



EVE

LOW PROFILE



Powered Aire's Elite Vestibule Exception, EVE, was developed to be used as an exception to vestibules. The unit has met all criteria per various codes and has been tested in accordance with the ANSI/AMCA 220 standard. The EVE merges aesthetics and performance into a fashionable, low-profile air curtain designed for front-entry applications. The EVE offers a stylish intake and a curved, contemporary silhouette. Available in brushed stainless steel, white powder coat or black powder coat, the EVE blends into a building's architectural design and layout while effectively creating a barrier that separates indoor and outdoor environments.

OPTIONS

HEATING

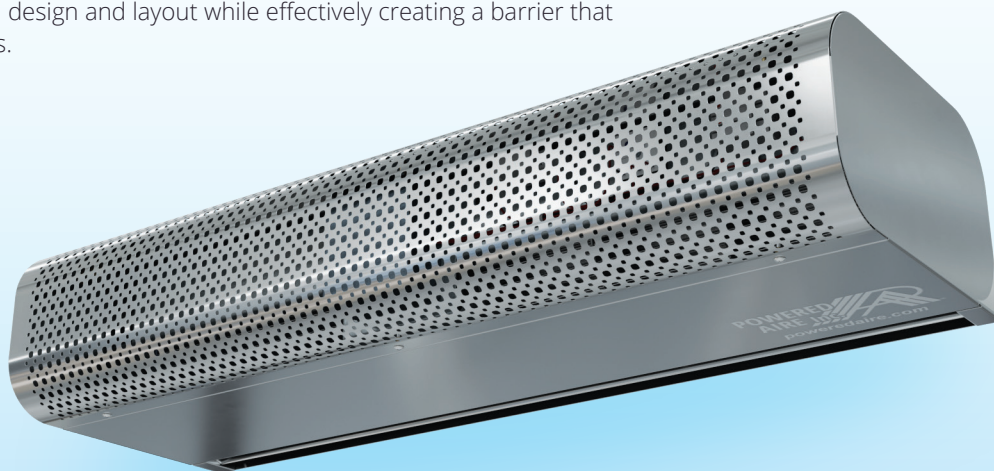
Electric.pg 115

FILTER

½" Cleanable

FINISHES

- Stainless Steel (*shown*)
- Black
- White



AT A GLANCE

Single Incremental Widths

3' to 10'

Max Installation Height

12'

Heavy Duty Motors

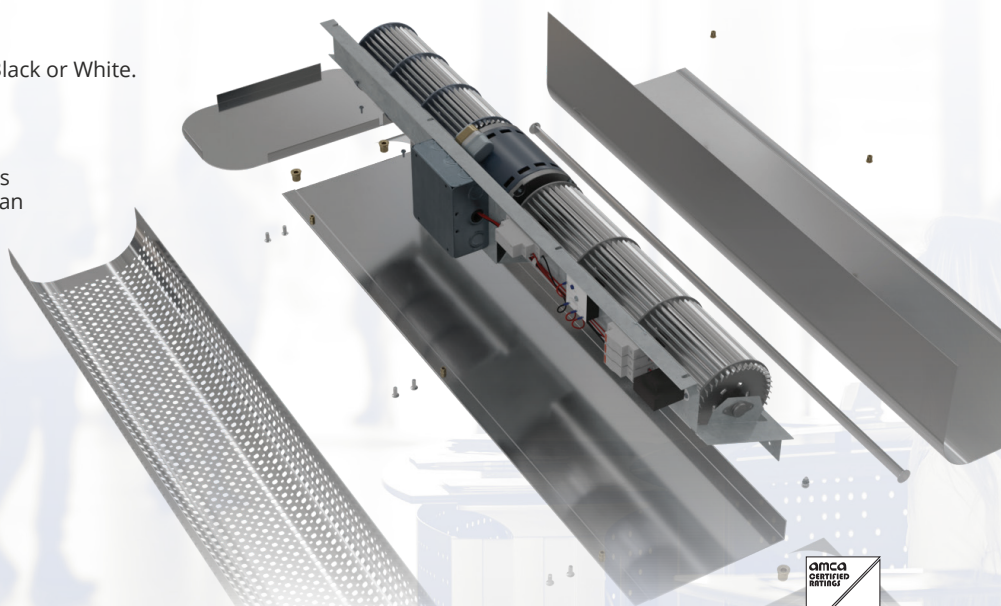
1/5 HP

KEY DESIGN FEATURES

- Three finishes to choose from. Stainless Steel, Black or White.
- Heavy duty 1/5 HP motors. 1625 rpm each.
- Custom pattern curved intake.
- The motor/blower plate comes out of the unit as an entire piece and the electrical connections can be made on the top or sides of the unit for more versatility.
- May be used as an exception for vestibules.

