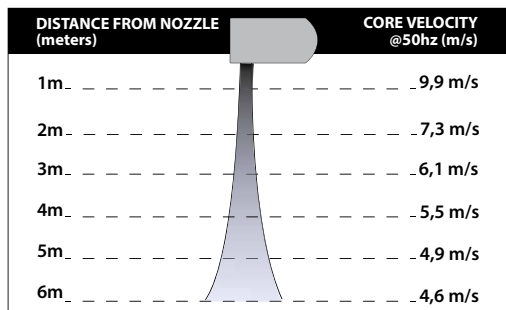




Velocity testing shown above was obtained in accordance with ISO27327-1 in an accredited A2LA laboratory but is not AMCA certified.

**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)
IDC14-1036W	914	32.03	11.59	3392	87%	0.93	0.74	9.50	12.51	60 55	0.57	6.15	11	62
IDC14-1042W	1067	29.80	10.31	3520	81%	0.93	0.74	9.50	13.71	60 54	0.57	6.25	11	54
IDC14-1048W	1219	30.37	9.20	3589	84%	1.04	0.74	9.50	13.87	60 52	0.44	3.88	11	52
IDC14-2060W	1676	31.83	12.07	6476	97%	1.72	1.48	19.00	24.79	60 54	1.01	20.62	11	54
IDC14-2072W	1829	32.03	11.59	6784	87%	1.87	1.48	19.00	26.02	60 53	0.95	18.50	11	53
IDC14-2078W	1981	29.80	10.90	6912	81%	1.87	1.48	19.00	27.21	60 53	0.95	18.80	12	52
IDC14-2084W	2134	29.80	10.31	7039	81%	1.87	1.48	19.00	28.36	60 53	0.95	19.07	12	52
IDC14-2096W	2515	30.37	8.92	7178	84%	2.08	1.48	19.00	30.74	60 52	0.95	19.81	13	51
IDC14-3096W	2515	32.03	12.26	9868	87%	2.66	2.22	28.50	37.76	60 53	1.32	38.13	11	53
IDC14-3108W	2743	32.03	11.59	10177	87%	2.80	2.22	28.50	39.61	60 53	1.29	37.17	11	52
IDC14-3120W	2972	29.80	10.97	10432	81%	2.80	2.22	28.50	42.05	60 53	1.39	43.51	12	52
IDC14-3132W	3353	29.80	9.90	10628	81%	2.91	2.22	28.50	45.04	60 52	1.45	49.04	12	52
IDC14-3144W	3658	30.37	9.20	10767	84%	3.12	2.22	28.50	47.35	60 52	1.51	54.66	13	52
IDC14-4144W	3658	32.03	11.59	13569	87%	3.73	2.96	38.00	54.06	60 53	1.77	73.66	12	52
IDC14-4156W	3962	29.80	10.90	13824	81%	3.73	2.96	38.00	64.34	60 52	2.02	71.63	14	52
IDC14-4168W	4267	29.80	10.31	14079	81%	3.73	2.96	38.00	66.75	60 52	2.02	72.29	14	51
IDC14-4180W	4572	29.80	9.72	14217	81%	3.95	2.96	38.00	69.15	60 52	2.08	77.52	14	51
IDC14-5180W	4572	32.03	11.59	16961	87%	4.67	3.70	45.00	77.12	60 52	2.33	97.12	13	51
IDC14-4192W	4877	30.37	9.20	14356	84%	4.17	2.96	38.00	72.15	60 52	2.27	92.85	15	52
IDC14-5192W	4877	30.37	10.92	17046	84%	4.74	3.70	45.00	79.55	60 52	2.40	103.28	14	51

NOTES:

- Performance data based on AMCA licensed data from unheated units.
- 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

IDC14-1 036 W V-F-SS

Series	# of Motors	Opening Width	Heat	Voltage	Intake	Opt. Cabinet Finish
IDC14	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

- 0.74 kW single speed motor(s) - direct drive (Optional: two-speed)
- 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)

Berner reserves the right to alter specifications without prior notice.

