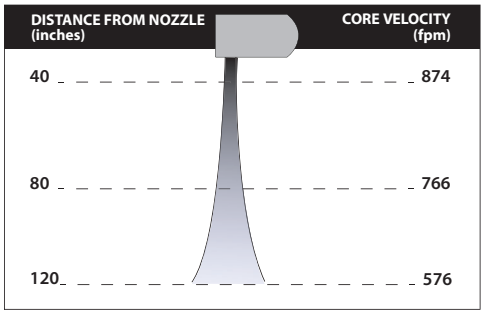
BERNER AIR CURTAINS

COMMERCIAL HIGH PERFORMANCE 8
Unheated Indoor Air Curtain - Intelliswitch™
Data Sheet

Vestibule Exception Compliance: up to 10 ft. AFF / Optimal Environmental Separation: up to 8 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 (unheated) 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.

5 Year Limited Warranty | Made in USA | *indoor use* | FDA RECOMMENDED | USDA COMPLIANCE

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	Net Wt. (lbs)
CH08-F-1025A	25.00	2,297	1,372	536	74%	0.15	1 @ 1/5	28
CH08-F-1030A	30.00	2,584	1,760	825	78%	0.23	1 @ 1/5	33
CH08-F-1036A	36.00	2,308	1,758	989	85%	0.21	1 @ 1/5	38
CH08-F-1042A	42.00	2,425	1,778	1,167	83%	0.24	1 @ 1/5	41
CH08-F-1048A	48.00	2,417	1,827	1,370	80%	0.26	1 @ 1/5	44
CH08-F-1060A	59.00	2,276	1,827	1,684	81%	0.33	1 @ 1/5	52
CH08-F-1072A	72.00	2,185	1,648	1,854	84%	0.35	1 @ 1/5	59
CH08-F-2078A	78.00	2,425	1,769	2,156	83%	0.44	2 @ 1/5	75
CH08-F-2084A	84.00	2,425	1,778	2,334	83%	0.47	2 @ 1/5	83
CH08-F-2096A	96.00	2,417	1,827	2,740	80%	0.53	2 @ 1/5	90
CH08-F-2108A	108.00	2,417	1,810	3,054	80%	0.60	2 @ 1/5	97
CH08-F-2120A	118.00	2,276	1,827	3,368	81%	0.67	2 @ 1/5	104

See sheets EP-132F-AC-DS & EP-132F-EC-DS for amp draws/total load requirements.
480/3/60 - 600/3/60 power supply includes transformer housing, See drawing CH08-F-A-480INT

NOTE: Operation of standard motor (AC) at 50Hz will generate a 17% reduction in performance; no reduction for optional EC motors.

MODEL NUMBER CONFIGURATION

CH08-F-1 025 A A-AC-DL-R-SS

Series	Version	# of Motors	Opening Width	Heat	Voltage	Motor Type	Controls Type	Opt. Display	Cabinet Finish / Opt. Cabinet Finish
CH08	F	1, 2	025" - 120"	A=Ambient	***AC & EC motors*** A = 120/1/60* B = 208/1/60 J = 240/1/60 V = 230/1/50 A-XH = 480/3/60 † A-XI = 600/3/60 †	AC (Std.) EC (Opt.)	DL=Intelliswitch - Pushbutton (Std.) CB=Berner AIR BASIC (Opt.) CM=Berner AIR BMS (Opt.)	R=Remote Display	White *(leave blank)* BK=Black **Opt. Cabinet Finish** SS=Stainless Steel CC=Custom Color

**Suitable for 50 Hz*
† Add 5" for transformer housing

STANDARD CONSTRUCTION
- Low Profile, 8 ½" high x 14 ½" deep
- 1/5 hp AC motor(s) - ten speeds
- Pushbutton interface with Intelliswitch™ digital controller
- White or black powder coated exterior
- Wall & Top Mounting
- High efficiency, low noise, articulating, three vane, Pro-V Nozzle

OPTIONS
- 1/5 hp EC motor(s) - ten speeds
- Berner AIR® BASIC (smart control)
- Berner AIR® BMS (smart control with BACnet and Modbus)
- Custom Color or Stainless
- Filter (washable)

VELOCITY PROJECTION: Model CH08-F-1036A			
Distance from Nozzle (in)	40	80	120
Core Velocity (fpm)	874	766	576
Uniformity (%)	90%	88%	87%

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: 49/55 dBA
2 motors: Min./Max. Speed: 52/58 dBA

Sound data is not AMCA certified.

Berner reserves the right to alter specifications without prior notice.

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DS-132F-DS
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