

Tornado Body Dryer

A Gentle, Safe In-Shower Drying Unit

Product Specifications

Electrical Requirements

The unit operates on 220v / 12.8 amps. Nominal output is 2.9 Kilowatts. The energy-efficient 220v line is needed to effectively power the motor and heating element to produce sufficient heat and air flow. Just like with your clothes dryer, a 110v line will not do the job. Most all homes in North America are capable of supporting both 110v and 220v. A GFI is required. Installation must be done by a qualified electrician.

Material / Color

The outer casing is made of high-quality, injection-molded, ABS plastic. The dryer comes standard in White, but colors are available at an added cost. Most customers get it painted themselves to ensure they get the exact color desired. Painting instructions are available upon request.

Dimensions

Unit Height: The entire assembled unit measures 82" from the bottom cap of the air tube to the top of the pod. This includes the 1" hard plastic cap that sits on top of the pod where the one meter (39") of wiring exits the pod.

Pod: The pod is in the shape of a quarter-moon and measures 13½" side-to-side and 10¼" front-to-back.

Air Tube: The top end of the tapered air tube – it's widest/deepest point – is only 4" wide.

Unit Weight: Very lightweight at only 9.2 lbs.

Shipping/Packaging

Girth = 9" + 15" x 2 = 48" + Length = 38" = Total: 86" // Shipping Weight: 15.5 lbs

Simple Installation

- 1.) The unit sits on the bottom cap of the air tube, which rests on the floor or a ledge for support.
- 2.) Though the weight of the unit is supported (see above), the unit would tip over if not held vertically in place. Therefore, a small bracket with two tabs is included with the unit. Using two screws, the bracket is mounted on the wall at pod height (approximately 78" from the floor). The pod is then lowered onto the tabs to keep the unit from tipping over. There needs to be a gap of at least an inch between the top of the pod and the shower ceiling in order to allow room to tilt the pod when hanging it on the mounting plate.
- 3.) The wiring consists of three wires — two hot and one ground without a plug. Typically, an electrician cuts a small hole in the shower ceiling immediately above where the pod will be installed and runs the wiring up through this hole into the space (usually an attic) above the shower ceiling. The electrician then runs a dedicated 220v line from the electrical panel to this location above the shower where the electrical connection to the pod's wiring is then made. As an alternative to running the wiring up through the ceiling, a small hole can be cut in the wall at a point just above the pod so that the house wiring and the pod's wiring can be connected.

Note: To move the unit to a different site: 1) disconnect the electricity (retain about three feet of wiring coming out of the pod); 2) lift the pod off the bracket; 3) unscrew the bracket; 4) take the unit, bracket and GFI device to the new location and reinstall.

The **Tornado Body Dryer** has been tested to meet worldwide safety standards and is listed on the Federal Government's **AbleData** database. **Government Purchasers:** Tornado Body Dryer, LLC is registered in **SAM** as **Tornado Body Dryer, LLC**, a (100%) **Veteran-Owned Small Business**, DUNS Number 832971522 and CAGE Code 6LF48.

Frequently Asked Questions

1. How does it work?

The top of the dryer (called the “pod”) contains a heating element, a fan and a motor to power the fan. Attached to the underside of the pod and forming the leg of the dryer is an air tube. The air tube contains holes, or air jets. When the dryer is turned on, the fan forces warmed air down the tube and out of the air jets.

The specially designed air tube causes the air to circulate in a swirling motion throughout your shower and the force of air is almost the same at the bottom as that exiting near the top, thus promoting the even drying of the entire body from head to toes.

The design of the air tube and the resulting air flow is so unique that it has been granted a patent!

2. Is it safe?

Yes! The dryer is perfectly safe to install and operate within the shower. To ensure safety, the dryer must be installed by a qualified electrician following the instructions provided, which include routing the electrical cable outside the shower area and connecting to a power source utilizing a GFI (Ground Fault Interrupter).

