

# Owner's Manual | Viking VP3000 Axial Air Mover

## *Read And Save These Instructions*

The Viking VP3000 Axial Air Mover features patent pending FOCUS™ Technology. FOCUS™ Technology revolutionizes evaporative drying by producing air velocities greater than competitive product offerings. This highly focused air flow is directed towards the restoration industry's problematic drying areas namely, carpet and pad, sub-floor, sill plate and walls. The Viking VP3000 Axial Air Mover with FOCUS™ Technology sustains these air velocities further than any other axial air mover.

The Viking VP3000 Axial Air Mover includes a 2-speed motor delivering a focused airstream of approximately 3000 cfm and a lightweight stackable enclosure designed to fit existing vehicle rigging, on-board duplex GFIC outlet, circuit breaker, and superior cord namagement.



with **FOCUS™**  
TECHNOLOGY

### **FOCUS™ Technology Features & Benefits**

<b>Focused Air Flow</b>	<ul style="list-style-type: none"><li>• Approximately 3000 CFM air flow directed where you need it. Patent pending FOCUS™ Technology directs air towards the corner of walls and floors to dry the sill plate quickly</li></ul>
<b>Power Management</b>	<ul style="list-style-type: none"><li>• Operator interface conveniently located for easy access, featuring: three-position switch, circuit breaker and GFCI outlet.</li></ul>
<b>Packaged for Use</b>	<ul style="list-style-type: none"><li>• Comes “ready-to-use” in the box.</li><li>• Unique offset handle promotes ease-of-use.</li><li>• Units interlock for ease of stacking during storage and handling.</li><li>• More pleasing sound than competitive units.</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• Weighs 2.5 lbs less than competitive units.</li></ul>
<b>Housing</b>	<ul style="list-style-type: none"><li>• Linear low density polyethylene construction.</li><li>• Unique housing and matched blade/motor result in quiet operation.</li><li>• Easily serviced.</li></ul>
<b>Long-life Motor</b>	<ul style="list-style-type: none"><li>• Low bearing temperatures increase motor life.</li><li>• Permawick® Lubrication.</li></ul>

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## READ AND SAVE THESE INSTRUCTIONS

- Do not operate the unit with a cut or frayed power cord.
- Do not unplug the unit by pulling on the cord. Grasp the plug firmly and pull it out of the wall socket or power receptacle.
- Always use a grounded outlet.
- Never operate electrical equipment in standing water.
- Never operate with the safety grills removed. Personal injury may result.
- Do not stick your fingers or other objects through the safety grills.
- Do not restrict airflow to the unit. This may cause the unit to overheat.
- Unit should never be serviced or cleaned while it is plugged in.
- Do not sit or stand on the unit or use as a shelf or table.
- Before leaving an AXIAL AIR MOVER unattended, ensure children do not have access to the equipment. Do not allow children to play with or near the unit or in its air flow.
- To reduce the risk of fire or electric shock, do not use this air mover with any solid-state speed control device.

## LIRE ET CONSERVER CES INSTRUCTIONS

- Risque de choc électrique Peut causer des blessures ou la mort. Débrancher toutes les alimentations en courant électrique à distance avant l'entretien ou le nettoyage.
- Ne pas utiliser l'appareil avec un cordon d'alimentation coupé ou effiloché.
- Ne pas débrancher l'appareil en tirant sur le cordon. Tenir la fiche fermement et la tirer hors de la prise murale ou la prise d'alimentation électrique.
- Toujours utiliser une prise mise à la terre.
- Ne jamais utiliser l'équipement électrique dans de l'eau stagnante.
- Ne jamais utiliser sans les grilles de protection. Des blessures risquent d'en résulter.
- Ne pas passer les doigts ou d'autres objets dans les grilles de protection.
- Ne pas diminuer le débit d'air arrivant jusqu'à l'appareil. L'appareil risque de trop chauffer.
- Ne pas s'asseoir ou se tenir debout sur l'appareil; ne pas l'utiliser comme étagère ou table.
- Avant de laisser un appareil aéraulique axial sans surveillance, s'assurer que les enfants n'ont pas accès à l'équipement. Ne pas laisser les enfants jouer avec l'appareil ou à proximité de l'appareil ou dans l'air qu'il projette.
- Pour réduire le risque d'incendie ou de choc électrique, ne pas utiliser ce ventilateur avec un dispositif de commande de vitesse à semi-conducteurs.

