

Vestibule Exception



For openings up to 14 feet high

PAAC-103

Unheated

The CHA unheated air curtain has been tested in accordance with ANSI/AMCA 220 and meets the criteria for use as an exception to the vestibule requirement in Climate Zones 3 and above. It is specifically designed to be dropped into the ceiling above customer entryways where a standard air curtain is not desired. The CHA is for customer entryways up to 14 feet high. Comes standard with a decorative white grille. Other colors or metals are available upon request.

Key Design Features

- 18-gauge galvanized steel case installed above the ceiling.
- White powder coated decorative intake screen
- Heavy duty 3/4 HP motors. 1630 rpm each.
- High efficiency discharge plenum ensures that air being discharged fills the entire width and height of the opening. This also lowers the operational sound level.
- Directional air foil vane factory set to facilitate deflection of air stream +20 degrees.
- Includes control panel.

The white grille is standard with this model. There is an additional charge for other colors or metals.



Recommended Controls

- Remote mounted On/Off Switch
- Time Delay Relay
- Door Switch for activation

Sound level: 63 dBA

(Measured 10 ft. from unit in a free field based on a 1 motor unit)

	CHA 1-36	CHA 1-48	CHA 1-60	CHA 2-72	CHA 2-84	CHA 2-96	CHA 2-108	CHA 3-108	CHA 3-120	CHA 3-132	CHA 4-144
Nozzle width (in.)	36	48	60	72	84	96	108	108	118	133	145
Average Outlet Velocity (FPM)	2987	2674	2396	2987	2808	2674	2520	2987	2862	2759	2987
Air Flow Rate (CFM)	1374	1765	1845	2748	3139	3530	3610	4122	4513	4904	5496
Outlet Velocity Uniformity	91%	91%	73%	91%	91%	91%	73%	91%	73%	91%	91%
Power Rating (kW)	0.68	0.84	0.87	1.36	1.52	1.68	1.71	2.04	2.20	2.36	2.52
Number of motors	1	1	1	2	2	2	3	3	3	3	4
Motor HP	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Weight	179	195	225	358	371	384	397	537	550	563	716

Single Phase Motor

Voltage Available: 120 208/230 480 575

Amp Draw Per Motor: 8.0 3.6 2.0 1.5

*For three phase motors consult factory.

**For dual speed motors consult factory.

Velocity Projection Model:

Distance From Nozzle: 40" 80" 120" 160" 200"

CHA-1-36 Core Velocity (fpm): 1500 1053 839 722 536

CHA-1-48 Core Velocity (fpm): 1388 908 715 602 556

CHA-1-60 Core Velocity (fpm): 1217 770 603 523 467

Powered Aire Inc. certifies that the Model CHA Unheated Air Curtain shown herein is 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.



The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.

Rated data shown are only for base (unheated) units, as shown.



MADE IN THE USA

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