IDC12-3120W	2972	21,9	7,0	6623	87%	1,3	1,1	10,5	31,3	60° 51°	0,88	18,1	14°	170
IDC12-3132W	3353	22,4	6,3	6739	78%	1,3	1,1	10,5	33,5	60° 51°	0,95	21,5	15°	185
IDC12-3144W	3658	22,4	5,8	6770	78%	1,3	1,1	10,5	34,7	60° 51°	0,95	22,1	15°	194
IDC12-4144W	3658	21,9	7,3	8563	87%	1,7	1,5	14,0	40,7	60° 52°	1,20	34,8	14°	213
IDC12-4156W	3962	21,9	6,9	8764	87%	1,7	1,5	14,0	42,5	60° 51°	1,20	35,7	14°	224
IDC12-4168W	4267	23,5	6,6	8965	89%	1,7	1,5	14,0	44,6	60° 51°	1,26	40,4	15°	232
IDC12-4180W	4572	22,4	6,1	8996	78%	1,7	1,5	14,0	45,8	60° 51°	1,26	41,4	15°	241
IDC12-5180W	4572	21,9	7,3	10703	87%	2,1	1,9	17,5	51,2	60° 51°	1,45	54,2	14°	260
IDC12-4192W	4877	22,4	5,8	9027	78%	1,8	1,5	14,0	47,8	60° 52°	1,39	50,9	16°	251
IDC12-5192W	4877	22,4	6,9	10804	78%	2,1	1,9	17,5	53,1	60° 51°	1,51	60,2	14°	270

NOTES:

- Coil performance based on 18°C entering air temperature.
- Standard connection same end supply/return (Optional: opposite end supply/return).
- Coil should be field supplied with a solenoid valve that energizes only when air curtain is energized. Consideration must be taken for freeze protection when necessary.
- Maximum leaving air temperature shall not exceed 49°C
- Consult factory for alternate entering air & water temperatures, Volumetric Flow Rate, opposite end supply/return connections performance data, or vertically mounted

MODEL NUMBER CONFIGURATION

IDC12-1 036 W V-F-SS

Series	# of Motors	Opening Width	Heat	Voltage	Intake	Opt. Cabinet Finish
IDC12	1, 2, 3, 4, 5	036" - 192" (914- 4877mm)	W=Hot Water Heated	AC motors only V=230/1/50	T=Top F=Front	SS=Stainless Steel 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
- Coil Features:
 - Galvanized steel casing
 - 15,8mm copper tube with 0,9mm wall
 - Aluminum fins
 - Leak tested at 3,1MPa

OPTIONS

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

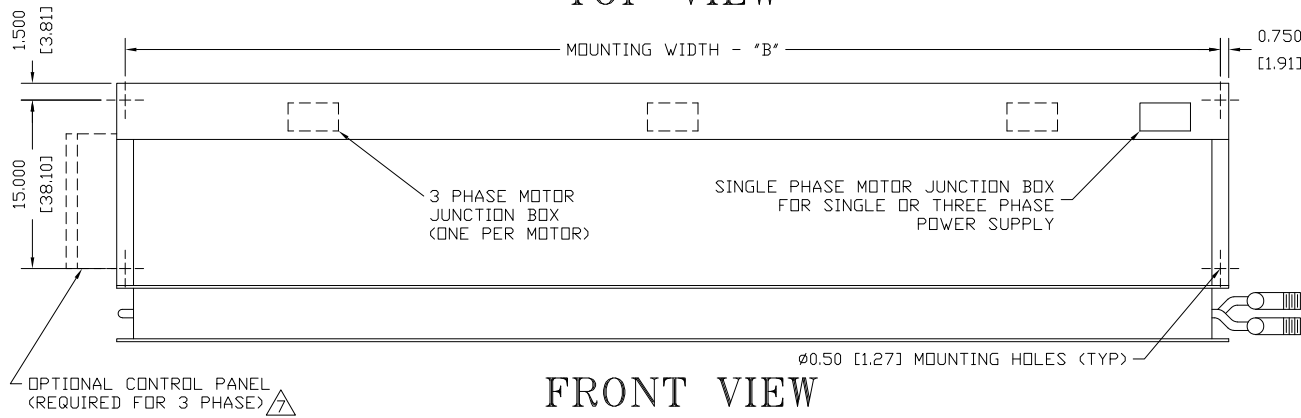
VELOCITY PROJECTION: Model IDC12-1036W			
Distance from Nozzle (mm)	1000	2000	3000
Core Velocity (m/s)	11,1	7,9	6,7
Uniformity (%)	89%	93%	92%