## Intended Application for VIKING VP3000

### AXIAL AIR MOVER

The VIKING VP3000 AXIAL AIR MOVER minimizes overall drying time on water restoration jobs. The VIKING VP3000 AXIAL AIR MOVER uses patent pending FOCUS Technology to maximize air velocity across floors and along walls for longer distances. By maximizing the air velocity, water evaporates more quickly from the carpet, pad, sub-floor, wall, and sill plate. We optimized the VIKING VP3000 AXIAL AIR MOVER to dry structures through rapid evaporation.

### Registrations

The Viking VP3000 Axial Air Mover conforms to UL STD 507.

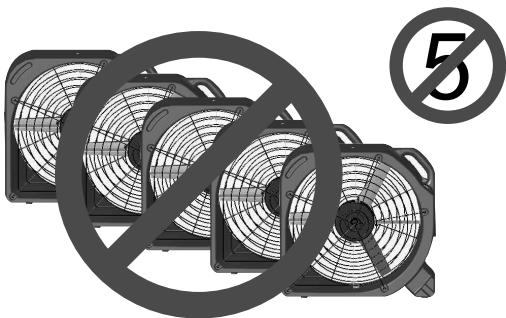
Certified to CAN/CSA STD C22.2 No. 113.

### Specifications

Size	Height: 19.5" Width: 19.9" Depth: 15.2" (intake to exhaust)
Weight	29.5 lbs; Shipping Weight-32.7 lbs
Motor	1/4 hp 1-phase 110/120 VAC 2-speed 4-pole, PSC Electric Motor.
CFM	Approximately 3000
Cord	20ft Power Cord
Current Draw	2.5 Amps
Voltage	115 VAC

### Power Requirements and Daisy-Chaining the VIKING VP3000 AXIAL AIR MOVER

The VIKING VP3000 AXIAL AIR MOVER draws 2.5 amps. The 12 amp, on-board circuit breaker will allow four (4) VIKING VP3000 AXIAL AIR MOVERS on one circuit. When daisy-chaining the VIKING VP3000 AXIAL AIR MOVER, turn on one VIKING VP3000 AXIAL AIR MOVER at a time to prevent excessive current inrush caused by four units starting at once.

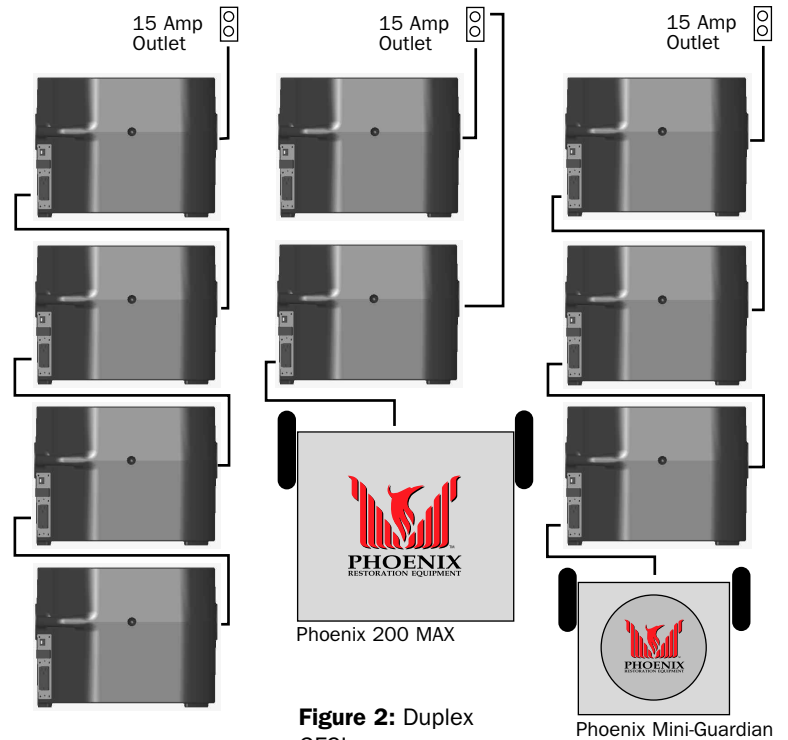


**Figure 1:** Too many AXIAL AIR MOVERS daisy-chained.

A ground fault in the VIKING VP3000 AXIAL AIR MOVER or anywhere on the circuit will cause the AXIAL AIR MOVER's GFCI to trip. After rectifying the ground fault, reset the GFCI by pressing the reset button.

### Recommended Use

Recommended use(s) of on-board duplex GFCI are show in Figure 2. NOTE: Standard 115 VAC electrical outlets.