RECOMMENDED CONTROLS

- ON / OFF switch
- Magnetic door switch for activation
- Time delay relay



► EVE | PERFORMANCE

EVE | Performance Table

MODEL	Nozzle Width (in.)	Max. FPM at Nozzle	Avg. Outlet Velocity (FPM)	Airflow Rate (CFM)	Outlet Velocity Uniformity	Power Rating (kW)	Number of Motors	Motor HP	Weight (lbs)
EVE-1-36	35	3262	1348	984	84%	0.28	1	1/5	53
EVE-1-42	41	3269	1462	1243	84%	0.33	1	1/5	60
EVE-1-48	48	3256	1520	1474	85%	0.38	1	1/5	67
EVE-1-60	59	3218	1529	1865	84%	0.46	1	1/5	85
EVE-2-72	71	3262	1348	1968	84%	0.56	2	1/5	94
EVE-2-84	83	3269	1462	2486	84%	0.66	2	1/5	105
EVE-2-96	95	3256	1520	2948	85%	0.76	2	1/5	114
EVE-2-108	107	3242	1525	3339	84%	0.84	2	1/5	130
EVE-2-120	117	3218	1529	3730	84%	0.92	2	1/5	141

! For a unit over 10 feet long, consult factory.

EVE | Velocity Projection

DISTANCE FROM NOZZLE	40"	80"	120"	160"
EVE-1-36 Core Velocity (fpm)	1048	784	677	603

EVE | Sound Levels

Measured 10 ft. from unit in a free field based on a 1 motor unit	53 dBA
---	--------

EVE | Single Phase Motor Options

Voltages available	120	208/230	480	575
Amp draw per motor	4.4	2.0	1.1	0.9



Performance Highlight

The EVE unit is rounded for an aesthetically pleasing look and comes in various finishes to blend in with architectural designs.

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 EVE 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-701





EVE-E

LOW PROFILE



Powered Aire's Elite Vestibule Exception with electric heat, EVE-E, was developed to be used as an exception to vestibules. The unit has met all criteria per various codes and has been tested in accordance with the ANSI/AMCA 220 standard. The EVE-E merges aesthetics and performance into a fashionable, low-profile air curtain designed for front-entry applications. The EVE-E offers a stylish intake and a curved, contemporary silhouette. Available in brushed stainless steel, white powder coat or black powder coat, the EVE-E blends into a building's architectural design and layout while effectively creating a barrier that separates indoor and outdoor environments.

OPTIONS

HEATING

Unheatedpg 113

FILTER

½" Cleanable

FINISHES

- Stainless Steel
- Black (shown)
- White



AT A GLANCE

Single Incremental Widths

3' to 10'

Max Installation Height

12'

