

# ***Miniveyor Air VAF-300***

## ***Operating Manual***



# ***Miniveyor Air VAF-300 Portable Fan***



VAF Air Ltd

Congratulations on your purchase of a new Miniveyor Air VAF-300 Fan from Miniveyor Products Ltd. Your new unit was designed to provide you with maximum performance and service and comes with the advantage of a 10 year warranty upgrade on the fan body.

**To take advantage of this 10 year warranty upgrade please register at [www.vaf-air.com/register.html](http://www.vaf-air.com/register.html) within 30 days of purchase.**

The Miniveyor Air fans work on positive and negative airflow and are designed either to extract dust and fumes or blow clean air into a workspace.

Please read the Operating Manual carefully to ensure you get the most from your new unit.



REGISTER HERE

## **INSTRUCTIONS FOR OPERATION AND CARE**

Your new fan comes to you completely assembled and ready to operate. We suggest that, upon removing the unit from its carton, you carefully inspect it for any possible damage in transit. When using the fans, note the directional airflow indicator on the external shell. This is the way the air moves.

Prior to plugging in, inspect inlet and outlet screen and remove debris which may restrict airflow movement. When used with duct.

- A. Do not install duct when fan is in operation.
- B. Place duct lip over duct adaptor, secure firmly, note direction of airflow.

## **WARNING - THIS APPLIANCE MUST BE EARTHED**

The wire of this mains lead are coloured in accordance with the following code:

WHITE	-	NEUTRAL
BLACK	-	LIVE
GREEN	-	EARTH

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire coloured black must be connected to the terminal marked with the letter - L - or coloured red.

The wire coloured white must be connected to the terminal marked with the letter - N - or coloured black.

The wire coloured green must be connected to the terminal marked with the letter - E - or (earth sign).

Ensure that your machine is connected correctly.

If you are in any doubt consult a qualified electrician.

This appliance must be protected by a 15A fuse either in the plug or adaptor or at the distribution board.

Certain job site locations are classified as being hazardous because the atmosphere may contain gas vapour or dust in explosive quantities.



### **DANGER**

**THE ELECTRIC MOTOR AND FAN HOUSING ARE NOT DESIGNED FOR OPERATION IN AN EXPLOSIVE AND/OR FLAMMABLE ATMOSPHERE OF ANY CLASS OR GROUP. OPERATION OF THE FAN IN AN EXPLOSIVE OR FLAMMABLE ATMOSPHERE MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY OR EVEN DEATH.**

THE FAN MUST NOT BE UTILISED BY ITSELF FOR PORTABLE AIR VENTILATION PURPOSES. SAFETY CAN ONLY BE ASSURED AFTER MAKING THOROUGH GAS DETECTION TESTS COMBINED WITH FAN VENTILATION AND CONTINUAL RETESTING.



### **DANGER**

**ALWAYS ASSUME A CONFINED SPACE WORK AREA IS CONTAMINATED UNTIL IT HAS BEEN PROVEN SAFE FOR WORK PERSONNEL. NEVER ENTER A CONFINED SPACE WORK AREA UNTIL IT HAS BEEN THOROUGHLY TESTED WITH APPROPRIATE GAS DETECTION EQUIPMENT AND PROVEN SAFE FOR WORK PERSONNEL.**



### **DANGER**

**ALWAYS SHUT OFF THE FAN AND UNPLUG IT FROM ITS POWER SOURCE TO PREVENT ACCIDENTAL STARTING AND THE POSSIBILITY OF ELECTRICAL SHOCK AND/OR ELECTROCUTION. BE SURE THE FAN BLADE HAS STOPPED ROTATING BEFORE PLACING ANY OBJECTS OR FINGERS NEAR THE FAN GRILL.**

Keep the Fan blade clean from debris. Accumulation of dust, dirt, paint etc on the Fan blade will throw the blade rotation out of balance resulting in damage.