**Figure 2:** Duplex GFCI use.

### Integrated Cord Wrap

The VIKING VP3000 AXIAL AIR MOVER features integrated cord management. Wrap the cord around the cord wrap as shown and secure the cord with the clasp on the plug.



**Figure 3:** Cord wrap

## Axial Air Mover Operation

### Operating Instructions

The VIKING VP3000 AXIAL AIR MOVER as packaged is ready to be put into service. Inspect the unit completely for any shipping damage. Place the unit on the ground. Orient the unit so the desired air flow direction is the same as the indicator in the FOCUS Technology corner on the interior of the unit. Plug the unit into a grounded outlet and select the drying mode.

### VP3000 AXIAL AIR MOVER

#### Operator Panel Features

##### 3-Position Drying Selector Switch

A 3-position drying mode selector switch is used to select the VIKING VP3000 AXIAL AIR MOVER's mode of operation. The three modes of operation are OFF, LOW or HIGH.

**OFF** - The VP3000 AXIAL AIR MOVER is not drying.

**LOW** - The VP3000 AXIAL AIR MOVER is in "Normal" Drying mode. This mode provides rapid drying and very quiet operation.

**HIGH** - The VP3000 AXIAL AIR MOVER is in "Ultra" drying mode. This mode provides rapid drying and low noise, quiet operation.

## ! WARNING

### Maintaining Your Axial Air Mover

**WARNING: Disconnect the unit from power before servicing, lubrication or cleaning. Replace the wire safety grill after servicing, lubrication or cleaning.**

#### Servicing

Before each use, the VIKING VP3000 AXIAL AIR MOVER should be inspected for damage, blocked inlet or outlet, or any excess buildup of foreign material.

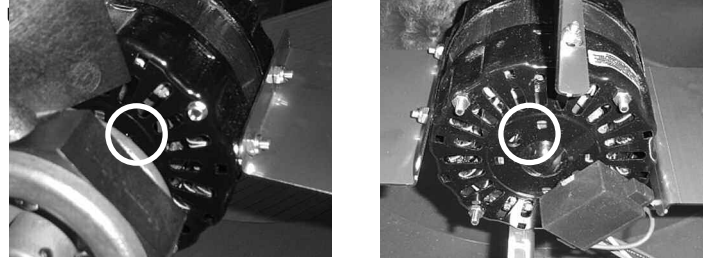
When the VIKING VP3000 AXIAL AIR MOVER is first turned on, check for excessive vibration. If the unit vibrates excessively or if blade rubs on housing turn off the unit immediately. Have a service technician inspect the unit to locate the problem.

#### Motor Lubrication

Oil the unit every six months with 3 - 4 drops of SAE 20 weight non-detergent oil. Lubricate the motor with a drop of oil after each washing.

## ! IMPORTANT

**IMPORTANT: The approved oil for lubrication is SAE 20 weight non-detergent oil, specifically designated for**



Oil hole locations. Access the oil holes by removing the protective grill(s) and turning the unit upside down. If user adds oil, it is recommended to run unit for 5-15 minutes, to remove excess oil from unit.

#### Cleaning The VP3000 Axial Air Mover

The VIKING VP3000 AXIAL AIR MOVER's housing is made of a durable and washable polyethylene. When cleaning, the use of solvents is NOT recommended.

When washing inside the unit, disconnect the unit from its power source. Clean inner barrel, grills and blade. Wipe down motor exterior with a damp cloth. If the motor gets wet during cleaning, simply allow ample time for motor to dry out completely before restarting. If you clean your device frequently perform motor lubrication more frequently as well.

