

INSTALLATION GUIDE

AeroBreeze™ Curb-Mount Solar Attic Fans

CMA series · PRO, HP, and MAX · attached panel



MODEL	PART NO. (ATTACHED PANEL)
PRO 25W	AB-2546A
HP 35W	AB-3546A
MAX 45W	AB-4546A

Part numbers end in a color code, for example AB-3546A-BLK.

In the box

-  Self-tapping screws with rubber washers
-  Roofing sealant (weatherproof)

You will need

-  Cordless drill with nut driver
-  Reciprocating saw
-  Tape measure and marker
-  Roof curb and flashing
-  7/16 in. wrench
-  Ladder and fall protection

Work safe

-  No roof work when it is wet or windy.
-  Wear safety glasses and gloves with power tools.
-  Use fall protection. Tie off yourself and your tools on steep roofs.
-  Wear slip-resistant shoes.



READ EVERY STEP BEFORE YOU START. Have all tools and materials on the roof before you cut.



FLORIDA APPROVALS: FL31962 · Miami-Dade NOA 26-0702.03 · HVHZ approved · -110 psf.
Install as the approval documents show (atticbreeze.com/resources).

01 Before You Start

For tile, metal, and other high-profile roofs that need a roof curb. For shingle roofs, use the self-flashing fan.



WARNING: Keep the solar panel covered until the install is done. In sunlight the fan can start at any time and cause injury or damage.



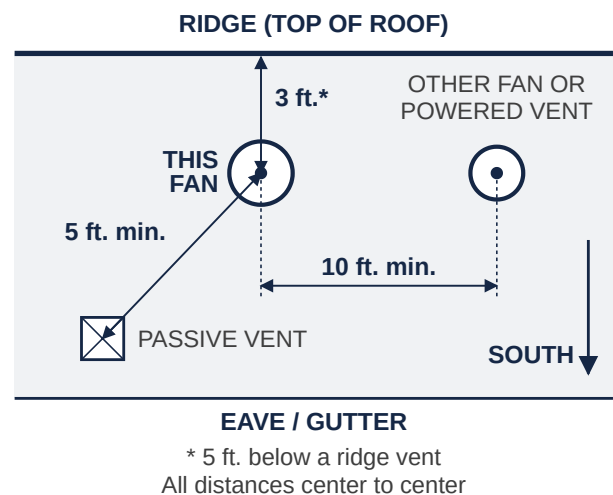
CODE COMES FIRST. Local building codes take priority over this guide. Follow local code and the roofing manufacturer's rules. A bad install can void the warranty.

02 Pick the Spot

3 ft. from the top of the ridge to the center of the fan, or locate the fan as close to the ridge as you can while still flashing it correctly.

5 ft. below a ridge vent, and at least 5 ft. from any other passive vent — box vents, turbines, gable vents.

10 ft. side to side from other fans and powered vents. They should sit at the same height on the roof as this fan.



All distances are measured center to center.

Best spot: **south** side, full sun, near the middle of the attic.

03 Check the Intake Air

The fan pulls hot air out. The same air must come in low, through soffit or other **intake vents**. The attic needs at least this much intake (net free area):

MODEL	ATTIC UP TO	INTAKE NEEDED (MIN.)
PRO 25W	2,375 sq. ft.	5.0 sq. ft. (720 sq. in.)
HP 35W	2,625 sq. ft.	5.52 sq. ft. (795 sq. in.)
MAX 45W	2,650 sq. ft.	5.52 sq. ft. (795 sq. in.)

Too little intake reduces airflow. For sizing help, see atticbreeze.com/ventilation-calculator.



Passive vent area, fan off: 120 sq. in. (0.83 sq. ft.) per fan (calculated). This is the open vent area the fan gives even when it is not running.

04 Install the Fan

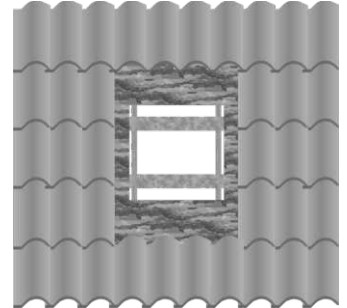


STOP: Cut the roof deck only. Never cut a rafter or other framing. If a rafter runs under the hole, leave it in place.

1

Mark and cut the hole

1. Remove the tiles or other roofing where the curb will go.
2. Find the rafters. **24 in. apart:** center between two rafters. **16 in. apart:** center on a rafter.
3. Mark a **15-1/2 x 15-1/2 in. square** around the center. Cut it out with the reciprocating saw.

