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› Vortice M 100/4" Wall-Mounted Bathroom Fan Instruction Manual

Vortice 11201

Vortice M 100/4" Wall-Mounted Bathroom Fan Instruction Manual

Model: 11201

INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Vortice M 100/4" wall-mounted bathroom fan. Please read these instructions carefully before use and retain them for future reference.



Figure 1: Front view of the Vortice M 100/4" wall-mounted bathroom fan.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage:

- Ensure the power supply is disconnected before installation, maintenance, or cleaning.
- Installation must be performed by a qualified electrician in accordance with local wiring regulations.
- Do not operate the fan with damaged wiring or if the casing is compromised.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The fan is designed for ventilation purposes in bathrooms and similar environments. Do not use it for other applications.
- Ensure proper ventilation in the room to avoid backflow of gases from open-flued appliances.

PRODUCT OVERVIEW

The Vortice M 100/4" is a wall-mounted axial fan designed for efficient air extraction in bathrooms. Key features include:

- **Durable Construction:** Motor support and grille are made of UV-treated ABS for longevity.
- **Efficient Performance:** High airflow, low noise level, and low energy consumption achieved through an aerofoil fan and motor support design.
- **Ageing Resistant:** Designed to withstand environmental factors over time.



Figure 2: Rear view of the fan, illustrating the aerofoil blade design.

SETUP AND INSTALLATION

Follow these steps for proper installation of your Vortice M 100/4" fan. It is recommended that installation be carried out by a qualified professional.

1. **Preparation:** Disconnect the main power supply to the installation area. Identify the desired mounting location on the wall, ensuring it is suitable for ventilation and electrical connections.
2. **Mounting:** Secure the fan casing to the wall using appropriate fasteners. Ensure the fan is level and securely attached.
3. **Ducting Connection:** Connect the fan's outlet to the ventilation ductwork. Ensure a tight seal to prevent air leakage.
4. **Electrical Connection:**
Refer to the wiring diagram below. Connect the electrical supply wires to the terminal block inside the fan unit. Ensure correct polarity (Live, Neutral) and proper grounding if applicable. The fan operates on 230-240V, 50Hz.