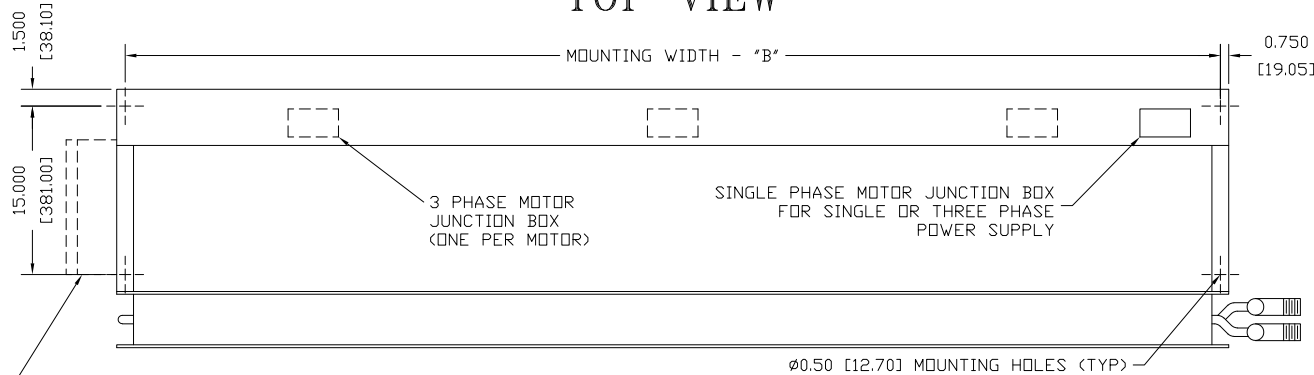
VELOCITY PROJECTION: Model IDC14-1036W

Distance from Nozzle (mm)	1000	2000	3000
Core Velocity (m/s)	16.2	10.4	9.0
Uniformity (%)	95%	85%	96%

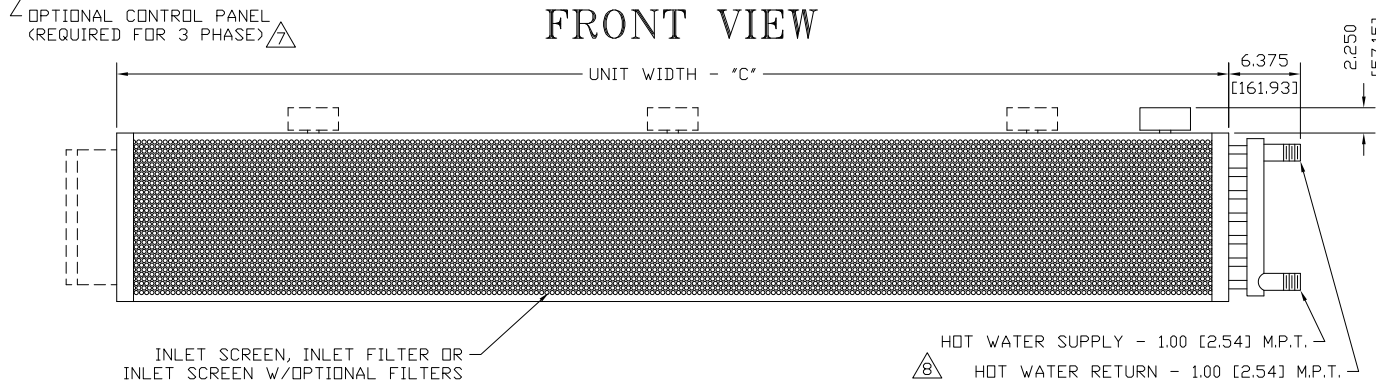
Sound level measured 10' (3m) from the unit in free field:

1, 2, 3, 4 & 5 motor(s): 66 dBA, 69 dBA, 71 dBA, 72 dBA & 73 dBA

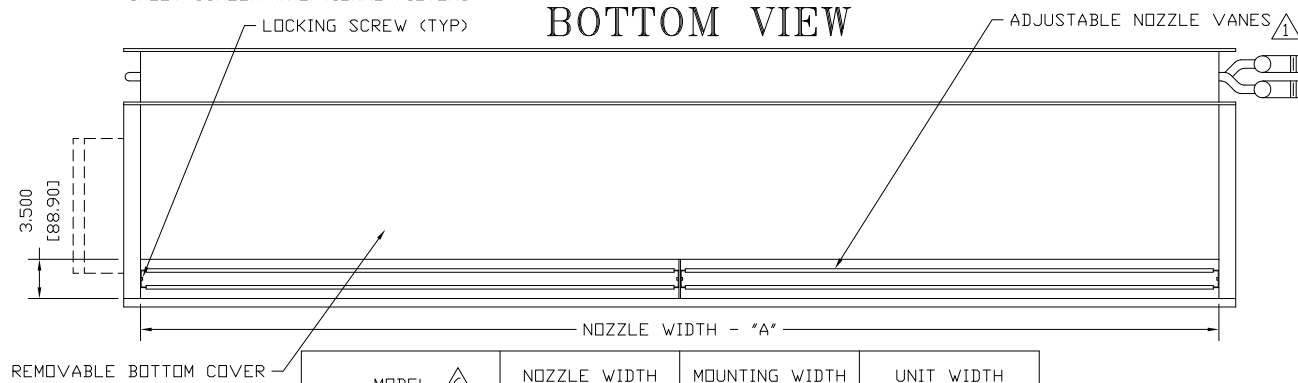
TOP VIEW



FRONT VIEW

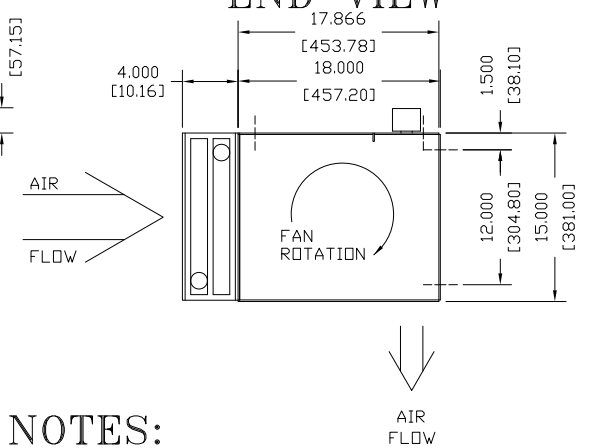


BOTTOM VIEW



IDC14 HOT WATER HEATED

END VIEW

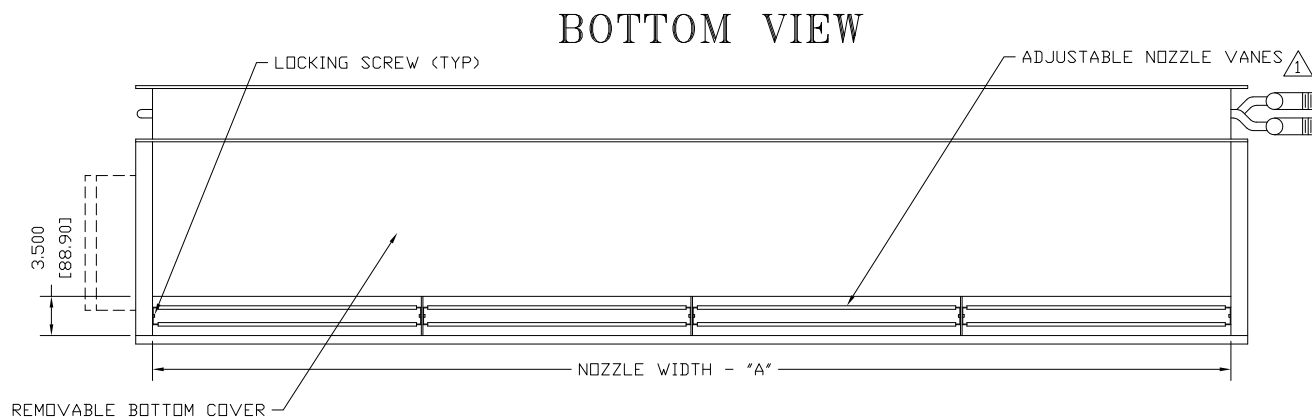
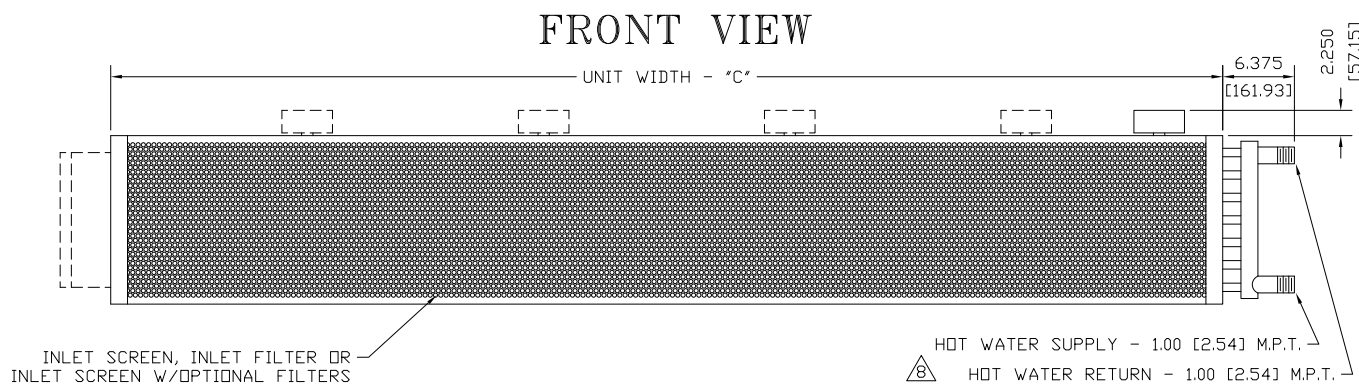
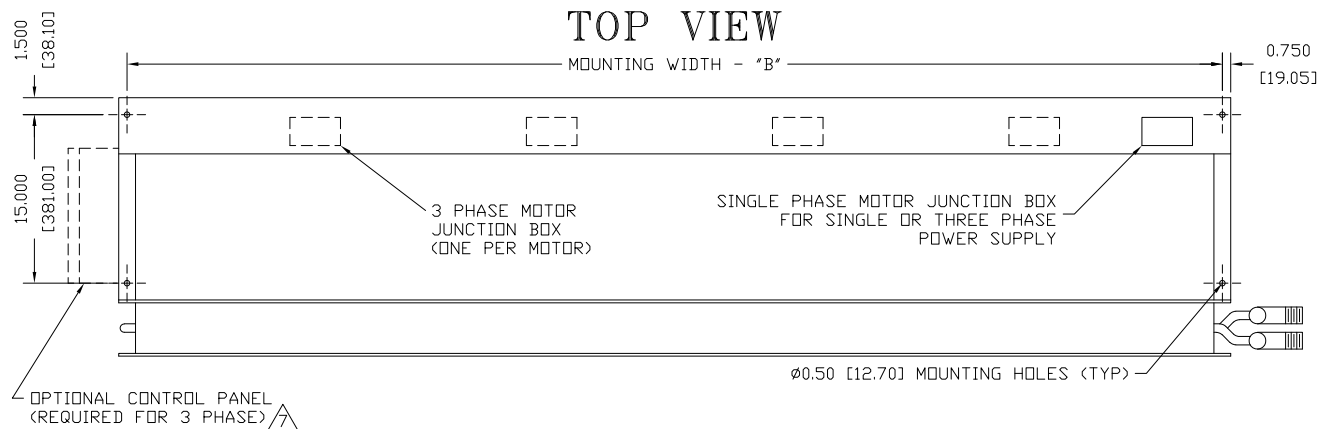