Heavy Duty Motors

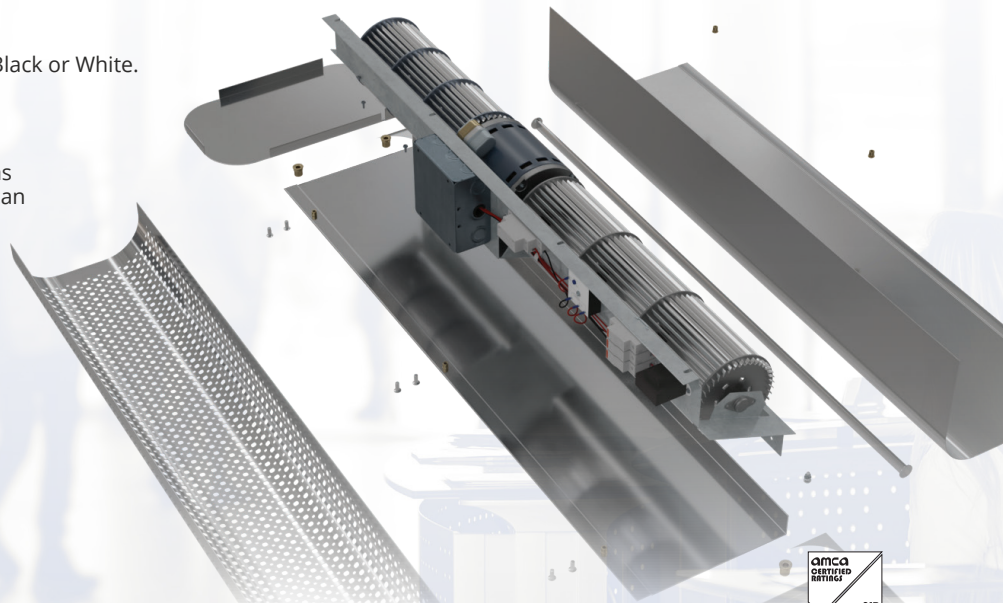
1/5 HP

KEY DESIGN FEATURES

- Three finishes to choose from. Stainless Steel, Black or White.
- Heavy duty 1/5 HP motors. 1625 rpm each.
- Custom pattern curved intake.
- The motor/blower plate comes out of the unit as an entire piece and the electrical connections can be made on the top or sides of the unit for more versatility.
- May be used as an exception for vestibules.

RECOMMENDED CONTROLS

- ON / OFF switch
- Magnetic door switch for activation
- Time delay relay
- Thermostat



► EVE-E | PERFORMANCE

EVE-E | Performance Table

MODEL	Nozzle Width (in.)	Max. FPM at Nozzle	Avg. Outlet Velocity FPM	Airflow Rate (CFM)	Outlet Velocity Uniformity	Power Rating (kW)	Number of Motors	Motor HP	Electric Heat		
									Heater kW	Temp. Rise (°F)	Weight (lbs)
EVE-1-36E	35	3262	1316	961	87%	0.27	1	1/5	8	27	59
EVE-1-42E	41	3269	1294	1100	75%	0.29	1	1/5	8	23	69
EVE-1-48E	48	3256	1386	1344	85%	0.33	1	1/5	16	38	77
EVE-1-60E	59	3218	1406	1715	83%	0.54	1	1/5	16	30	91
EVE-2-72E	71	3262	1316	1922	87%	0.54	2	1/5	16	27	102
EVE-2-84E	83	3269	1294	2200	75%	0.58	2	1/5	24	35	115
EVE-2-96E	95	3256	1386	2688	85%	0.66	2	1/5	32	38	123
EVE-2-108E	107	3242	1397	3059	83%	0.87	2	1/5	32	33	139
EVE-2-120E	117	3218	1406	3430	83%	1.08	2	1/5	32	30	152



For a unit over 10 feet long, or a non-standard electric heater, consult factory.

EVE-E | Velocity Projection

Distance From Nozzle	40"	80"	120"	160"
EVE-1-36E Core Velocity (fpm)	990	738	659	542

EVE-E | Sound Levels

Measured 10 ft. from unit in a free field based on a 1 motor unit	53 dBA
---	--------

EVE-E | Single Phase Motor Options

Voltages available	120	208/230	480	575
Amp draw per motor	4.4	2.0	1.1	0.9



Performance Highlight

The EVE unit is rounded for an aesthetically pleasing look and comes in various finishes to blend in with architectural designs.

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 EVE-E 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-702

► EVE-E | ELECTRICAL

EVE-E | AMP Draw, Circuits & Breaker Size Table

* With optional branch fusing for Single Point Power (SPP) - REQUIRES A REMOTE ENCLOSURE

^ SPP By Default

‡ High amp draws may be prohibitive. Reduced and custom kW available. Contact factory.

