



ETA

The ETA air curtain has been tested in accordance with ANSI/AMCA 220 and meets the criteria to be used as an exception to costly, space-consuming vestibules. The ETA is used to stop cold or warm air from entering a climate-controlled environment and is designed for all retail, grocery, agricultural grow farms, and office entryways; as well as other applications that typically would require a vestibule. This commercial line's galvanized steel construction, galvanized steel intake screen, and 45-degree beveled edges give it a modern, pleasing look.



AT A GLANCE

Single Incremental Widths

3' to 14'

Max Installation Height

14'

Heavy Duty Motors

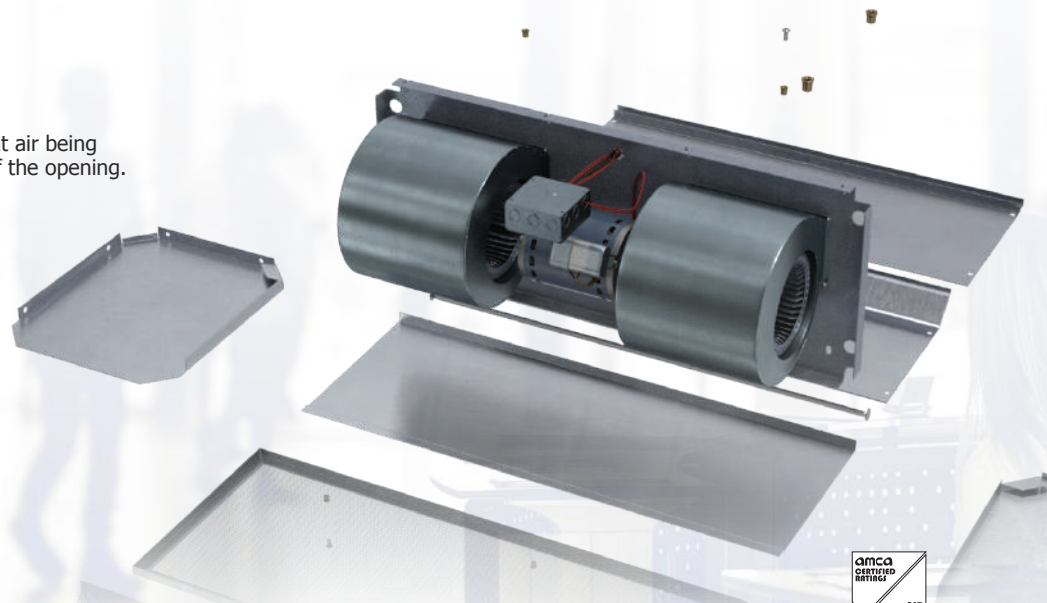
3/4 HP

KEY DESIGN FEATURES

- Galvanized steel case
- 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.
- Can be used as an exception to vestibules

RECOMMENDED CONTROLS

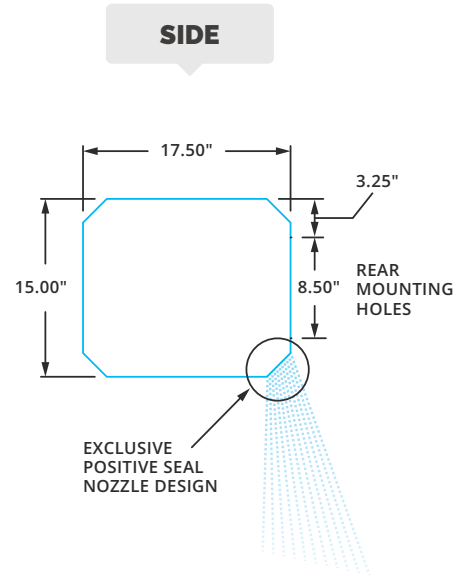
- ON / OFF switch
- Magnetic door switch for activation
- Time delay relay



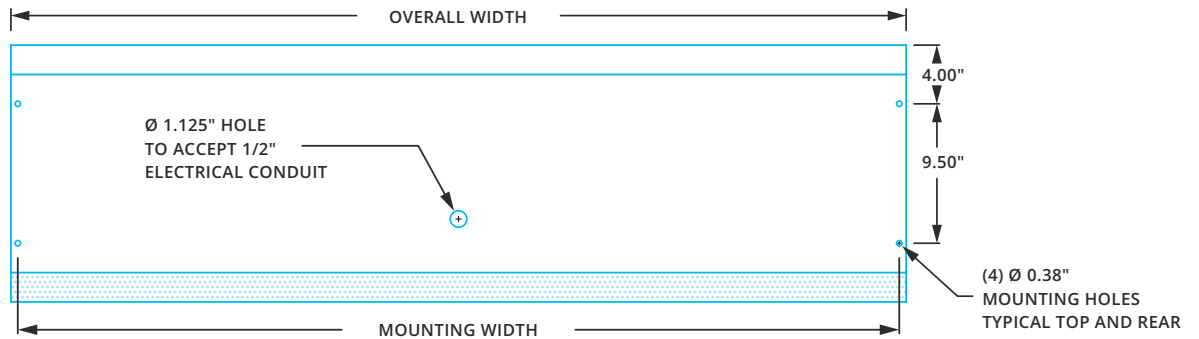
▶ ETA & ETA-E | MECHANICAL DETAILS & DRAWINGS

