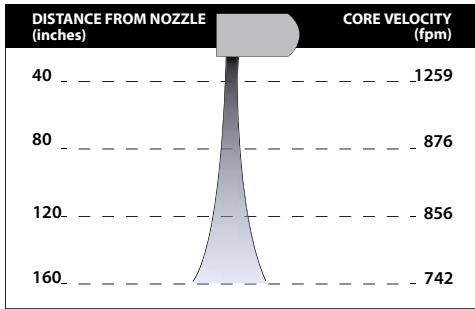


**Vestibule Exception Compliance: up to 14 ft. AFF / Optimal Environmental Separation: up to 10 ft. AFF**



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 (hot water heated) 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.

**2 Year Limited Warranty**



indoor 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	Coil Output (MBH)	Entering / Leaving Water Temp. (°F)	Water Flow (GPM)	Fluid Pressure Drop (FT. WG.)	Air Temp. Rise (°F)	Net Wt. (lbs)
AI10-F-1036W	36.00	3,522	1,916	1,317	80%	0.49	1 @ 1/2	33.2	180°/163°	4.0	0.5	23°	110
AI10-F-1042W	42.00	3,429	1,709	1,371	82%	0.50	1 @ 1/2	36.8	180°/161°	4.0	0.5	25°	122
AI10-F-1048W	48.00	4,040	1,833	1,680	90%	0.63	1 @ 1/2	45.3	180°/161°	5.0	0.8	25°	141
AI10-F-1060W	59.00	4,146	1,541	1,736	85%	0.63	1 @ 1/2	55.1	180°/164°	7.0	1.6	29°	156
AI10-F-2072W	72.00	3,522	1,916	2,634	80%	0.98	2 @ 1/2	74.3	180°/161°	8.0	2.1	26°	216
AI10-F-2078W	78.00	3,522	1,805	2,688	80%	0.99	2 @ 1/2	77.9	180°/160°	8.0	2.2	26°	219
AI10-F-2084W	84.00	3,429	1,709	2,742	82%	1.00	2 @ 1/2	81.4	180°/159°	8.0	2.2	27°	240
AI10-F-2096W	96.00	4,040	1,833	3,360	90%	1.26	2 @ 1/2	98.9	180°/160°	10.0	3.6	27°	278
AI10-F-2108W	108.00	4,146	1,656	3,416	85%	1.26	2 @ 1/2	106.9	180°/160°	11.0	4.5	29°	293
AI10-F-2120W	118.00	4,146	1,541	3,472	85%	1.26	2 @ 1/2	113.7	180°/161°	12.0	5.5	30°	306
AI10-F-3132W	132.00	4,040	1,855	4,677	80%	1.75	3 @ 1/2	140.65	180°/159°	14.0	7.7	27°	384
AI10-F-3144W	144.00	4,040	1,833	5,040	90%	1.89	3 @ 1/2	153.0	180°/159°	15.0	9.1	28°	415

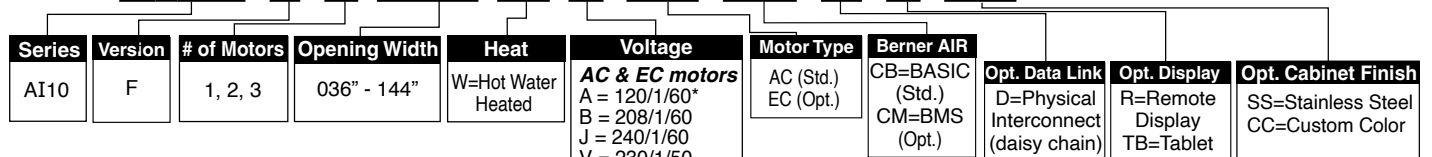
See sheets EP-296E-AC & EP-296E-EC for amp draws/total load requirements. 600/3/60 power supply includes extended cabinet, See drawing AI10-F-WTR-600

**NOTES:**

- Standard connection same end supply/return.
- Coil should be field supplied with a solenoid/control valve that energizes only when air curtain is energized. Consideration must be taken for freeze protection when necessary.
- Coil performance based on 65°F entering air temperature.
- Maximum leaving air temperature shall not exceed 120F.
- Consult factory for alternate entering air & water temperatures or GPM's.
- Operation of standard motor (AC) at 50Hz will generate a 17% reduction in performance; no reduction for optional EC motors.

### MODEL NUMBER CONFIGURATION

**AI10-F-1 036 W A-AC-CB-D-R-SS**



for Standard offering, leave options (Opt.) blank

**STANDARD CONSTRUCTION**

- 12 3/4" high x 22" deep
- 1/2 hp AC motor(s) - ten speeds
- Touchscreen interface with Intelliswitch™ digital controller, includes Berner AIR® BASIC (smart control)
- Clear satin anodized aluminum exterior
- Wall or Top Mounting
- High efficiency, low noise, articulating, three vane, Pro-V Nozzle
- Factory installed coil
- Filter (washable)

**OPTIONS**

- 1/2 hp EC motor(s) - ten speeds
- Berner AIR® BMS (smart control with BACnet and Modbus capabilities)
- Custom Color or Stainless
- Rear cover for top mounting to conceal fasteners

VELOCITY PROJECTION: Model AI10-F-1036W				
Distance from Nozzle (in)	40	80	120	160
Core Velocity (fpm)	1259	876	856	742
Uniformity (%)	83%	88%	92%	96%

ASHRAE 90.1-2019 vestibule exception requires, "a jet velocity of not less than 6.6 feet per second (400 fpm; 2.0 m/s) at 6.0 in (15 cm) above the floor."

Sound level measured 10' (3m) from the unit in free field:  
 1 motor: Min./Max. Speed: 53/56 dBA  
 2 motors: Min./Max. Speed: 56/59 dBA  
 3 motors: Min./Max. Speed: 59/61 dBA  
 Sound data is not AMCA certified.

Berner reserves the right to alter specifications without prior notice.