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

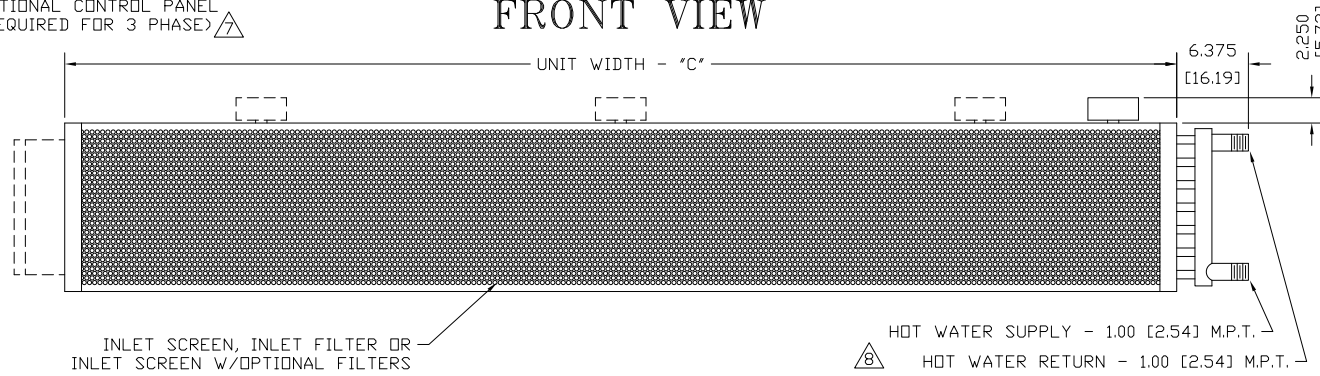
1, 2, 3, 4 & 5 motor(s): 63 dBA, 66 dBA, 68 dBA, 69 dBA & 70 dBA

Berner reserves the right to alter specifications without prior notice.