DO NOT PRESSURE WASH THE FAN



### **DANGER**

**DO NOT OPERATE THE FAN WITHOUT THE INLET AND OUTLET GRILL PROPERLY IN PLACE**

**Do not allow anyone to operate the equipment without first reading the Operators Manual and becoming familiar with its operation.**

## **PREPARATION**

- Become familiar with Fans operation before utilising this Fan
- Confirm the Fan is in its original, factory configuration and has not been modified in any manner.
- Minors should not be allowed to operate the Fan.
- Guard against the possibility of back related injuries. Always lift the Fan with leg muscles and not with the back.
- Periodically inspect the Fan visually for damaged or worn parts
- Know how to STOP the Fan quickly in an emergency. Turn unit off at (on/off) switch located on side of unit or unplug Fan from power supply.

## **GENERAL SAFETY INFORMATION**

These instructions are for your protection and convenience. Please read them carefully since failure to follow these precautions could result in discomfort or injury. When using electrical equipment, basic safety precautions should always be followed.

- Never put units into standing water because of the extreme shock hazard.
- Never allow air intake screens to be plugged.
- Never discharge flammable dry cleaning solvents or kerosene based chemicals through the air intake screens.
- Do not use in areas where flammable or combustible liquids such as gasoline may be present.
- Never put any object in the intake screen unless the unit is unplugged and the wheel has stopped.
- Never run the units outside when it is raining. Never store the units outdoors.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use units only with properly grounded outlet.
- Do not leave fan plugged in when not in use. Unplug from outlet when not in use and before servicing.
- Do not use with damaged cord or plug. If fan is not working as it should, because it has been dropped, damaged, left outdoors, or dropped into water, contact an Authorized Service Centre.
- Do not pull or carry by cord, use cord as a handle, close a door on a cord, or pull cord around sharp edges or corners. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug not the cord.
- Do not handle plug or cord with wet hands.
- Do not put any objects into intake screens.
- Keep hair, loose clothing, fingers, and all parts of body away from intake screens.

NOTE: Do not allow any water inside motor! If motor becomes wet for any reason, thoroughly dry before using the units. Never remove the ground from the power cord, as this may result in electrical shock. This would also void warranty.



### **DANGER**

THE FAN IS DESIGNED FOR PORTABLE AIR VENTILATION PURPOSES ONLY. THE FAN IS NOT DESIGNED FOR TRANSPORTING LIQUID OR SEMI-SOLID MATERIALS.

**THE ELECTRIC MOTOR AND FAN HOUSING ARE NOT DESIGNED FOR OPERATION IN AN EXPLOSIVE OR FLAMMABLE ATMOSPHERE. OPERATION OF THE FAN IN AN EXPLOSIVE OR FLAMMABLE ATMOSPHERE MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY OR EVEN DEATH.**