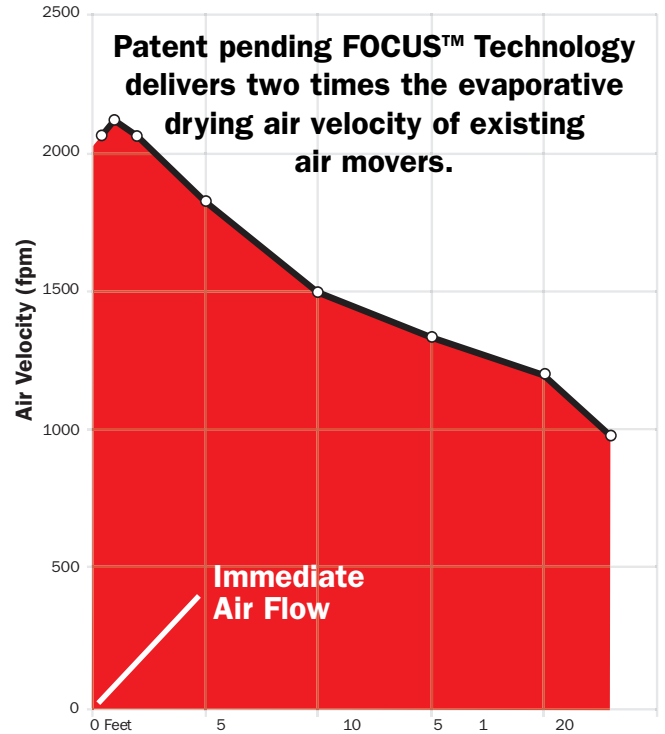
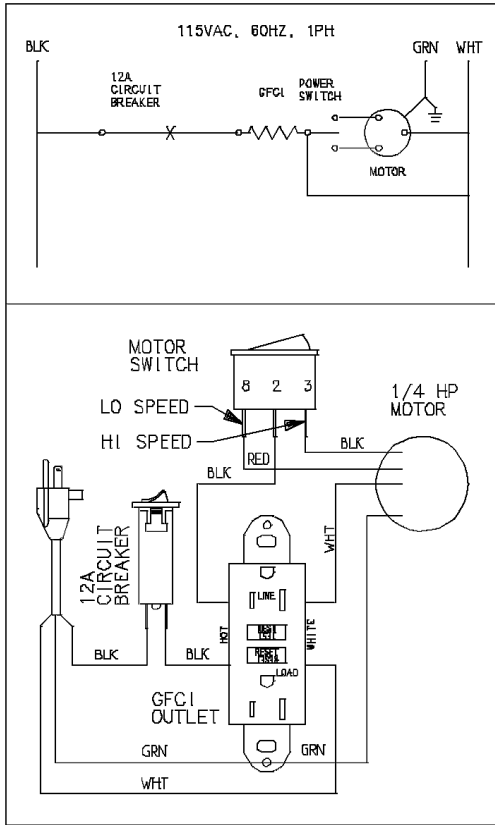
If you wash the VIKING VP3000 AXIAL AIR MOVER and do not plan to use it within 24 hours, allow the fan to drip dry for 10 minutes and then run the VIKING VP3000 AXIAL AIR MOVER for 3 - 5 minutes before storing it.

#### Replacement Parts and Optional Accessories

Contact the factory at 1-800-533-7533 to order replacement parts, or optional accessories

4025204	Switch, Rocker, On-Off-On
4025206	Grill, Safety, Intake
4025207	Grill, Safety, Exhaust
4025460	Axial Air Mover Stand
4025299	Stand Hardware Kit

# Viking VP3000 Axial Air Mover Wiring Diagram



**Figure 4:** Airflow of the PHOENIX AXIAL AIR MOVER measured 3.5" parallel to wall.

and maximizes the air velocity across the floor and along the wall when placed the at 4.5° angle from the wall.

By touching the front edge of the output side of the VIKING VP3000 AXIAL AIR MOVER against the wall and rotating the rest of the unit against the wall, the restoration professional will place the VIKING VP3000 AXIAL AIR MOVER at 4.5° due to the housing's built-in design. A VIKING VP3000 AXIAL AIR MOVER properly positioned at 4.5° will achieve high velocity airflow in the corner, on the carpet, and along the wall while also increasing air throw distances. Higher angles should only be used on the rare occasion air flow up the wall is desired. Recent testing shows the largest drying area has been produced by a 22° angle. Refer to Figure 5A.

## VP3000 AXIAL AIR MOVER Applications

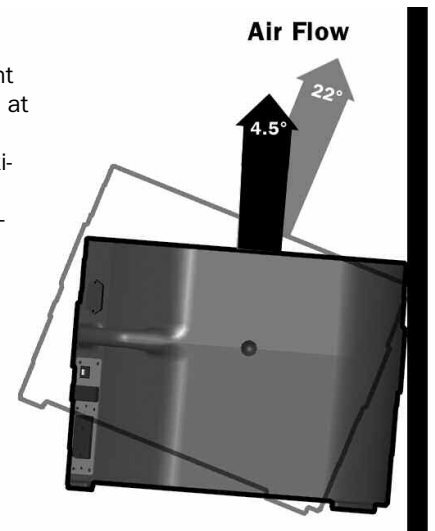
### Sizing VIKING VP3000 AXIAL AIR MOVER'S for Water Restoration Jobs

Current industry standards call for one axial air mover per 12-16 linear feet of wall space, dependent upon the Class of water damage. For commercial structures, the industry standard calls for one air mover for every 50-60 ft<sup>2</sup>.