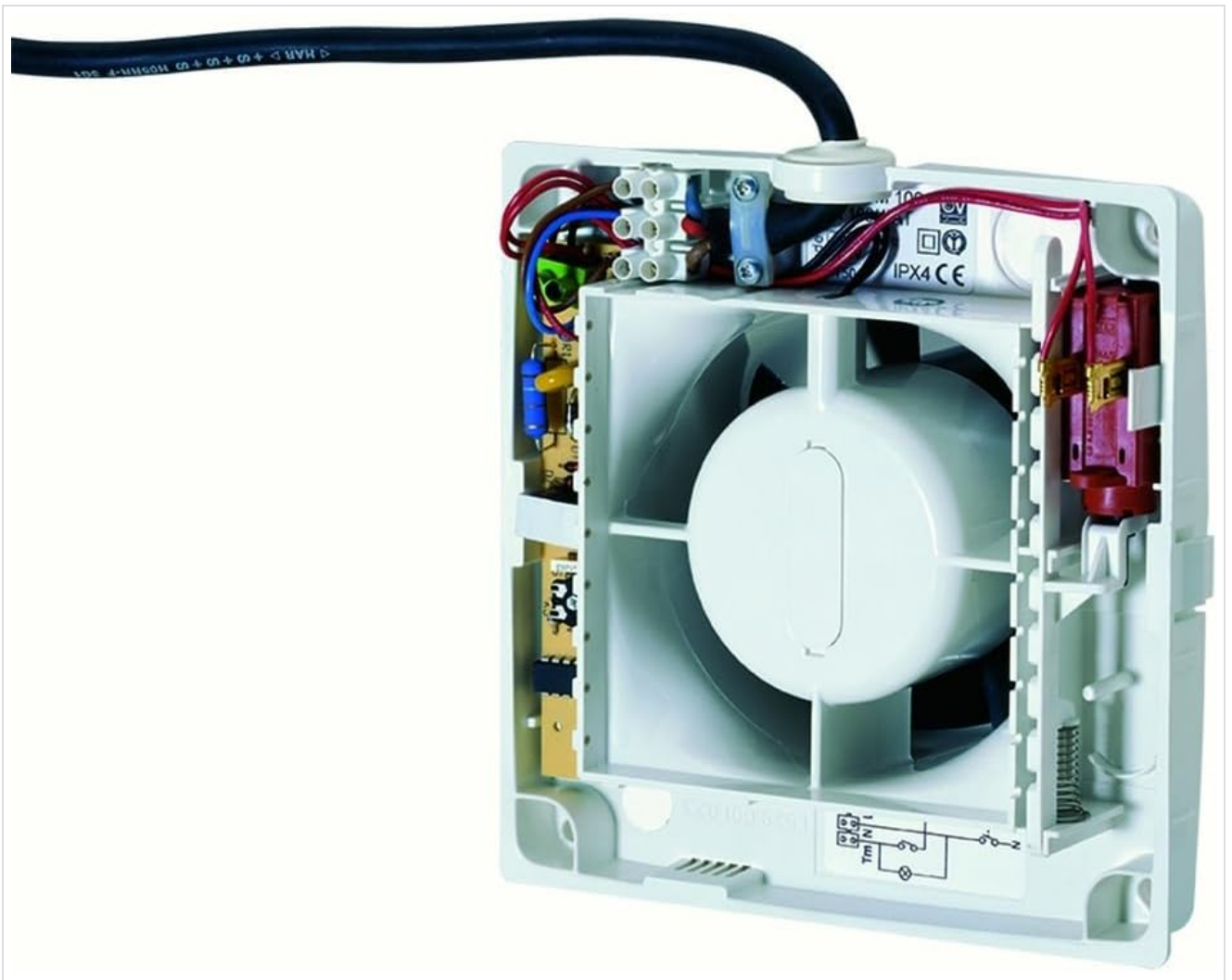


Figure 3: Internal view of the fan, showing the terminal block for electrical connections.

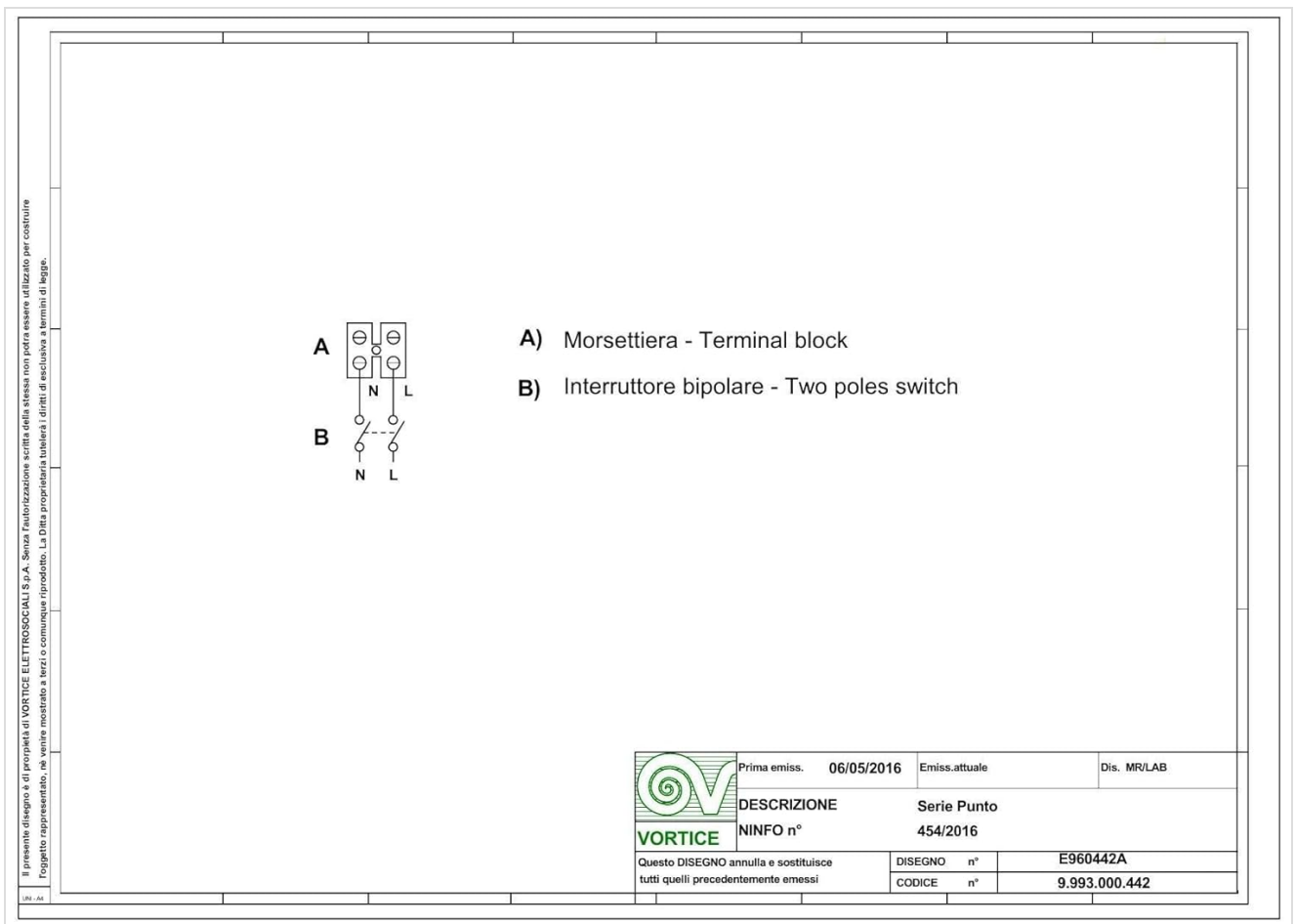


Figure 4: Wiring diagram for the Vortice M 100/4" fan. A) Terminal block, B) Two-pole switch.

