

# Vestibule Exception

# MODEL ETA-E

For openings up to 14 feet high

PAAC-104

Electric Heat

The ETA-E electrically heated 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. The ETA-E is used to stop cold or warm air from entering a climate controlled environment and is designed for all retail, grocery and office entryways as well as other applications that typically would require a vestibule. This commercial line's stainless steel construction, stainless steel intake screen, and 45 degree beveled edges give it a modern, pleasing look.

## Key Design Features

- Case is 18 gauge 304 stainless steel in a number three finish.
- 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.
- Heating elements are mounted inside the plenum, on the discharge side of the blowers. Here, heat won't affect motor life and the heaters are protected from dust that would accumulate on them if they were mounted on the air intake.



**Recommended Controls**  
 Remote mounted On/Off Switch  
 Thermostat  
 Time Delay Relay  
 Magnetic Door Switch for activation

**Sound level: 63 dBA** (Measured 10 ft. from unit in a free field based on a 1 motor unit)

	ETA-1-36E	ETA-1-42E	ETA-1-48E	ETA-1-60E	ETA-2-72E	ETA-2-84E	ETA-2-96E	ETA-3-108E	ETA-3-120E	ETA-3-132E	ETA-4-144E	ETA-4-156E	ETA-4-168E
Nozzle width (in.)	36	42	48	60	72	84	96	108	118	133	145	157	169
Average Outlet Velocity (FPM)	1845	1903	1514	1343	1845	1903	1514	1845	1886	1617	1845	1876	1903
Airflow Rate (CFM)	1310	1503	1438	1665	2620	3006	2876	3930	4316	4285	5240	5626	6012
Outlet Velocity Uniformity	82%	83%	85%	79%	82%	83%	85%	82%	82%	79%	82%	82%	83%
Power Rating (kW)	0.68	0.71	0.72	0.78	1.36	1.42	1.44	2.04	2.10	2.14	2.72	2.78	2.84
Number of motors	1	1	1	1	2	2	2	3	3	3	4	4	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	3/4	3/4
Heater Kilowatts	10	10	10	10	20	20	20	30	30	30	40	40	40
Temp. Rise Degrees (F)	24.4	21.2	22.2	19.2	24.4	21.2	22.2	24.4	22.2	22.4	24.4	22.7	21.2
Weight	95	102	109	121	177	195	210	255	284	301	354	372	390

### Single Phase Motor

**Voltage Available:** 120 208/230 480 575  
 Amp Draw Per Motor: 8.0 3.6 2.0 1.5

### Velocity Projection Model:

**Distance From Nozzle:** 40" 80" 120"  
 ETA-1-36E Core Velocity (fpm): 1133 1033 733

\* For three phase motors consult factory. \*\*For dual speed motors consult factory.

*Powered Aire Inc. certifies that the Model ETA-E Electrically Heated 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.*

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.



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