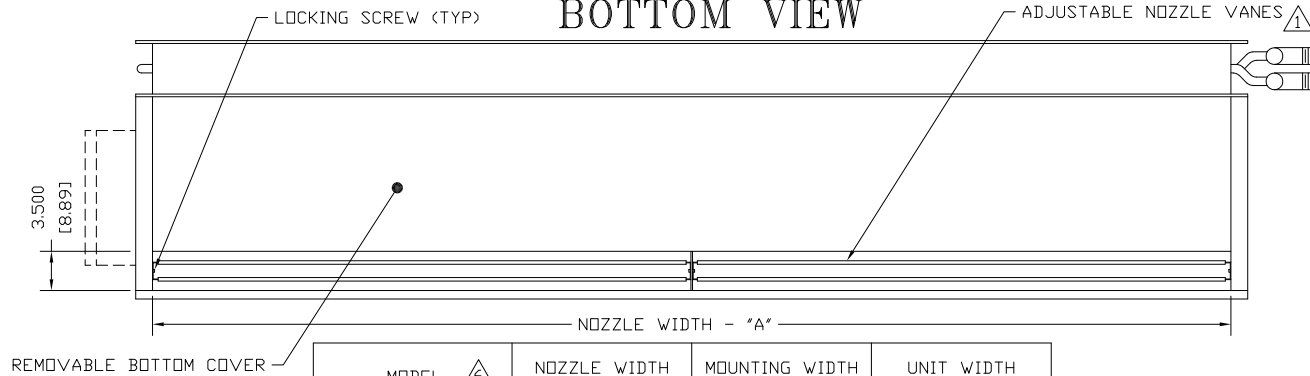
TOP VIEW



FRONT VIEW



BOTTOM VIEW

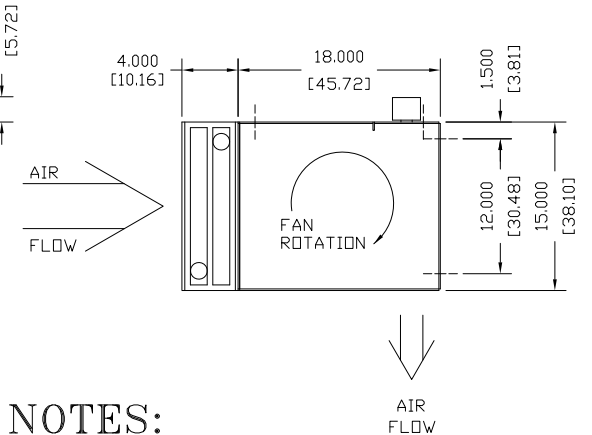


MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"
IDC12-1036W	36.00 [914]	37.50 [953]	39.00 [991]
IDC12-1042W	42.00 [1067]	43.50 [1104]	45.00 [1143]
IDC12-1048W	48.00 [1219]	49.50 [1257]	51.00 [1295]
IDC12-2060W	66.00 [1676]	67.50 [1715]	69.00 [1753]
IDC12-2072W	72.00 [1829]	73.50 [1867]	75.00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

IDC12

HOT WATER HEATED

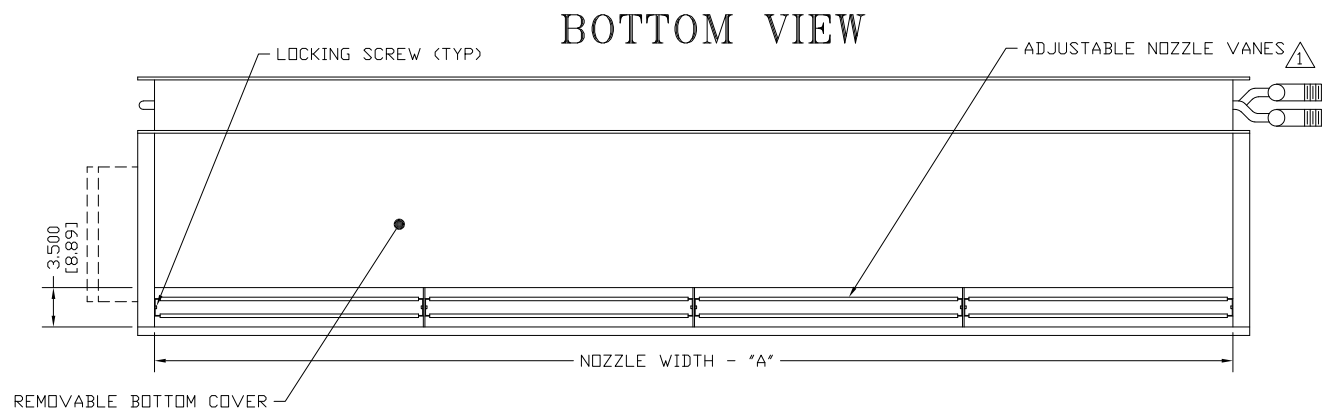
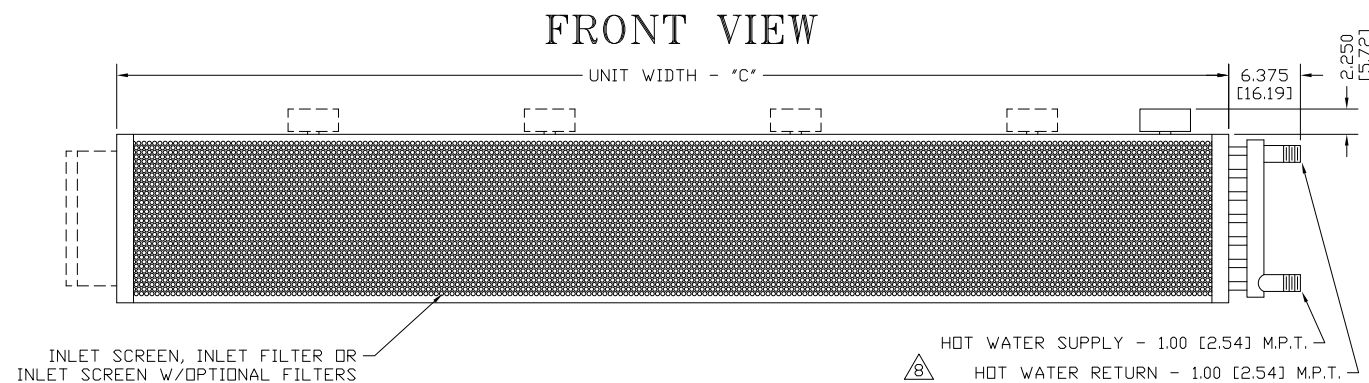
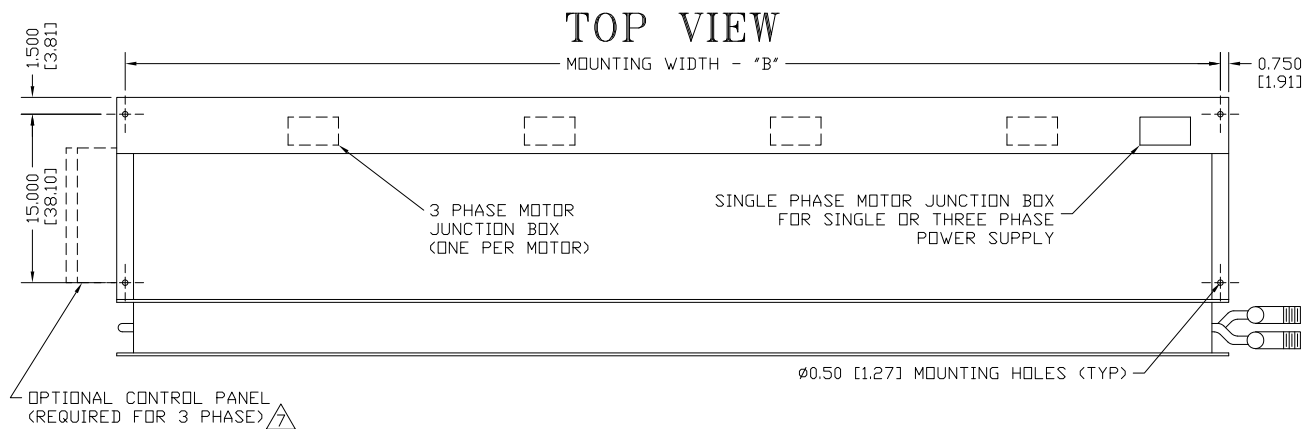
END VIEW