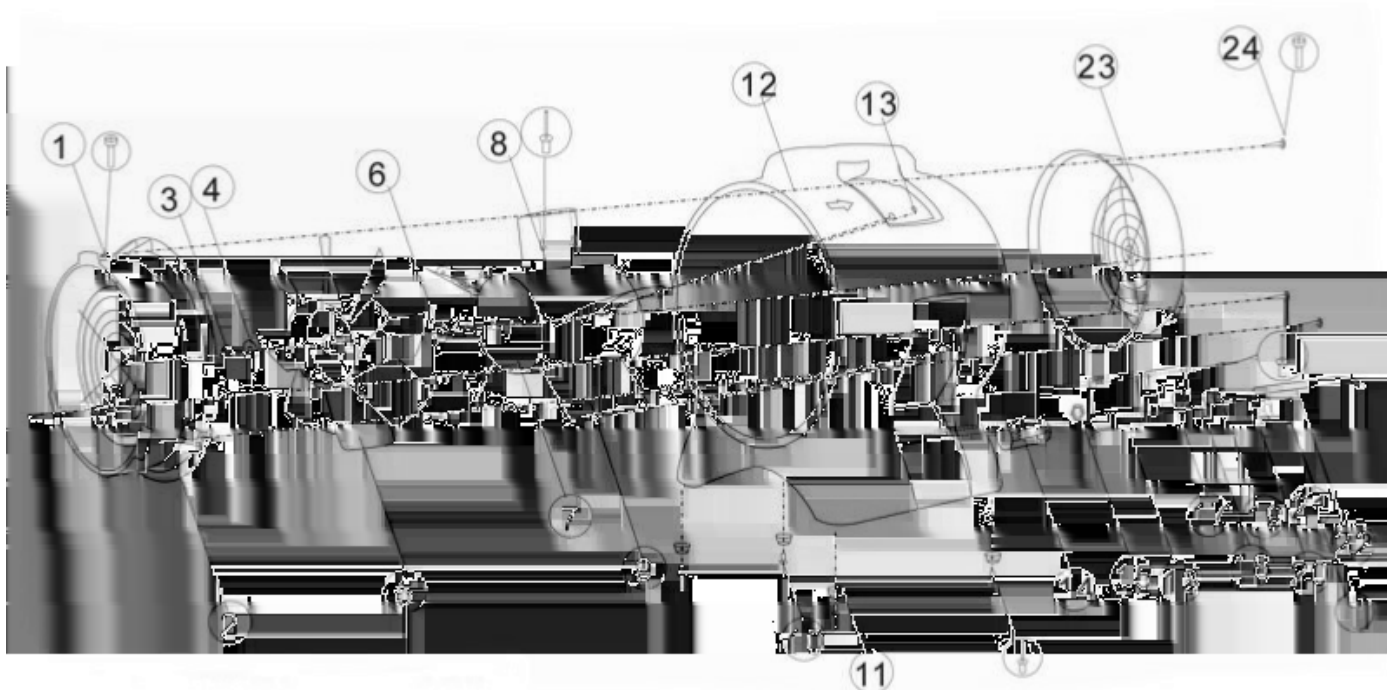
INCORRECT USE OF THE FAN CAN RESULT IN AN ELECTRICAL SHOCK AND/OR ELECTROCUTION. ALWAYS OPERATE THE FAN IN COMPLIANCE WITH HEALTH AND SAFETY AND NATIONAL ELECTRIC CODE REGULATIONS.



### **DANGER**

INCORRECT USE OF THE FAN CAN RESULT IN PROPERTY DAMAGE, PERSONAL INJURY OR EVEN DEATH. TO REDUCE THIS RESPONSIBILITY; GIVE COMPLETE AND UNDIVIDED ATTENTION TO THE JOB AT HAND. AN ENVIRONMENTS ATMOSPHERE CONSTANTLY CHANGES, THEREFORE, IT'S RECOMMENDED THAT AIR MONITORING/GAS DETECTION EQUIPMENT BE USED FREQUENTLY. IF TESTS SHOW THAT THE ATMOSPHERE QUALIFIES AS A **HAZARDOUS LOCATION** (AN AREA WHERE THE POSSIBILITY OF EXPLOSION AND FIRE IS CREATED BY THE PRESENCE OF FLAMMABLE GASES, VAPOURS, DUST, OR FIBRES) **DO NOT USE THIS FAN.** READ AND UNDERSTAND THE FOLLOWING PREPARATION ITEMS AND GENERAL SAFETY INFORMATION.