MODEL	AMP DRAW (Breaker Size)									
	208 / 1 / 60	240 / 1 / 60	208 / 3 / 60			240 / 3 / 60			480 / 3 / 60	575 / 3 / 60
	Circuit 1	Circuit 1	Separate Supply Circuits			Separate Supply Circuits			Circuit 1	Circuit 1
			1	2	SPP*	1	2	SPP*		
EVE-1-36E	40.5 (60)	35.3 (45)	24.2 (35)	-	^	21.2 (30)	-	^	10.7 (15)	8.9 (15)
EVE-1-42E										
EVE-1-48E	‡	‡	46.4 (60)	-	^	40.5 (60)	-	^	20.3 (30)	17.0 (25)
EVE-1-60E										
EVE-2-72E	‡	‡	47.3 (60)	-	^	42.5 (60)	-	^	21.4 (30)	17.9 (25)
EVE-2-84E	‡	‡	26.2 (35)	44.4 (60)	70.6 (90)	23.2 (30)	38.5 (50)	61.7 (80)	31.1 (40)	25.9 (35)
EVE-2-96E										
EVE-2-108E	‡	‡	47.3 (60)	43.3 (60)	90.6 (125)	42.5 (60)	38.5 (50)	81.0 (110)	40.7 (60)	33.9 (45)
EVE-2-120E										

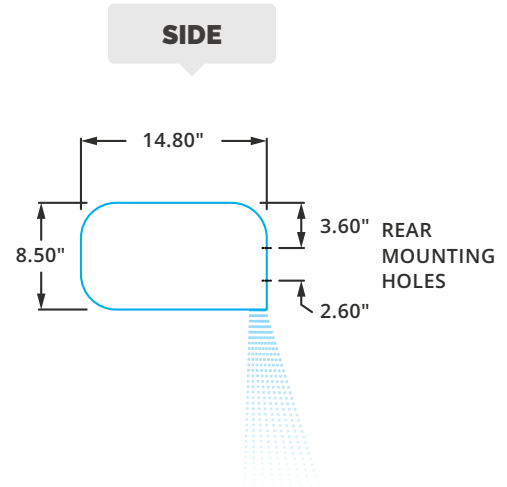


Elite Vestibule Exception Air Curtain | Entry

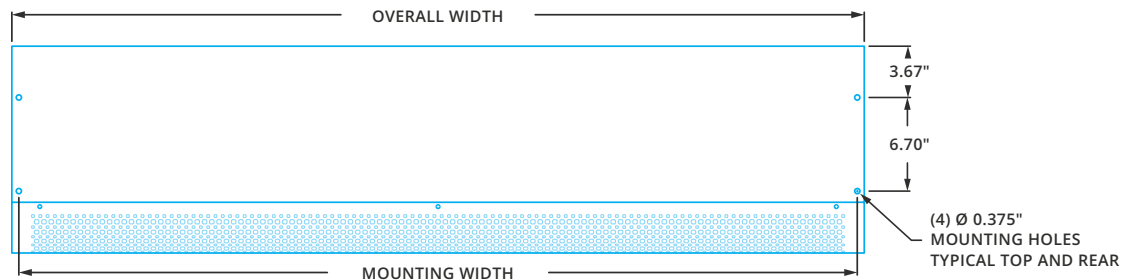
► EVE & EVE-E | MECHANICAL DETAILS & DRAWINGS

EVE & EVE-E | Mechanical Information Table

MODEL	Overall Width (in.)	Mounting Width (in.)	Nozzle Width (in.)
EVE-1-36 (E)	37	36	35
EVE-1-42 (E)	43	42	41
EVE-1-48 (E)	49	48	47
EVE-1-60 (E)	61	60	59
EVE-2-72 (E)	73	72	71
EVE-2-84 (E)	85	84	83
EVE-2-96 (E)	97	96	95
EVE-2-108 (E)	109	108	107
EVE-2-120 (E)	119	118	117