NOTES:

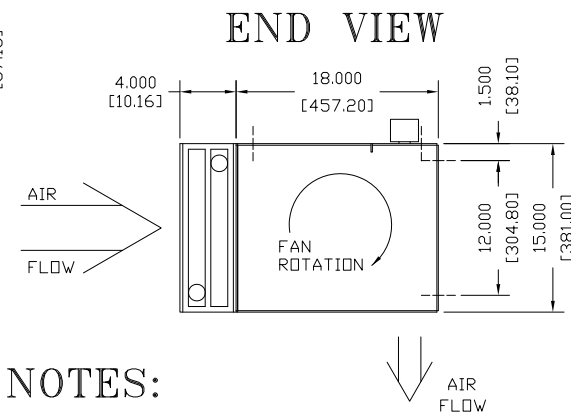
- 1 AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF C.
- 2 ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- 3 FIELD VERIFY DIMENSIONS.
- 4 ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- 5 ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- 6 LETTER "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"
IDC14-1036W	36.00 [914]	37.50 [953]	39.00 [991]
IDC14-1042W	42.00 [1067]	43.50 [1104]	45.00 [1143]
IDC14-1048W	48.00 [1219]	49.50 [1257]	51.00 [1295]
IDC14-2060W	66.00 [1676]	67.50 [1715]	69.00 [1753]
IDC14-2072W	72.00 [1829]	73.50 [1867]	75.00 [1905]
IDC14-2078W	78.00 [1921]	79.50 [2019]	81.00 [2057]
IDC14-2084W	84.00 [2134]	85.50 [2172]	87.00 [2210]
IDC14-2096W/3096W	99.00 [2515]	100.50 [2553]	102.00 [2591]
IDC14-3108W	108.00 [2743]	109.50 [2781]	111.00 [2819]
IDC14-3120W	117.00 [2972]	118.50 [3010]	120.00 [3048]
IDC14-3132W	132.00 [3353]	133.50 [3391]	135.00 [3429]
IDC14-3144W/4144W	144.00 [3658]	145.50 [3696]	147.00 [3734]

PROJECT		
LOCATION		
ARCHITECT		
ENGINEER		REV. B
DWG. NO.	IDC14-WTR1	TITLE: BERNER
DATE	23JUN2025	MODEL IDC14 AIR CURTAIN
BY	S. Beil	HOT WATER HEATED SYSTEM
REPLACES	11DEC2024	
BY	S. Beil	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.



IDC14 HOT WATER HEATED



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).

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

PROJECT			
LOCATION			
ARCHITECT			
ENGINEER			REV. B
DWG. NO.	IDC14-WTR2	TITLE:	BERNER
DATE	23JUN2025		MODEL IDC14 AIR CURTAIN
BY	S. Beil		HOT WATER HEATED SYSTEM
REPLACES	11DEC2024		
BY	S. Beil		BERNER INTERNATIONAL CORP. NEW CASTLE, PA.