

# DRI-EAZ VORTEX™

## Axial Airmover Owner's Manual

Model F174, F174-BLU

LEGEND BRANDS, INC.

15180 Josh Wilson Road, Burlington, WA 98233, USA  
Phone: 800-932-3030 Fax: 360-757-7950 [www.dri-eaz.com](http://www.dri-eaz.com)

*This Dri-Eaz airmover will ventilate confined spaces or propel dry air across large open areas to aid in drying. Improve indoor air quality; remove unwanted odors. May be used with up to 125 ft. of semi-rigid ducting.*

Patents: <http://www.LBpatents.com>

### READ AND SAVE THESE INSTRUCTIONS



**WARNING!** To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.

**WARNING!** Unit must be grounded. Do not use with an extension cord. Use only on GFCI protected receptacles.

**WARNING!** Do not touch grills when unit is operating.

**NOTICE:** Keep motor dry. For indoor use only.

**NOTICE:** Unplug when not in use or when moving unit.

**NOTICE:** Do not allow children to play with or around the unit. Be sure the unit is inaccessible to children when not attended.

**NOTICE:** Always operate the unit on a stable, level surface so it cannot fall and cause injury.

**WARNING!** Do not alter or modify the product in any way. Use only replacement parts authorized by Legend Brands, Inc. Modifications or use of unapproved parts could create a hazard and will void your warranty. Contact your authorized Dri-Eaz distributor for assistance.

#### **WARNING!**

a) Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination and/or repair.

b) Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.

### BEFORE YOU BEGIN

#### **Warranty registration**

Please visit [warranty.legendbrandsrestoration.com](http://warranty.legendbrandsrestoration.com) to register your purchase. Registration allows us to better assist you with using, maintaining or servicing your equipment and to contact you in case we have important safety information concerning your Dri-Eaz product. If you determine service is required, have your equipment model, serial number and original proof of purchase available and call your distributor for assistance with obtaining a return material authorization (RMA).

### OPERATING INSTRUCTIONS

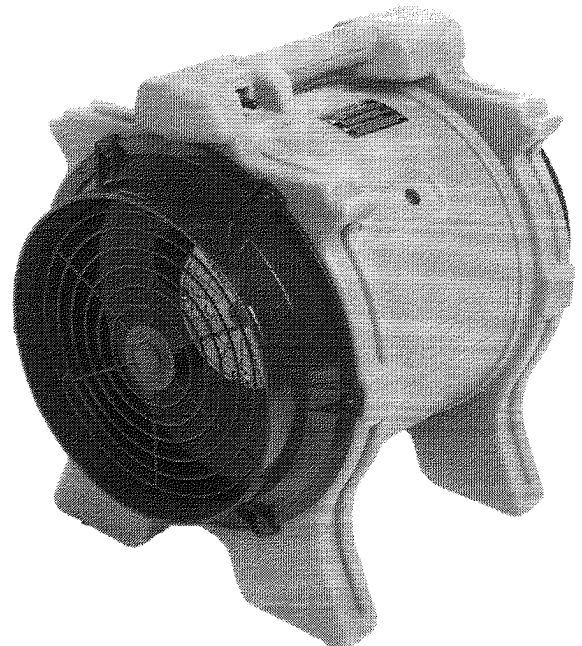
The Vortex Axial Fan is designed for air ventilation, circulation, and extraction, and for drying of wet materials and structures with airflow.

When operating the Vortex, note the airflow arrow on the housing, indicating which way the air moves. The Vortex can be used with or without attached ducting. It is useful for either positive or negative airflow, that is, blowing air into or extracting air from spaces.

Inspect the inlet and outlet screens before plugging in the unit, and remove any debris that may restrict airflow.

#### **When Used with Ducting**

Do not install ducting when the Vortex is operating. To install ducting, first note the direction of airflow. Place end of ducting over the duct ring and attach securely. Ducting to fit the Vortex is available from your Dri-Eaz distributor. Ducting has quick



connect straps plus a snap-in ring used to fasten two sections of ducting together.