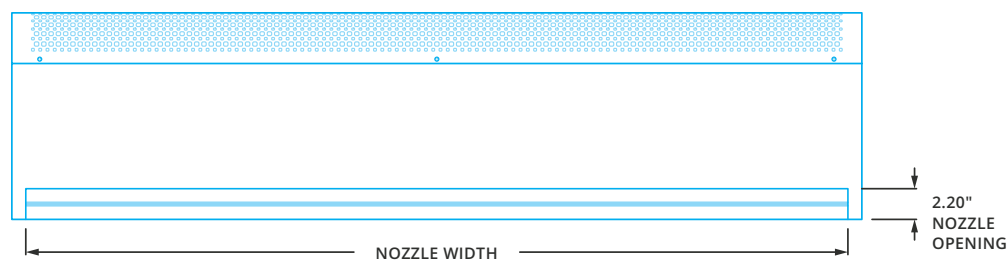
TOP



FRONT



BOTTOM



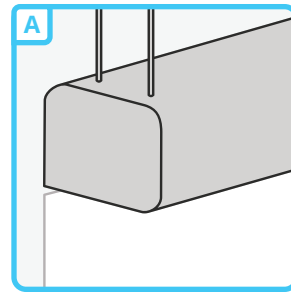
► EVE & EVE-E | INSTALLATION

! IMPORTANT

- ✓ **NOTE:** The air curtain should be mounted as close to the door header/opening as possible for maximum performance. For every one inch the bottom of the air curtain is mounted above the door header, the back side of the air curtain should be moved away from the wall 1/2 inch.
- ✓ Trained and experienced mechanic / electrician required.
- ✓ **WARNING:** Risk of electrical shock, can cause injury or death: Disconnect all remote electrical supplies before servicing.
- ✓ Units must be field wired in accordance with all applicable local, state, provincial and national codes, including wire size and materials.
- ✓ All hardware and brackets must be of sufficient strength to safely support air curtain.

A TOP MOUNT

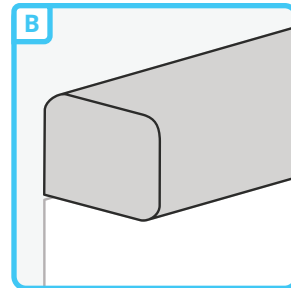
Unit has four 3/8 – 16 threaded inserts for installing one end of threaded rods. The other ends of the threaded rods can be attached to the ceiling. Threaded rod should not extend more than 3/4 inch into air curtain.



B WALL MOUNT

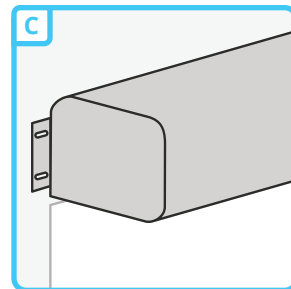
Back side of air curtain has 4 mounting holes capable of accepting four 3/8 mounting bolts or lags, with washers (use these holes only for mounting). Mark and pre-drill mounting surface accurately. A long extension and ratchet will negate the need to remove the motor/blower plate when installing. Mounting bolts or lags of sufficient size and strength should be installed and tightened through the four slots in motor/blower plate.

If motor/blower plate has to be removed, the junction box inside the unit must be removed along with any electrical switches that may be in the way. Remove 7/16 whizlock nuts holding plate in place, and slide plate out, rotating top portion of plate so it comes out first. Remember when installing plate to put bottom of plate in first and push and rotate top in last.



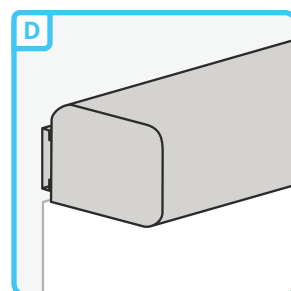
C EXTENSION BRACKETS (WALL MOUNT)

Extension brackets bolt on to the back of the unit, utilizing the 4 original mounting holes, and allowing for external mounting of unit to wall. Brackets have elongated mounting slots that extend the mounting width by 2½ to 3½ inches.



D LP123 BRACKETS

Universal mounting slots are used to lag the bracket to the wall (bolts by others). 3/8" mounting bolts (supplied) are threaded into the holes located in all four corners of the back side of the air curtain, leaving 1/2" of the bolts exposed.



Application Spotlight

VESTIBULE EXCEPTION

Vestibule Exception? Make it an Elite Vestibule Exception!

New vestibule exception rules have literally opened the door for air curtains to be used in place of costly, space-consuming vestibules in many building applications.

In a new world caused by the corona-virus pandemic which has reduced timeframes and budgets for many construction jobs, it's time to consider air curtains as a viable alternative to vestibules.

Meet Powered Aire's new **Elite Vestibule Exception (EVE)**, which was designed for use an alternative to vestibules but equally at home as an aesthetically pleasing addition to customer entrances in any retail setting.

Available in three finishes

Stainless Steel • Black • White



EVE
Unheated

EVE-E
Electrically Heated



Elite Vestibule Exception Air Curtain | Lobby



Elite Vestibule Exception Air Curtain | Entry