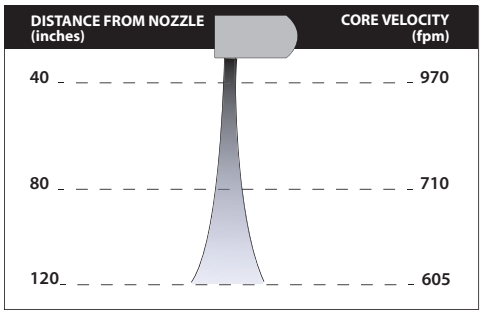
BERNER AIR CURTAINS

COMMERCIAL HIGH PERFORMANCE 8
Electric Heated 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 (electric 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 | 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	Max Electric Capacity (kW)	Heater Output (MBH)	Air Temp. Rise (°F)	Net Wt. (lbs)
CH08-F-1025E	25.00	2,125	1,398	546	81%	0.15	1 @ 1/5	5.2	17.7	30°	33
CH08-F-1030E	30.00	2,299	1,705	799	89%	0.21	1 @ 1/5	5.2	17.7	20°	39
CH08-F-1036E	36.00	2,251	1,691	951	84%	0.20	1 @ 1/5	10.0	34.1	33°	45
CH08-F-1042E	42.00	2,317	1,728	1,134	83%	0.23	1 @ 1/5	10.0	34.1	28°	49
CH08-F-1048E	48.00	2,335	1,779	1,334	81%	0.26	1 @ 1/5	14.4	49.1	34°	54
CH08-F-1060E	59.00	2,189	1,808	1,667	81%	0.32	1 @ 1/5	14.4	49.1	27°	63
CH08-F-1072E	72.00	2,149	1,582	1,780	84%	0.32	1 @ 1/5	20.0	68.3	35°	72
CH08-F-2078E	78.00	2,317	1,711	2,085	83%	0.42	2 @ 1/5	20.0	68.3	30°	90
CH08-F-2084E	84.00	2,317	1,728	2,268	83%	0.45	2 @ 1/5	20.0	68.3	28°	98
CH08-F-2096E	96.00	2,335	1,779	2,668	81%	0.52	2 @ 1/5	28.8	98.3	34°	107
CH08-F-2108E	108.00	2,335	1,778	3,001	81%	0.58	2 @ 1/5	28.8	98.3	30°	115
CH08-F-2120E	118.00	2,189	1,808	3,334	81%	0.64	2 @ 1/5	28.8	98.3	27°	128

See sheets EP-134F-AC-DS & EP-134F-EC-DS for amp draws/total load requirements.
480/3/60 - 600/3/60 power supply includes transformer housing, See drawing CH08-F-E-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 E B-140-AC-DL-R-SS

Series	Version	# of Motors	Opening Width	Heat	Voltage	Standard kW	Motor Type	Controls Type	Opt. Display	Cabinet Finish / Opt. Cabinet Finish
CH08	F	1, 2	025" - 120"	E=Electric Heated	***AC & EC motors*** B = 208/1/60* J = 240/1/60* V = 230/1/50* X = 208/3/60 Y = 240/3/60 K-XH = 480/3/60 † L-XI = 600/3/60 † K = 120/480 S = 208/480 U = 240/480 L = 120/600 M = 208/600 N = 240/600	5.2 - 28.8 (052 - 280) *See sheets EP-134F for alternate kW code*	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 / SS=Stainless Steel CC=Custom Color

*B - Max 16.2 kW
*J and V - Max 16.2 kW or 20 kW based on # motors
† Add 5" to cabinet width for transformer
See sheets EP-134F for available lengths and voltages

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
- Patented single stage venturi electric heater (open element)

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-1036E			
Distance from Nozzle (in)	40	80	120
Core Velocity (fpm)	970	710	605
Uniformity (%)	91%	89%	92%

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: 50/55 dBA
2 motors: Min./Max. Speed: 53/58 dBA
Sound data is not AMCA certified.

Berner reserves the right to alter specifications without prior notice.

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DS-134F-DS
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