

▶ AERO & AERO-E | PERFORMANCE

AERO and AERO-E | Performance Table

MODEL	Nozzle Width (in.)	Avg. Outlet Velocity (FPM)	Airflow Rate (CFM)	Outlet Velocity Uniformity	Power Rating (kW)	Number of Motors	Motor HP	Weight (lbs)
AMCA UNHEATED								
AERO-42-208-240V	42	2107	1197	92%	0.300	1	0.4	42
AERO-62-208-240V	62	2031	1919	91%	0.475	1	0.63	56
AERO-82-208-240V	82	2171	2940	92%	0.475	1	0.63	72
AMCA HEATED								
AERO-42E-240V/1	42	2023	1149	92%	0.200	1	0.27	49
AERO-42-208-240V/3	42	2023	1149	92%	0.200	1	0.27	49
AERO-62-208-240V/3	62	1950	1842	91%	0.300	1	0.4	67
AERO-82-208-240V/3	82	2084	2822	92%	0.475	1	0.63	86

• The above airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection, and power rating is AMCA certified.

• The below ratings are based on tests and procedures performed to AMCA 220 Standard.

UNHEATED								
AERO-42-120V	42	1314	746	95%	0.047	1	0.4	42
AERO-62-120V	62	1408	1331	93%	0.090	1	0.63	56
AERO-82-120V	82	1471	1992	95%	0.090	1	0.63	72

AERO | Velocity Projection

Distance From Nozzle	40"	80"	120"
AERO-42 Core Velocity (fpm)	520	367	300

AERO | Sound Levels

Measured 10 ft. from unit in a free field based on an AERO-42 **47 dBA**

AERO | Motor Voltage

Model	AERO-42	AERO-62	AERO-82
Voltages Available	120V, 208-240V	120V, 208-240V	120V, 208-240V
Amp draw per motor	1.5	2.2	3.2

AERO-E | Electrical Data

MODEL	Voltage	Heater KW			Temp Rise			FLA (MOP)
AERO-42E-240V/1	208V/1	0.75 kW	1.5 kW		2.1	4.2		8.7 (15)
	240V/1	1.0 kW	2.0 kW		2.8	5.6		9.8 (15)
AERO-42E-208-240V/3	208V/3	1.5 kW	3.0 kW	4.5 kW	4.2	8.3	12.5	14.0 (20)
	240V/3	2.0 kW	4.0 kW	6.0 kW	5.6	11.1	16.7	15.9 (20)
AERO-62E-208-240V/3	208V/3	2.8 kW	5.5 kW	8.3 kW	4.9	9.5	14.4	25.2 (35)
	240V/3	4.0 kW	8.0 kW	12.0 kW	6.9	13.9	20.8	31.1 (40)
AERO-82E-208-240V/3	208V/3	4.3 kW	6.5 kW	10.8 kW	4.9	7.4	12.2	33.5 (45)
	240V/3	6.0 kW	9.0 kW	15.0 kW	6.8	10.2	17	39.6 (50)

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

Powered Aire Inc. certifies that the Model AERO 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.

May 2020
PAAC-601