## PARTS LIST



Item	Qty.	Part Number	Description
1	3		Screw
2	1	AF-00C-M5A10354	Duct Ring, VAF 300 (12")
3	1	AF-00F-S4AN0008	3/8-16 Nylock Nut L/N 18-8ST
4	1	AF-00F-S5AN0007	3/8 Flat Washer 18-8 SS
5	1	AF-00M-P4A10238	12" Fan Blade, VAF 300
6	1	AF-00F-S5BN0204	1/16 Blade Backing Washer
7	1	AF-00M-N1A1-203(110)	1HP 110V 48 Frame Motor
	1	AF-00M-N1A1-203(230)	1HP 230V 48 Frame Motor
8	10	AF-00F-S2AN0041	Rivet 8-32 x 1/4" HWH Vane to Motor
9	5	AF-00C-M2A10361	Vane Motor Mount
10	4	GN-00C-RNN10006	Tempest/Axial Foot, Rivet
11	4	GN-00C-RNN10006	Tempest/Axial Foot, Foot
12	1	AF-00C-P4A20555	Fan Body
13	10	GN-00F-A1A10203	Aluminium Rivets
14	1	AF-00E-PNA10227(110V)	Capacitor, 3770 VAC/40UF (110V)
	1	AF-00E-PNA10227(230V)	Capacitor, 3770 VAC/10UF (230V)
15	1	AF-00E-PNN10015	Strain Relief-LQ TIGHT
16	1	AF-00C-R6A10360	Gasket, Switch Plate, VAF 300/400
17	1	AF-00C-M3A10359	Switch Plate, VAF 300/400
18	4	CF-00F-S2AN0003	#8x1/2" Phillips Pan Screw 18-8 SS
19	1	AF-00E-PNN10015	Strain Relief-LQ TIGHT
20	1	GN-00E-P3B10218	ON/OFF Rocker Switch, BLK
21	2		Screw
22	1	CF-00E-N4A10004	Power cord 20' 16/3 SJT-WA CEE
23	1	AF-00C-M5A10354	Duct Ring, VAF 300 (12")
24	3		Screw

## TROUBLE SHOOTING

Problem	Cause	Solution
Unit will not run.	<ol style="list-style-type: none"> <li>1. No power to unit.</li> <li>2. Switch not on.</li> <li>3. Switch is faulty.</li> <li>4. Faulty/broken cord or motor wire.</li> </ol>	<ol style="list-style-type: none"> <li>1. Plug unit in. Check circuit breaker.</li> <li>2. Place in "On position.</li> <li>3. Replace switch.</li> <li>4. Perform continuity check, using volt/amp meter. Repair/replace faulty broken wire.</li> </ol>
Unit runs but fan makes loud scraping noise.	<ol style="list-style-type: none"> <li>1. Unit has been severely jolted causing fan to rub against housing.</li> <li>2. Unit has been severely jolted causing housing to deform.</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove motor and replace damaged motor mounts.</li> <li>2. Replace fan blade.</li> </ol>
Unit runs but vibrates excessively.	<ol style="list-style-type: none"> <li>1. Severe jolt has bent motor shaft causing unit to be out of balance.</li> <li>2. Fan blade damaged.</li> <li>3. Dirt build up on side of fan blade.</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove and replace motor.</li> <li>2. Replace blade if necessary.</li> <li>3. Clean fan blade.</li> </ol>
Unit runs but fan does not turn.	<ol style="list-style-type: none"> <li>1. Fan is jammed against housing.</li> <li>2. Capacitor wire has broken/come loose, capacitor has failed.</li> <li>3. Housing has been damaged such that it presses on fan blade.</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove motor and replace damaged motor mounts. Replace fan blade if necessary.</li> <li>2. Repair/replace wires/capacitor as necessary.</li> <li>3. Replace housing/unit as necessary.</li> </ol>
Unit runs briefly, then shuts off on overload.	<ol style="list-style-type: none"> <li>1. Motor bearings are failing or motor has developed an internal electrical fault.</li> <li>2. Intake grill and/or exhaust grill is obstructed.</li> <li>3. Excessive duct length.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace motor.</li> <li>2. Remove obstruction.</li> <li>3. Reduce duct length to recommended maximum.</li> </ol>



### **Miniveyor Air VAF-FFD** **The Professional Choice for Floor Drying**



#### **Why do we call it a Fast Floor Dryer system?** **...because it dries a floor fast, it's that simple!**

Using downdraft technology, the NEW Miniveyor Air VAF-FFD downdraft floor dryer is capable of drying an entire room in minutes. The powerful 6 blade precision fan blade draws down warmer, drier air from the top of the room and blows it across the entire floor. The powerful vane axial fan, driven by a 1/4HP 2-Speed motor, allows 360° directed airflow, and one FFD blower can dry a typical office or room in as little as 15 minutes.