The water restoration industry based these estimates on the air mover technology available when writing the standards. Following these equipment-sizing standards when using the VIKING VP3000 AXIAL AIR MOVER will result in dramatically faster drying times. If the restoration professional desires to merely achieve industry standard drying times, he can use fewer VIKING VP3000 AXIAL AIR MOVERS than current equipment standards allow.

### Placement of the VP3000 AXIAL AIR MOVER

Current industry guidelines suggest placing air movers at a 45° angle to wall. These guidelines apply to air movers without FOCUS Technology. FOCUS Technology allows the restoration professional to place the VIKING VP3000 AXIAL AIR MOVER at an angle more parallel to the wall. The test graph shown in Figure 4 depicts immediate air flow at the FOCUS Technology corner and delivery of two times the evaporative drying air velocity of existing units. The FOCAL POINT sustains this air flow for more than 20 feet



**Figure 5A:** Placement of FOCAL POINT shown at 4.5° and 22°. Use 4.5° position to maximize air velocity and 22° position to maximize drying area.

## VIKING VP3000 AXIAL AIR MOVER Limited Warranty

### WARRANTOR:

Therma-Stor LLC  
PO Box 8680  
Madison, WI 53708

Telephone: 1-800-533-7533

**WARRANTY:** This warranty covers VIKING VP3000 AXIAL AIR MOVERS.

**Year One** - 100% parts and labor (all components)

**Year Two** - 100% parts only (all components)

**Year(s) Three through Seven** - Only materials and workmanship of the housing are covered.

If a defect in materials or workmanship occurs within the warranty period, Therma-Stor LLC will repair or replace the defect.

**USER RESPONSIBILITIES:** Warranty service must be performed by a servicer authorized by Therma-Stor LLC. To obtain warranty service you must obtain a return material authorization (RMA). To obtain an RMA you must present proof of purchase or (lease), by use of a warranty card, original sales receipt or other reasonable and reliable means.

To obtain an RMA call Therma-Stor LLC at the above number and ask for the ThermaStor Inc. Service Department, which will then issue an RMA number and arrange for, at our option, either repair or replacement.

**FREIGHT:** Freight to and from the servicer is the responsibility of the end-user. The end-user is responsible for normal care and proper return packaging.

**LIMITATIONS AND EXCLUSIONS:** This warranty does not cover any defect, malfunction, etc. resulting from misuse, abuse, lack of normal care, corrosion, freezing, tampering, modification, unauthorized or improper repair or installation, accident, acts of nature or any other cause beyond Therma-Stor LLC's reasonable control.

If any VIKING VP3000 AXIAL AIR MOVER part is repaired or replaced, the new part shall be warranted for the balance of original warranty (but all warranty periods will be extended by the period of time, if any, that the VIKING VP3000 AXIAL AIR MOVER with FOCUS Technology is out of service while awaiting covered warranty service).

Warranty service will be performed during normal working hours.

UPON THE EXPIRATION OF THE WRITTEN WARRANTY APPLICABLE TO THE VIKING VP3000 AXIAL AIR MOVER OR ANY PART THEREOF, ALL OTHER WARRANTIES IMPLIED BY LAW, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL ALSO EXPIRE. ALL WARRANTIES MADE BY THERMA-STOR LLC ARE SET FORTH HEREIN, AND NO CLAIM MAY BE MADE AGAINST THERMA-STOR LLC BASED ON ANY ORAL WARRANTY. IN NO EVENT SHALL THERMA-STOR LLC, IN CONNECTION WITH THE SALE, INSTALLATION, USE, REPAIR OR REPLACEMENT OF ANY VIKING VP3000 AXIAL AIR MOVER OR PART THEREOF BE LIABLE UNDER ANY LEGAL THEORY FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES INCLUDING WITHOUT LIMITATION WATER DAMAGE (THE END USER SHOULD TAKE PRECAUTIONS AGAINST SAME), LOST PROFITS, DELAY, OR LOSS OF USE OR DAMAGE TO ANY REAL OR PERSONAL PROPERTY.

Some states do not allow limitations on how long an implied warranty lasts, and some do not allow the exclusion or limitation of incidental or consequential damages, so one or both of these limitations may not apply to you.

**LEGAL RIGHTS:** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.