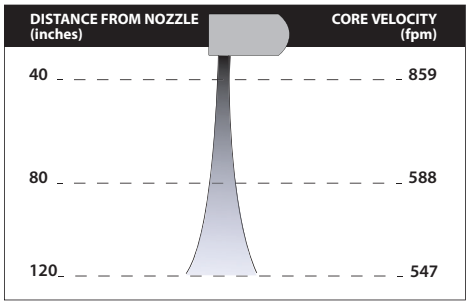
BERNER AIR CURTAINS

COMMERCIAL HIGH PERFORMANCE 8

Steam 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 (steam 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

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)	Inlet Pressure (PSIG)	Condensate (lbs/hr)	Air Temp. Rise (°F)	Net Wt. (lbs)
CH08-F-1036S	36.00	2,054	1,545	869	84%	0.19	1 @ 1/5	44.5	5	45.8	47°	64
CH08-F-1042S	42.00	1,985	1,547	1,015	82%	0.20	1 @ 1/5	52.4	5	54.0	48°	70
CH08-F-1048S	48.00	2,013	1,585	1,189	80%	0.23	1 @ 1/5	61.1	5	62.9	47°	76
CH08-F-1060S	59.00	2,040	1,552	1,431	80%	0.26	1 @ 1/5	75.6	5	77.9	49°	90
CH08-F-1072S	72.00	1,928	1,394	1,568	83%	0.28	1 @ 1/5	87.1	5	89.8	51°	102
CH08-F-2078S	78.00	2,054	1,546	1,884	82%	0.39	2 @ 1/5	99.8	5	102.9	49°	122
CH08-F-2084S	84.00	1,985	1,547	2,030	82%	0.41	2 @ 1/5	107.7	5	111.0	49°	131
CH08-F-2096S	96.00	2,013	1,585	2,378	80%	0.46	2 @ 1/5	125.1	5	128.9	49°	144
CH08-F-2108S	108.00	2,040	1,553	2,620	80%	0.49	2 @ 1/5	139.6	5	143.8	49°	156
CH08-F-2120S	118.00	2,040	1,552	2,862	80%	0.53	2 @ 1/5	152.1	5	156.8	49°	168

See sheets EP-136F-AC-DS & EP-136F-EC-DS for amp draws/total load requirements.
480/3/60 - 600/3/60 power supply includes transformer housing, See drawing CH08-F-S-480INT

NOTES:
1. Standard connection same end supply/return.
2. 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.
3. Coil performance based on 65°F entering air temperature.
4. Maximum leaving air temperature shall not exceed 120F.
5. Consult factory for alternate steam pressures.
6. 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-1 036 S 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	036" - 120"	S=Steam Heated	***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 Profle, 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
- Factory installed coil

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-1036S			
Distance from Nozzle (in)	40	80	120
Core Velocity (fpm)	859	588	547
Uniformity (%)	89%	87%	91%

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-136F-DS
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