

What's a Suncourt® ThruWall Fan™?

Suncourt manufactures three **ThruWall™ Fans** also known as **Room to Room Fans**, **Through the Wall Fans**, or **Transfer Fans**. These quiet ThruWall™ Fans are mounted through the wall to transfer air from one room to another.

What would I use a Through the Wall Fan for?

You can use a Through the Wall Fan to **equalize temperature** between rooms in a variety of applications.

- Wood Stove, pellet stove, fireplace, or other **alternative heat source** owners use a Room to Room Fan to extend the effective range of their heat source to other rooms.
- Window air conditioner owners can likewise **transfer** that cool air to another room for **increased efficiency** with a Room to Room Fan.
- Homes with a new **three-season room** or an attached **greenhouse** benefit from installing a Room to Room Fan to transfer air into or out of the greenhouse or room.
- **Mini-split** users install a Room to Room Fan to **increase airflow** to a back bedroom or office that just doesn't quite get enough air to stay warm in the winter and cool in the summer.
- Commercial users install Room to Room Fans as an accessory to **PTAC (Packaged Terminal Air Conditioner)** units to transfer heated or cooled air in hotel suites, assisted living or other apartments, dorms, etc. They are more efficient than using duct extender kits and much more cost effective. They also provide a much cleaner look than clunky ductwork.

Which Suncourt® ThruWall™ Fan model is right for me?

Model	Square Footage of Room	CFM
TW108	200 – 440 sq. ft.	155-195
TW208	Up to 200 sq. ft.	40-100
TW408	100 – 275 sq. ft.	90-130

- The **Suncourt model TW408 Fan** features a 10' grounded power cord, a 3-position rocker switch that allows you to run the fan on low or high, and airflow adapters that allow you to fine tune the airflow to best suit your needs on either speed. This fan has a fixed output grille. Its telescoping housing allows you to install the fan in walls 3 ¾" to 6 ½" thick. This fan is rated at 130 CFM at its highest speed and 90 CFM at its lowest speed. The TW408 ThruWall Fan is assembled in the US and UL approved for use in both the United States and Canada.
- The **Suncourt® Model TW208P ThruWall™ Fan** is hard wired in the wall and features a variable speed control that will adjust the fan from low to high. It has a telescoping housing that allows it to be installed in walls 3 ¾" to 6 ½" thick. The grille can be manually rotated to direct airflow for maximum comfort. The TW208P ThruWall™ fan is ETL approved for use in both the United States and Canada.
- The **Suncourt® Model TW108 ThruWall™ Fan** features a 10' grounded power cord and a 3-position rocker switch, which allows you to run the fan on low and/or

high. It also has a telescoping housing that allows it to be installed in walls 3 ¾" to 6 ½" thick. The TW108 ThruWall™ fan is ETL approved for use in both the United States and Canada.

What will a ThruWall™ fan do for me?

The ThruWall™ fan is designed to move significant volumes of air from one space in a building to the next.

Why would I want to move air from one space to another?

You may want to move heat from a central heating source to an adjacent space. Similarly, you may want to move cooled air from a window air conditioner to an adjacent space. In other applications:

- Move heated or cooled air from one room to another if there is a great difference in temperatures between the two rooms. i.e. one room is nice and warm in the winter. The room next to it, located over an unheated space is always cold. Simply blow air from the warm to the cold room.
- Vent a room that always seems stuffy.
- Move air in or out of an All-Season room.
- Vent a TV or family room with a smoker.
- Balance temperature between rooms in a hotel suite or small apartment that is heated and cooled by a PTAC.

Can I reverse the direction that the air flows?

Yes, but you will need to purchase a different fan blade from Suncourt.

How much electricity does a ThruWall™ use?

The TW408 ThruWall™ uses 29 Watts on and 40 Watts on high. The TW208 uses 20 Watts on low and 36 Watts on high. The TW108 uses 29 watts on low and 40 Watts on high.

How do I control fan speed?

The ThruWall™ TW108 has a High - Low speed rocker switch with Center Off position. The ThruWall™ TW208 has a variable speed dial. The TW408 has a high-low speed rocker switch with center off position.

How quiet are the ThruWall™ Fans?

Very quiet. The sound levels are 54-55dBA on high speed. This sound level compares to the sound of a desktop computer fan. Visit our quality page for a more in-depth explanation.

How do I get power to the ThruWall™?

The ThruWall™ TW108 and TW408 have a 10-foot-long power cord with grounded plug. The ThruWall™ TW208 will need to be hard-wired into the home's electricity.

In what wall thickness can I install a ThruWall™?

The ThruWall™ installs in any wall 3 3/4" to 6.5" thick. The two halves of the fan unit telescope to accommodate different wall thickness.

Is a ThruWall™ safe?

Yes. The ThruWall™ fans have been rigorously tested to the Underwriters Laboratories Inc. (UL®) standards. The through the wall portion of the housing is made of galvanized sheet metal, the grilles are high impact flame retardant ABS. The electric motor is a Class B, Thermally Protected motor.