### Confined Space Ventilation

Position the Vortex at least five feet away from the entry to the confined space. Place it upwind so that purged gases do not re-enter the unit. Make sure the inlet is not blocked by a wall or other obstruction.


Place the other end of the ducting in the confined space, angled so it points at an end wall. Keep it pointed at an end wall to prevent pockets of unmoving air, and to keep fresh air circulating to all locations.

## MAINTENANCE

**CAUTION:** Internal repair procedures should be performed by a qualified technician from an authorized service center.

**WARNING:** Disconnect from electrical supply prior to servicing or cleaning.

**Cord Inspection:** Inspect the electrical cord for damage. Units with damaged cords must be removed from service and repaired before use. Failure to do so may lead to electrical shock or a fire hazard.

 **WARNING:** This product and other substances that may become airborne from its use contain chemicals, including lead and phthalates, known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information, go to [P65Warnings.ca.gov](http://P65Warnings.ca.gov)

**Exterior Inspection:** Evaluate exterior components and make sure that all are in proper operating condition. Repair or replace components as required. Run the unit briefly; listen for abnormal sounds and repair as needed.

**Clean Exterior:** Clean the exterior plastic housing with mild detergent and water. For deep cleaning and a lasting, protective shine, use a vinyl cleaner and protectant.

**Motor Bearings:** The bearings on the Dri-Eaz Vortex are permanently lubricated. No oiling is necessary.

For parts and service, contact your local Dri-Eaz distributor

## SPECIFICATIONS

Power:	115 volts / 60 Hz
Amps:	7.4 amps
Dimensions (D × W × H)	18 × 15 × 19 in. 24.6 × 26.2 × 18.2 in.
Weight:	33 lbs.   15 kg
Motor rating:	1.0 hp
Fan speed:	3520 RPM
Max. static pressure:	3.0 in. H <sub>2</sub> O
Cord length:	20 ft.   6.1 m
Control:	1 speed toggle switch
Safety	UL/ULc
<i>Specifications are subject to change without notice. Some values may be approximate.</i>	

## TROUBLESHOOTING

**WARNING: ALL THE SERVICE PROCEDURES BELOW SHOULD BE EXECUTED WITH POWER OFF I.E. UNPLUGGED.**

PROBLEM	CAUSE	SOLUTION
<b>Unit does not run.</b>	Switch not turned on. No power at outlet. Circuit is overloaded and panel circuit breaker tripped. Loose wiring. Switch is broken.	Turn on switch. Check panel circuit breaker and check outlet with receptacle tester. Unload circuit and reset circuit breakers. Check wiring and tighten as needed. Replace switch.
<b>Unit runs briefly, then shuts off on overload.</b>	Intake and/or exhaust grill(s) obstructed. Excessive duct length. Motor bearing or internal motor wiring is faulty.	Clean grill(s). Shorten duct length. Replace motor.
<b>Unit runs but vibrates excessively.</b>	Dirt has built up on fan blade. Severe jolt has bent motor shaft so unit is out of balance. Fan blade is damaged.	Clean fan blade Replace motor. Replace fan blade if necessary. Replace fan blade.
<b>Unit runs but makes a scraping noise.</b>	Severe jolt has deformed motor mount so fan rubs. Severe jolt has deformed the housing.	Repair or replace the motor as necessary. Replace the housing or entire unit as necessary.
<b>Motor makes noise but fan does not turn.</b>	Severe jolt has deformed motor mount so fan rubs. Severe jolt has deformed the housing. Capacitor wire is broken or loose, or capacitor has failed. Roll pin locking fan to motor shaft is faulty.	Repair or replace the motor as necessary. Replace the housing or entire unit as necessary. Repair or replace the wires and/or the capacitor as necessary. Replace the roll pin.