ETA & ETA-E | Mechanical Information Table

MODEL	Overall Width (in.)	Nozzle Width (in.)	Mounting Width (in.)
ETA-1-36 (E)	37	36	36.06
ETA-1-42 (E)	43	42	42.06
ETA-1-48 (E)	49	48	48.06
ETA-1-60 (E)	61	60	60.06
ETA-2-72 (E)	73	72	72.06
ETA-2-84 (E)	85	84	84.06
ETA-2-96 (E)	97	96	96.06
ETA-3-108 (E)	109	108	108.06
ETA-3-120 (E)	119	118	118.06
ETA-3-132 (E)	134	133	133.06
ETA-4-144 (E)	146	145	145.06
ETA-4-156 (E)	158	157	157.06
ETA-4-168 (E)	170	169	169.06



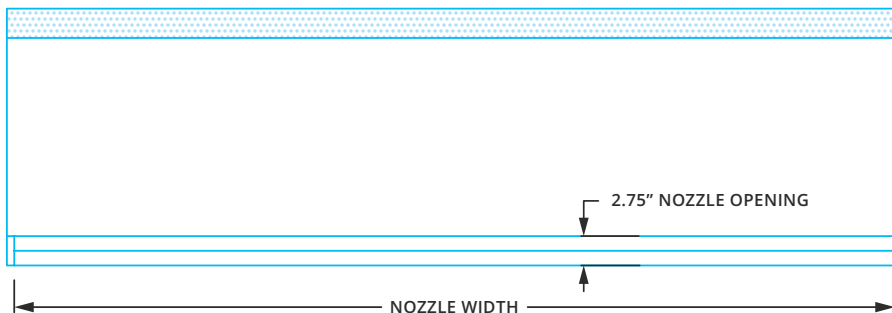
TOP



FRONT



BOTTOM



► ETA & ETA-E | INSTALLATION

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.

A 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 7/8 inch holes 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.

The electrical switches have a lever that slides in one direction to release the switch contacts from the switch body. All wires will then stay intact for easy installation when replacing the blower plate.

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 rotate top in last.

B WALL MOUNT EXTENSION PLATES

Extension plates bolt onto the back of the unit, utilizing the 4 original mounting holes. Brackets have elongated mounting slots that extend the mounting width by 2-1/2 to 3-1/2 inches.

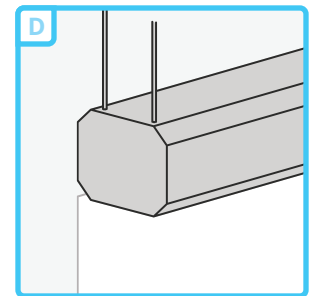
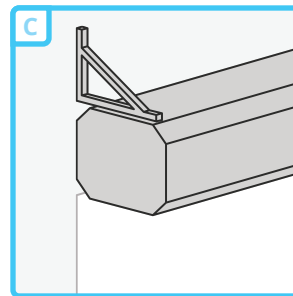
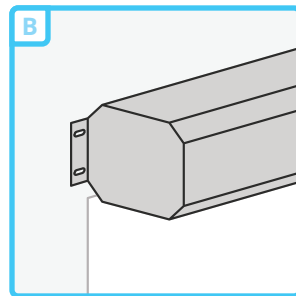
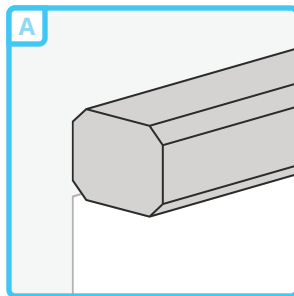
C BRACKETS

Mounting brackets (also called knee, angle or L-brackets) can be flush to the wall or constructed to account for a projection from the wall. For proper size brackets measure standoff distance from wall to back of where air curtain will be.

D 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.

* Powered Aire does not provide threaded rods



MB123 QUICK MOUNTING PLATE

Optional Installation (See page 224 for more detail)

Step 1

Attach top mounting bracket to back of air curtain using the upper mounting holes on back of unit.

Step 2

Attach the mounting bracket to the wall. Make sure there is sufficient room between mounting plate and ceiling to mount air curtain.

Step 3

Place air curtain over mounting bracket. The top and bottom brackets will lock into place supporting the weight of the air curtain. Attach the bottom bracket to the air curtain using the lower mounting holes.



When mounted, bottom of air curtain is to be flush with bottom of the door header.