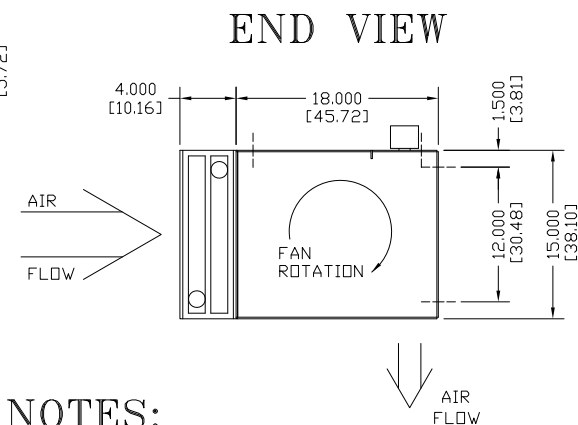
NOTES:

- 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 "W" IN MODEL NUMBER DESIGNATES, HOT WATER HEATED UNIT.
- STANDARD CONTROL PANEL LEFT HAND MOUNT, OPTIONAL RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- COIL CONNECTIONS AS SHOWN, OPPOSITE AND SAME END CONNECTIONS AVAILABLE, PLEASE SPECIFY.
- DIMENSIONS IN INCHES (MILLIMETERS).

PROJECT		
LOCATION		
ARCHITECT		
ENGINEER		REV. A
DWG. NO.	IDC12-WTR1	TITLE: BERNER
DATE	11DEC2024	MODEL IDC12 AIR CURTAIN
BY	S. Beil	HOT WATER HEATED SYSTEM
REPLACES	28MAY2014	
BY	S. Beil	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.



IDC12 HOT WATER HEATED



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 "W" IN MODEL NUMBER DESIGNATES, HOT WATER HEATED UNIT.
- 7 STANDARD CONTROL PANEL LEFT HAND MOUNT, OPTIONAL RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- 8 COIL CONNECTIONS AS SHOWN, OPPOSITE AND SAME END CONNECTIONS AVAILABLE, PLEASE SPECIFY.
- 9 DIMENSIONS IN INCHES (MILLIMETERS).

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

PROJECT		
LOCATION		
ARCHITECT		
ENGINEER		REV. A
DWG. NO.	IDC12-WTR2	TITLE: BERNER
DATE	11DEC2024	MODEL IDC12 AIR CURTAIN
BY	S. Beil	HOT WATER HEATED SYSTEM
REPLACES	28MAY2014	
BY	S. Beil	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.