The heavy duty swivel castors provide easy mobility and position the unit at optimum downdraft height. You can stack the dryers for easy storage and transport and the in-built telescopic handled trolley allows you to move the fan from job to job with ease.

#### **The Miniveyor Air VAF-FFD system provides flexibility, versatility and durability and is perfect for use in many different environments including -**

- Hotels and Resorts
- Casinos
- Schools, Colleges & Universities
- Restaurants
- Hospitals
- Commercial Office Building & Conference Centres
- Retail Stores & Shopping Malls
- Industrial Facilities
- Restoration & Commercial Cleaning Contractors
- Equipment Rental Outlets



## ***Return and Repair Policy***

### ***DAMAGED IN FREIGHT***

Though it is a very rare occasion, shipping containers and/or their contents can be damaged during shipping. Open and inspect every package regardless of how the box looks. If the box is physically damaged and/or the parts are damaged, you must report this to the freight company or notate on the bill of lading that the box/or parts are damaged before you sign and accept the shipment. DO NOT sign the bill of lading without making a note of the damage. Freight claims cannot be resolved without this notation from the recipient. In no case can we allow for this to be longer than 7 days. We are limited to the amount of time in which we can file a claim.

### ***RETURN AUTHORISATION NUMBER (RAN)***

Before a Purchaser ships a product back to VAF Air, the Purchaser must obtain a valid RAN number following completion of a Warranty Claim Form (W3) which can be obtained from VAF Air at [sales@vaf-air.com](mailto:sales@vaf-air.com). Boxes received without an authorised RAN number will be refused. When preparing the item for return please ensure that the RAN number is clearly visible on a label on the outer covering.

Please have the following information ready when requesting a RAN number:

- Reason for return.
- Product model number and quantity to be returned.
- Serial number of each product.
- Customer name and return address.
- Company where product was purchased and when it was purchased.
- Copy of invoice and/or packing slip

### ***PACKAGING***

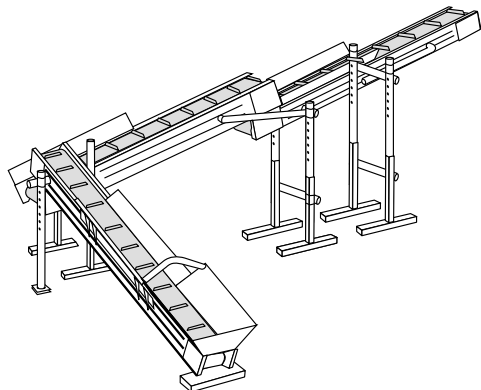
Items must be returned in its original packaging. This includes the plastic sleeve the product came in, along with cardboard separators. Original packaging will help protect the unit from freight damage upon return.

### ***NON-RETURNABLE ITEMS***

Items may not be returned to Miniveyor Products Ltd if items contain customer markings, or stickers.

The following conditions are NOT covered by our warranty and can be refused for credit or return:

- Normal "wear and tear"
- Improper packaging by customer causing freight damage.
- Failure to provide a suitable operating environment.
- Use of the product for purposes other than those for which it was designed.
- Failure to monitor or operate the product in accordance with applicable manufacturers specifications and good industry practice.
- Unauthorised attachment, removal, or alteration of any part of the product.
- Unusual mechanical, physical, or electrical stress, scratches or dents.
- Modifications or repairs done by parties other than the seller.
- Abuse, misuse, neglect, or accidental damage.



