



Making Your Job More Enjoyable

**VA3-F-EX** Explosion-proof Fan

**A1 A2L A2 A3**  
R290, R600a etc.



**VALUE Mechanical & Electrical Products CO., LTD**

Add: No 5, 3rd. Street, East Industrial Park, Wenling, Zhejiang, China

Tel: +86-576-86191959

Email: [value@worldvalue.cn](mailto:value@worldvalue.cn)    [www.worldvalue.cn](http://www.worldvalue.cn)



**VALUE** • Quality Assurance

# CONTENT

<b>Certifications</b> .....	01
<b>Safety Instructions</b> .....	01
<b>Outline Structure</b> .....	02
<b>Technical Parameters</b> .....	02
<b>Safety Symbols</b> .....	03
<b>Precautions</b> .....	03
<b>Additional Safety Instructions</b> .....	04
<b>Operation Steps</b> .....	05

## CERTIFICATIONS

**This fan has been tested and certified to comply with the following standards:**

- EN IEC 60079-0 : 2018
- EN IEC 60079-7:2015+A1:2018
- EN 60079-11:2012
- EN IEC 60079-15:2019
- EN ISO 80079-36:2016
- EN ISO 80079-37:2016

**Specific operating conditions:**

- 1.It shall be specified outside the device to ensure the circuit is limited to overvoltage category II as defined in EN 60664-1;
- 2.The device shall not be placed where external conditions favor the accumulation of electrostatic charges on these surfaces. Additionally, the device may only be cleaned with a damp cloth.
- 3.The device shall be operated keeping supply cables protected from mechanical damage. Cables shall not be subjected to tension or torsion.

**Warning**

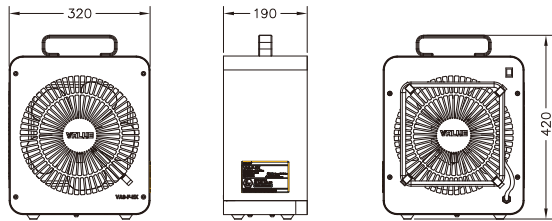
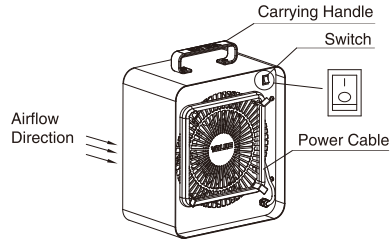
- Do not disassemble this device when used in explosive environments.
- Do not plug/unplug while powered on.

## SAFETY INSTRUCTIONS

**Usage Instructions**

To ensure long-term stable operation of this product, before operation, inspection or maintenance, please read this manual carefully to fully understand safety-related issues and operational precautions. Please carefully check whether the received product matches your order, whether accessories and user manuals are complete, and whether there is any damage during transportation. If any of the above situations are found, please immediately contact our marketing department or local distributors. Carefully reading this manual and adopting correct operation methods can ensure operational safety and extend the service life of this equipment.

## OUTLINE STRUCTURE



## TECHNICAL PARAMETERS

Model	VA3-F-EX
Voltage	220~240 V
Operating Environment Temperature	-30~50 °C
Airflow	550 m <sup>3</sup> /h
Dimensions	320x420x190 mm
Net Weight	7.5 kg

## SAFETY SYMBOLS

### ⚠ Warning

Indicates that incorrect use may cause serious personal injury or death.

### ⚠ Caution

Indicates that incorrect use may cause equipment damage, malfunction or performance degradation.

## PRECAUTIONS

### ⚠ Warning

This device is only used for auxiliary air circulation during HAC/R refrigerant recovery operations from sealed HVAC/R systems. Use for other purposes will void the warranty.

This device must only be operated by qualified personnel familiar with air conditioning and refrigeration systems!

Before starting this device, ensure effective and reliable grounding.

If using power extension cords, wires must be properly grounded, correctly connected and earthed!

When using cables, cables must include grounding wire and be reliably connected!

Power connections must be properly installed by certified electricians according to electrical equipment technical standards and wiring regulations!

When inspecting or maintaining this equipment, power must be disconnected before operation!

If the power cord provided by our company is damaged, it must be replaced with a grounded power cord or one purchased from our company!

Before powering on, check your power supply, meter, and current capacity of wires and sockets!

When used indoors, this device must ensure at least 4 forced air changes per hour or be used at least 0.5m above ground level.

This device should not be used near flammable liquids or gasoline!

This device should not be used where liquid spills may occur or near open containers holding combustible liquids!

## PRECAUTIONS

### Caution

The power supply used must match the power supply indicated on the product!

During operation, place device horizontally!

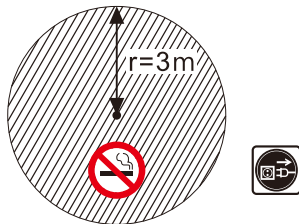
Front and rear ventilation openings must not have obstacles hindering airflow!

## ADDITIONAL SAFETY INSTRUCTIONS

### Additional Safety Instructions for Refrigeration Systems Containing Flammable Refrigerants.

Apart from existing occupational hazard procedures or other regulations that may be required locally, the following are additional safety recommendations when servicing equipment containing Class A2L, A2 or A3 refrigerants!

The service area should be marked as a temporary hazardous zone. This is a circular area with a radius of 3m centered on the refrigeration equipment, and should be posted with no smoking and other hazard signs.



• Refrigeration Equipment Under Maintenance

Zone 2

- Ensure power to the refrigeration equipment is turned off during maintenance
- When connecting service equipment (such as vacuum pumps, electronic scales, recovery devices) to power, this connection must be made outside the temporary hazardous zone.
- The factory-equipped power cord is 5m long to ensure plug connection is made in an area without flammable concentrations - do not replace the power cord arbitrarily.

## OPERATION STEPS

1. Confirm switch is at "O" position.
2. Place fan on stable surface, confirm air intake and exhaust orientation.
3. Connect power cable to socket, confirm power socket is properly grounded.
4. Set switch to "I" position, fan starts.