



COMMERCIAL HIGH PERFORMANCE 10

Electric Heated Air Curtain

Data Sheet

For Mounting Heights To 10' (environmental separation)

STANDARD CONSTRUCTION

- 14" high x 15" deep
- 1/2 hp three speed motor(s)
- Factory installed fan speed/heat switch
- White or black aluminum exterior cover (Optional: Custom Color or Stainless)
- Wall & Top Mounting
- Optional: Filter (washable)
- Patented venturi open helical element with point suspension
 - Thermal overload protection
 - Galvanized steel frame
- Alternate kW: see sheet EP-112



Berner International Corporation 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



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)
CHD10-1036E	36.00	3,284	1,928	1,687	70%	0.73	1 @ 1/2	14.0	47.8	26°	52
CHD10-1042E	42.00	3,592	1,727	1,763	50%	0.77	1 @ 1/2	14.0	47.8	25°	55
CHD10-1048E	48.00	3,614	1,473	1,718	38%	0.69	1 @ 1/2	14.0	47.8	26°	56
CHD10-2060E	60.00	3,711	1,788	2,607	59%	1.22	2 @ 1/2	21.0	71.7	25°	96
CHD10-2072E	72.00	3,284	1,928	3,374	70%	1.45	2 @ 1/2	28.0	95.6	26°	104
CHD10-2084E	87.00	3,592	1,667	3,526	50%	1.54	2 @ 1/2	28.0	95.6	25°	110
CHD10-2096E	99.00	3,614	1,428	3,436	38%	1.38	2 @ 1/2	28.0	95.6	26°	112
CHD10-3096E	99.00	3,284	1,785	4,294	59%	1.95	3 @ 1/2	35.0	119.5	26°	148
CHD10-3108E	111.00	3,284	1,876	5,061	70%	2.18	3 @ 1/2	42.0	143.3	26°	156
CHD10-3120E	116.25	3,284	1,818	5,137	50%	2.22	3 @ 1/2	42.0	143.3	26°	159

1. NOTE: Operation at 50 Hz will generate approximately a 17% reduction in air performance.

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

See sheet EP-112 for amp draws/total load requirements and alternate kW.

MODEL NUMBER CONFIGURATION

CHD10-1 036 E B-R-SS

Series	# of Motors	Opening Width	Heat	Voltage	Opt. Switch	Cabinet Finish
CHD10	1, 2, 3	036" - 120"	E=Electric Heated	*B=208/1/60 *J=240/1/60 *V=220/1/50 K=120/480 L=120/600 S=208/480 U=240/480 M=208/600 N=240/600 X=208/3/60 Y=240/3/60 Z=480/3/60 Q=600/3/60 O=380/3/50 *Max 15kW	Remote Switch	White (leave blank) BK=Black Opt. Cabinet Finish SS=Stainless Steel CC=Custom Color

See sheet EP-112
for available lengths and voltages

for Standard offering, leave options (Opt.) blank
make sure to specify Cabinet Finish if other than white

VELOCITY PROJECTION: Model CHD10-1036E

Distance from Nozzle (in)	40	80	120	160	200
Core Velocity (fpm)	3260	1930	1530	1230	1140
Uniformity (%)	84	92	96	89	93

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

1 motor:	Low/Medium/High Speed:	64/65/66 dBA
2 motors 60":	Low/Medium/High Speed:	66/67/68 dBA
2 motors:	Low/Medium/High Speed:	67/68/69 dBA
3 motors:	Low/Medium/High Speed:	70/71/72 dBA

Berner reserves the right to alter specifications without prior notice.

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