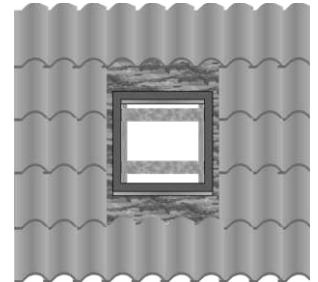


2

Install the roof curb

Build the curb **18-1/2 x 18-1/2 in.** outside and **6 in.** tall. It must hold at least **30 lb.**

1. Remove battens as needed so the curb sits flat on the deck.
2. Set the curb over the hole, square with the tiles. Fasten it to the framing or deck.
3. Put the tiles back up to the curb and secure them. Flash the curb (follow the curb maker's flashing steps).

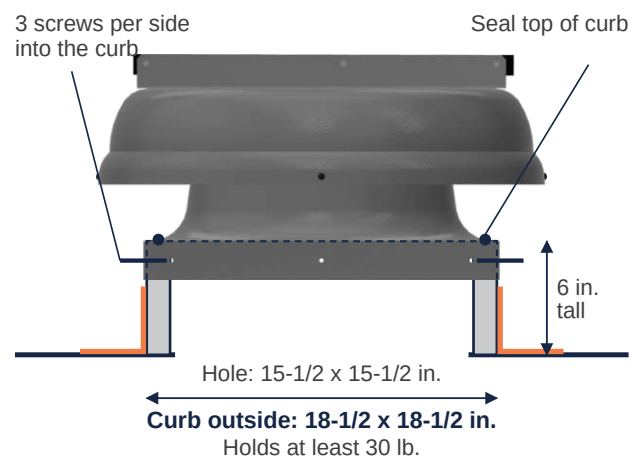


In the Florida HVHZ or the Texas TDI windstorm area, fasten the curb as the approval documents show. Local code may require other anchors.

3

Set the fan on the curb

1. Remove all packing and tape. Run a bead of sealant around the **top of the curb.**
2. Set the fan over the curb with the sticker **"INSTALL THIS SIDE TOWARDS GROUND"** pointing down the roof. On an east- or west-facing roof, you may turn the fan up to 90° so the raised panel faces south.



4

Screw it down and seal it

Drive **3 self-tapping screws on each side** through the fan base into the curb. Add sealant where needed to keep water out.

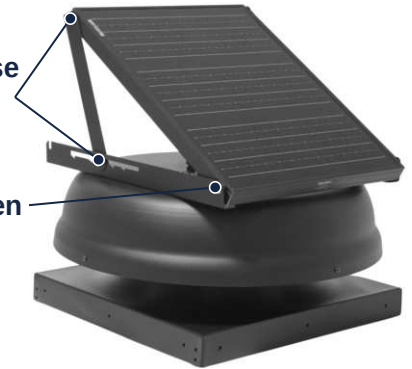
05 Adjust the Solar Panel (optional)

The panel ships flat. Leave it flat, or raise it toward the south for more sun:

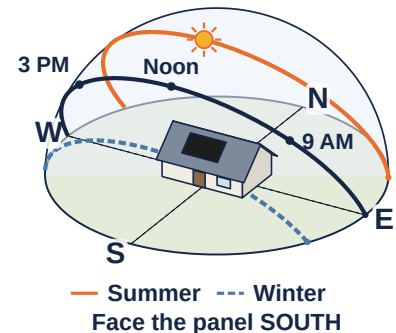
1. On each side of the panel, loosen the **2 adjusting bolts (7/16 in. wrench)**. Do not loosen the **pivot bolt** — it never needs adjusting.
2. Raise the panel to the angle you want, using the slots.
3. Retighten the 2 adjusting bolts on each side. **Do not over-tighten** — it can bend the bracket.

Loosen these
2 bolts
(7/16 in.)

Pivot bolt:
do not loosen

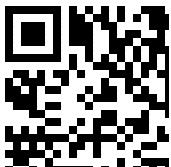


HIGH WIND: Windstorm approvals (Florida HVHZ, Texas TDI) cover the panel **lowered flat and secured**, so leave it flat in those areas. Elsewhere, as a precaution before a hurricane or other extreme wind event, lower the panel and tighten the bolts.



06 Finish Up

Take the cardboard cover off the solar panel. The fan runs on its own: **on** at about **75°F** in the attic, **off** below about **55°F**. No adjustment is needed.



Register the warranty within 90 days

Lifetime Limited Parts Warranty. Register at atticbreeze.com/warranty-registration or scan the code.

Before you leave the job

- | | |
|---|---|
| ☐ Panel cover removed | ☐ Intake vents open — not blocked by insulation |
| ☐ Every screw in and sealed | ☐ Warranty registered, or this guide left with the owner |
| ☐ Every roof or wall hole sealed | |