



POWERED AIRE INC.

www.poweredaire.com

INSTALLATION INSTRUCTIONS (Model RBT)

***Trained and experienced mechanic / electrician required**

Visible or Concealed Damage:

Claims should be made immediately to the transportation company. Do not delay filing a claim. Powered Aire will not be liable for damage claims submitted late.

Unpacking:

Carefully remove enough of crate to expose inlet screws. Remove Phillips head screws holding intake screen in place. Remove screen and filters (if provided), save screws. Use 3/8" socket and extension to remove four lag bolts. Unit is now ready for removal. Unit can be lifted by blower housing inlets. (Caution - Be careful not to grasp by blower wheels. They will bend and throw wheels out of balance, affecting safety and performance of air curtain.)

Electrical Installation:

Units must be field wired in accordance with all local and national electric codes, including wire size and materials.

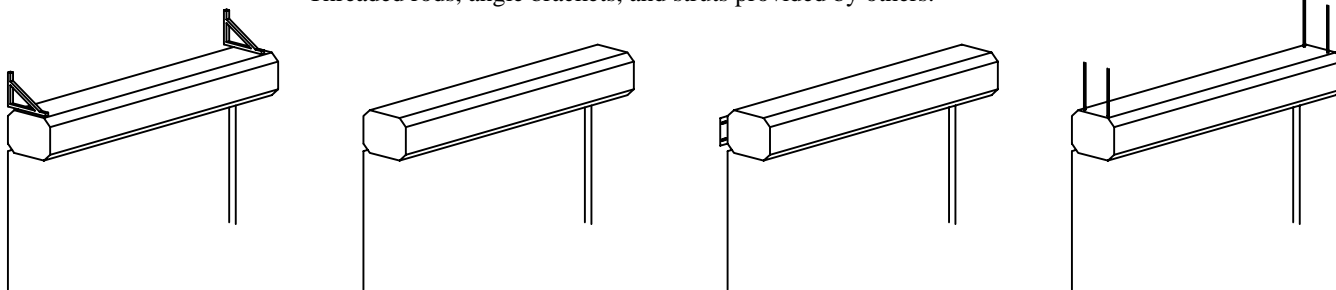
Mounting Note:

For every one inch the bottom of the aire curtain is mounted above the door header, the back side of aire curtain should be moved away from the wall 1/2 inch. The unit is to be installed such that the bottom of the air curtain is no more than 7' above the finished floor in order to comply with the NSF/ANSI 37 standard.

Mounting Option 1:

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 aire curtain.

Threaded rods, angle brackets, and struts provided by others.



For mounting over turnback doors, roll up canister doors, or other special applications consult factory.

Note: All hardware and brackets must be of sufficient strength to safely support aire curtain.

Mounting Option 2:

Wall Mount - Back side of aire 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 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.

Air Directional Adjustment:

Air curtain comes equipped with a steering vane in the discharge to allow for the outward adjustment of the discharge air direction. To adjust, first wrap a rag around the vane so it is not scratched. Grip the vane near the end on one side with a pair of channel locks and rotate it in the direction that you want the air to flow. Repeat for the other side.

Periodic cleaning of the steering vane may be required. To clean it just wipe it down with a damp rag.