3. How strong is the air blowing out of the air jets?

The body dryer does not forcefully blow the water off of your body like some of the newer hand dryers, or like you are in a car wash. Rather, it produces a gentle, warm breeze that dries **you** by accelerating the evaporation of the moisture **on your body and also any fixtures within the shower enclosure**.

4. How warm is the air that comes out of the air jets?

The air coming out of the jets will feel comfortably warm, but not excessively hot. Since the dryer circulates air within the shower (warming it during the process), the actual temperature coming out of the dryer is partially dependent on the temperature of the air going in (i.e., the temperature in the room). The air coming out will be 5° to 7° F. warmer than the ambient temperature in the room.

5. How long will it take to dry my body after showering?

It takes approximately the same amount of time to reach the same degree of dryness with the Tornado Body Dryer as it does with a towel. Research indicates that a typical individual spends about 2 minutes drying off with a towel. However, they do not get totally dry after 2 minutes. This is because the towel becomes damp and continued use of the damp towel does not produce additional drying. In addition, there are some “hard to reach areas”, especially for the physically challenged, that are difficult to dry.

Users of the Tornado Body Dryer report their bodies are about 85% dry after 2 - 2 ½ minutes. Users report that a very thin layer of moisture remains after this time, but it evaporates within seconds of exiting the shower.

As would be expected, the time required by any specific user will vary depending on the body size, amount of body hair, etc. Interestingly, while the drying time is relatively short, many users report that they stay in the shower longer just to enjoy the luxurious, spa-like experience created by the warm, swirling air.

As an added benefit the Tornado Body Dryer will speed the drying of your shower enclosure and fixtures, thus reducing the chance of mold, germs, etc.

6. I have limited mobility. Will the dryer work for me?

Most definitely! The Tornado Body Dryer is ideal for those with physical challenges.

The specially designed air tube discussed in # 2 above ensures that swirling, warm air reaches most all parts of your body even if you must remain standing or seated in one position. It will even dry a chair.

7. Can the unit be installed in any shower?

We have yet to hear of a shower that could not accommodate the Tornado Body Dryer. See below for specifics:

- Size of shower The dryer takes up very little space so it will fit nicely in even the smallest of showers. If your shower is unusually large, the drying time will not be adversely impacted assuming you are able to stand and rotate to expose all parts of your body to the air jets. If you can't rotate and if your shower is unusually large, you may want to use a shower curtain to reduce the size of the drying enclosure, which promotes the circulation of air and thereby dries the user on all sides even if the user doesn't turn or remains seated.
- Shower curtain If a shower curtain is used, it should be weighted at the bottom, or made of material that will not be blown about.
- Pre-fab/fiberglass showers Potential issues with these types of showers are:
 - Corner Wall – Some (not all) of these showers have rounded corners or have seats, shelves, soap dishes, etc. molded into the corners. As a result, there may be no suitable corner in which to install the dryer. If this is the case, the dryer can be installed on a non-corner wall inside or just outside of the shower.
 - Height – The dryer is 82" tall. Most of the pre-fab showers are between 75" - 80" tall. This is not a problem. The mounting bracket and dryer pod can simply be attached to the wall above the top of the shower cabinet. In some cases, a block of painted wood or plastic will need to be inserted behind the pod so that the dryer will extend out from the wall such that the air tube will clear the top ledge of the shower cabinet and extend down the wall.

8. Can the unit be used with a bathtub or walk-in tub instead of a shower?

It certainly can, but the way it is installed will differ from the typical in-shower installation.

The body dryer is designed to be installed on a wall that allows the dryer to be flat up against the wall from top to bottom, and come to rest on the floor. Bathtubs and walk-in tubs typically have ledges, or rims around the top of the tub and these ledges/rims will not allow for a head to toe installation flat against the wall. However, this can easily be overcome.

- The most obvious solution is to install the dryer on a wall just outside of the tub.
- As an alternative, a block of painted wood or plastic can be attached to the wall and the body dryer's mounting bracket and pod would be affixed to the block, thereby allowing the air tube to clear the ledge/rim and extend straight down into the tub (tub water in the air tube is OK).