# WARRANTY

MINIVEYOR PRODUCTS LTD (MINIVEYOR) hereby warrants its product to be free from defects in material and/or workmanship at the time of delivery, as determined by the commercial invoice, to first user, subject to the conditions and limitations set forth herein.

## 1. WARRANTY

For a period of twelve (12) months following delivery to first user, or of eighteen (18) months from dispatch from the MINIVEYOR factory, whichever expires earlier, as determined by the commercial invoice, MINIVEYOR will repair or replace at its sole option, any defective part or parts, returned by Buyer FOB (INCO Terms 2000) to MINIVEYOR or its authorised distributor. Customer must pay all transportation charges, duties, and taxes associated with such return. On validation of the warranty upgrade, MINIVEYOR further warrants that for a period of ten (10) years, the cabinet/housing of axial and centrifugal air flow devices manufactured by MINIVEYOR, will be free from defects in material or workmanship, or MINIVEYOR, at its option, will repair or replace the defective part(s), provided that all labour and shipping costs for the defective part(s) shall be borne by the end-user.

## 2. LIMITATION OF LIABILITY

It is expressly understood that MINIVEYOR's liability for its product, whether due to breach of warranty, negligence, strict liability or otherwise, is limited to repair or replace, and MINIVEYOR will not be liable for any other injury, loss, damage or expense whether direct or consequential, including but not limited to loss of use, income, profit, production, increased cost of operation, spoilage of or damage to material, arising out of the sale, installation, use of, inability to use, or the repair or replacement of MINIVEYOR's products.

2.1 Any breakage or damage resulting from installation or operation or use not in accordance with MINIVEYOR's published installation and operating instructions are not covered by the warranty.

2.2 Any operation expressly prohibited in the operating instructions or any adjustment or assembly procedures not recommended or authorised in the operating or service instructions, or operation or use beyond published capacities, substitution or interchanging of parts or any alterations not approved by MINIVEYOR should void the warranty.

2.3 MINIVEYOR is not responsible for parts damaged by alteration, improper maintenance, use of non approved parts, use of product while any parts are loose, broken, out of order, unauthorised service, accident or abuse.

2.4 MINIVEYOR's warranty is voided if the serial number is removed or altered in any way.

2.5 MINIVEYOR assumes no other obligation or responsibility with respect to the products whatsoever, and no employee or representative is authorised to change or extend this warranty in any way or grant any other warranty whatsoever.

2.6 MINIVEYOR specifically disclaims any responsibility for any damages of any kind or description, whether to property or person in any way connected with or arising out of the use of its product.

2.7 Except as specifically noted in MINIVEYOR literature or bulletins, MINIVEYOR does not warrant that its product is compatible with any specific equipment or attachments.

## 3. ALTERATIONS

MINIVEYOR reserves the sole right to make alterations or modifications in the product at any time, which in their opinion, may improve the performance and efficiency of the product. They shall not be obliged to make such alterations or modifications to products already in service.

## 4. WARRANTY PROCEDURE

The selling distributor or authorised dealer shall be responsible for complete handling of customer claims under this warranty. Contact your dealer's service department and provide them with the complete serial number. They will then verify coverage and liaise with MINIVEYOR. Example: LX09019349 (10 digits, found on label to the right of the sockets or stamped under the adjacent side cover). Warranty claims cannot be considered unless the serial number is provided.

## 5. LAW

Any dispute relating to warranty would be governed by English Law and dealt with through the English courts.

## DISCLAIMER

**THE FOREGOING WARRANTY IS EXCLUSIVE AND MINIVEYOR EXTENDS NO OTHER WARRANTY INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE WHETHER WRITTEN OR ORAL EXPRESSED OR IMPLIED.**

**MINIVEYOR PRODUCTS LTD.** Manufacturer.

***www.miniveyor.com***



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VAF Air Ltd

***For Product Registration visit  
[www.vaf-air.com/register.html](http://www.vaf-air.com/register.html)***

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