- Final Checks:** Once all connections are made, replace the fan cover securely. Restore power and test the fan's operation.

OPERATING INSTRUCTIONS

The Vortice M 100/4" fan is designed for simple operation:

- **Power On/Off:** The fan is typically connected to a light switch or a separate wall switch in the bathroom. Flipping the switch will turn the fan on or off.
- **Continuous Operation:** For continuous ventilation, ensure the switch remains in the 'ON' position.
- **Intermittent Operation:** For intermittent use, activate the fan as needed, for example, during and after showering.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your fan.

1. **Power Disconnection:** Always disconnect the power supply before performing any maintenance.
2. **Cleaning the Grille:** Periodically remove the front grille and clean it with a soft, damp cloth. Do not use abrasive cleaners or solvents.
3. **Cleaning the Fan Blades:** If accessible, gently wipe the fan blades to remove dust and debris. Be careful not to bend or damage the blades.
4. **Reassembly:** Ensure all parts are dry before reassembling the fan. Securely attach the grille.
5. **Frequency:** Cleaning frequency depends on usage and environmental conditions, but generally every 3-6 months is recommended.

TROUBLESHOOTING

If you encounter issues with your Vortice M 100/4" fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply. Faulty switch. Loose wiring connection.	Check circuit breaker/fuse. Test the switch. Inspect wiring (with power off) and tighten connections.
Fan runs but airflow is weak.	Blocked grille or dirty blades. Obstruction in ductwork.	Clean the grille and fan blades. Check ductwork for blockages.
Excessive noise during operation.	Loose mounting. Debris in fan blades. Motor issue.	Ensure fan is securely mounted. Clean fan blades. If noise persists, contact a qualified technician.

If the problem persists after attempting these solutions, contact a qualified electrician or Vortice customer support.

SPECIFICATIONS

Technical specifications for the Vortice M 100/4" Wall-Mounted Bathroom Fan (Model 11201):

Attribute	Value
Brand	Vortice
Model Number	11201
ASIN	B008CCRMU
Manufacturer	VORTICE
Product Dimensions	10 x 15.9 x 15.9 cm; 600 g (approx. 4.7 x 15.9 x 16 cm)
Color	White
Electric Fan Design	Blower
Power Source	Electric Cable (230-240 V, 50 Hz, 18W)
Style	Modern
Room Type	Bathroom
Special Feature	Ageing Resistant
Recommended Uses	Ventilation
Mounting Type	Wall Mount

DATI ENERGETICI

CODICE 11201

M 100/4"

Aspiratori elicoidali da muro



ATTRIBUTO	VALORE ATTRIBUTO
Nome o denominazione commerciale del fabbricante	Vortice
Classe consumo specifico di energia per clima temperato	NA
Consumo specifico di energia SEC (clima temperato) [kWh/m2a]	-6,6
Consumo specifico di energia SEC (clima freddo) [kWh/m2a]	-20,0
Consumo specifico di energia SEC (clima caldo) [kWh/m2a]	1,0
Tipologia dichiarata dell'unità di ventilazione	UVR-U: unidirezionale
Tipo azionamento	NA
Tipo Scambiatore di calore HRS	assente
Efficienza termica del recupero di calore alla portata di riferimento HRS [%]	NA
Portata massima [m3/h]	89
Potenza elettrica complessiva assorbita dal ventilatore alla portata massima [W]	13,7
Livello di potenza sonora LWA [dB(A)]	58
Portata di riferimento [m3/s]	0,0173
Differenza di pressione di riferimento [Pa]	15
SPI [W/(m3/h)]	0,21348
Fattore di controllo CTRL	1
Tipologia di controllo	manuale
Percentuale massima di trafileamento interno [%]	NA
Percentuale massima di trafileamento esterno [%]	NA
Tasso di miscela	NA
Posizione e descrizione segnale visivo filtri	NA
Sensibilità del flusso d'aria alle variazioni di pressione a ± 20 Pa	NA
Tenuta all'aria interna/esterna [m3/h]	NA
AEC Consumo annuo di elettricità [kWh di elettricità /a]	294
AHS temperato Risparmio di riscaldamento annuo [kWh di energia primaria /a]	1397
AHS freddo Risparmio di riscaldamento annuo [kWh di energia primaria /a]	2732
AHS caldo Risparmio di riscaldamento annuo [kWh di energia primaria /a]	632

Figure 5: Technical drawing showing key dimensions (A, B, C, D, E) of the fan.



Figure 6: Energy label providing efficiency data for the fan.

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official Vortice website. For technical support or service, contact your local distributor or the manufacturer directly.

Manufacturer: VORTICE

Website: www.vortice.com (Example link, actual link may vary)