9. Is the body dryer energy-efficient and environmentally friendly?

Absolutely! The use of low wattage components coupled with the unique air circulation system keeps power (wattage) requirements to a minimum. Nominal output is 2.9 Kilowatts and the body dryer only costs about \$.02 per use. (That's a mere 2 cents.) Our tests indicate the Tornado Body Dryer consumes 70% - 90% less energy compared to washing/drying towels. Not only is the dryer energy efficient, it also helps protect the environment (and saves more money) by eliminating the water and polluting detergent used to wash towels.

10. What maintenance is required?

There is no maintenance required other than ensuring the air intake and air jets remain clear of obstructions. The motor, heating element and fan are all contained in the sealed pod. The pod should **never** be opened and the components are not to be tampered with.

11. Is the body dryer reliable? / Is there a warranty?

The body dryer is an extremely reliable, proven product with thousands having been sold and being used daily all over the world for over 15 years. Reliability is so high that we provide an amazing Ten-Year Warranty for our residential customers.

12. How do you turn it on and off?

The unit comes with a pressure-activated (bellows) switch that can be placed on the shower floor for foot activation, or mounted on the wall for activation by hand, shoulder, etc. The switch provides three positions (off, low-speed and high-speed).

13. Does the dryer have a timer?

The drying time for each user in the household will be different. Some may require 2 minutes, while others may require 3 minutes. Some users may even want to keep the dryer on longer than needed just to enjoy the soothing experience. Another factor is that some users may wish to keep the dryer on after using it to help dry the shower enclosure faster. Even if only one person in the household uses the dryer, that person may wish to have the dryer on for differing times each time it is used.

In practice, the timer would most likely need to be re-set each time the dryer is used...and think of the disappointment if the timer shuts off the dryer while the user is in a relaxed meditative state enjoying its gentle warm breeze.

Experience tells us that customers prefer to simply turn the dryer on/off rather than fuss with a timer. However, if you wish, a timer can be added. Please contact us for details.

14. Does the dryer have a thermostat?

The dryer sucks in air from the shower area, passes it over a heating element, and then blows it out of the air tube. The air coming out of the air tube will be about 5° to 7° F. warmer than the air in the shower area. In essence, the temperature of the air coming out of the air tube is determined by the temperature of the air in the shower area.

In normal use, the dryer is only on for a short period of time and would not warm the air in the room beyond a point of comfort. However, if the user does wish to use the dryer to warm the shower, the dryer can be turned on prior to showering to serve this purpose.

In summary, the thermostat in the house sets the temperature for the dryer and a separate thermostat would add cost without adding value.

15. Is there a Support Line to answer other questions I may have?

Yes, support is available during normal business hours. You may call 317-896-1111, send a fax to 317-867-3212, or send an email to support@tornadobodydryer.com.

16. How is the Tornado Body Dryer different than others?

The Tornado Body Dryer is not the only after-shower body dryer...just the best!

We have yet to hear of a shower that could not accommodate the thin Tornado Body Dryer. Compare:

- None of the other dryers can be installed directly in the shower and so require you to step out of your warm shower, drip across the slippery bathroom floor, become chilled, and dry in a separate area.
- One of the other dryers dries by blowing water off your body. The force of air is so harsh that you feel like a car in a carwash.
- With some dryers, the air blows only from above or only from below, drying only your head or only your legs much quicker than the rest of you. In contrast, the Tornado Body Dryer features a full-body length air tube with an amazing 186 air jets to dry you gently and evenly from head to toes.
- Another model takes up so much space you either need a very large shower or a good-sized space outside of the shower in which to locate the dryer. The Tornado is very slender and takes very little space.
- Certain other brands look like the Tornado Body Dryer as their outer shells are the same. The difference is inside. The **Tornado Body Dryer** is specifically assembled and wired to meet codes and operate properly in the USA. All other dryers with the same, or similar, outer shell as the Tornado Body Dryer, and its twin, the Body Dryer Ultra, are not approved and not authorized for sale in the USA. **Warning: Do not get stuck with a dryer that your electrician refuses to install because it does not meet code.**

Tornado Body Dryer, LLC

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