

## ► CHA | PERFORMANCE

### CHA | Performance Table

MODEL	Nozzle Width (in.)	Average Outlet Velocity (FPM)	Air Flow Rate (CFM)	Outlet Velocity Uniformity	Power Rating (kW)	Number of Motors	Motor HP	Weight (lbs)
CHA-1-36	36	2987	1374	91%	0.68	1	3/4	179
CHA-1-48	48	2674	1765	91%	0.84	1	3/4	195
CHA-1-60	60	2396	1845	73%	0.87	1	3/4	225
CHA-2-72	72	2987	2748	91%	1.36	2	3/4	358
CHA-2-84	84	2808	3139	91%	1.52	2	3/4	371
CHA-2-96	96	2674	3530	91%	1.68	2	3/4	384
CHA-2-108	108	2520	3610	73%	1.71	3	3/4	397
CHA-3-108	108	2987	4122	91%	2.04	3	3/4	537
CHA-3-120	120	2862	4513	73%	2.2	3	3/4	550
CHA-3-132	132	2759	4904	91%	2.36	3	3/4	563
CHA-4-144	144	2987	5496	91%	2.52	4	3/4	716

**!** For a unit over 12 feet long, consult factory.

### CHA | Velocity Projection Model

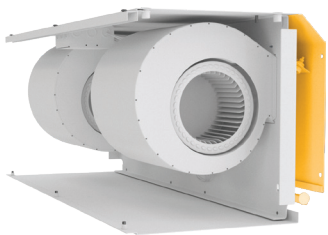
DISTANCE FROM NOZZLE	40"	80"	120"	160"	200"
CHA-1-36 Core Velocity (fpm)	1500	1053	839	722	536
CHA-1-48 Core Velocity (fpm)	1388	908	715	602	556
CHA-1-60 Core Velocity (fpm)	1217	770	603	523	467

### CHA | Sound Levels

**Normal speed**      63 dBA      Measured 10 ft. from unit in a free field based on a 1 motor unit

### CHA | Single Phase Motor Options

<b>Voltages available</b>	120	208/230	480	575	For dual speed motors, consult factory. For three phase motors, consult factory
<b>Amp draw per motor</b>	8.0	3.6	2.0	1.5	



### Performance Highlight

Perfect for customer facing spaces in retail environments, the model CED positions the blowers pointing toward the back of the air curtain. Here they fill a specially designed plenum that when pressurized is more efficient and lowers the operational sound level.

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 based on tests of units with heating elements present but not in use.

Powered Aire Inc. certifies that the Model CHA Air Curtain shown herein is licensed to bear the AMCA Seal for Air Performance. 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.

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