

[Manuals.plus](#) /

› [Blue Star](#) /

› Blue Star 1 Ton 5 Star Fixed Speed Window AC Model WFA512LN User Manual

Blue Star WFA512LN

Blue Star 1 Ton 5 Star Fixed Speed Window AC Model WFA512LN User Manual

Your guide to installation, operation, and maintenance.

1. INTRODUCTION

Thank you for choosing the Blue Star 1 Ton 5 Star Fixed Speed Window AC, model WFA512LN. This manual provides essential information for the safe and efficient use of your air conditioner. Please read it thoroughly before installation and operation, and keep it for future reference.

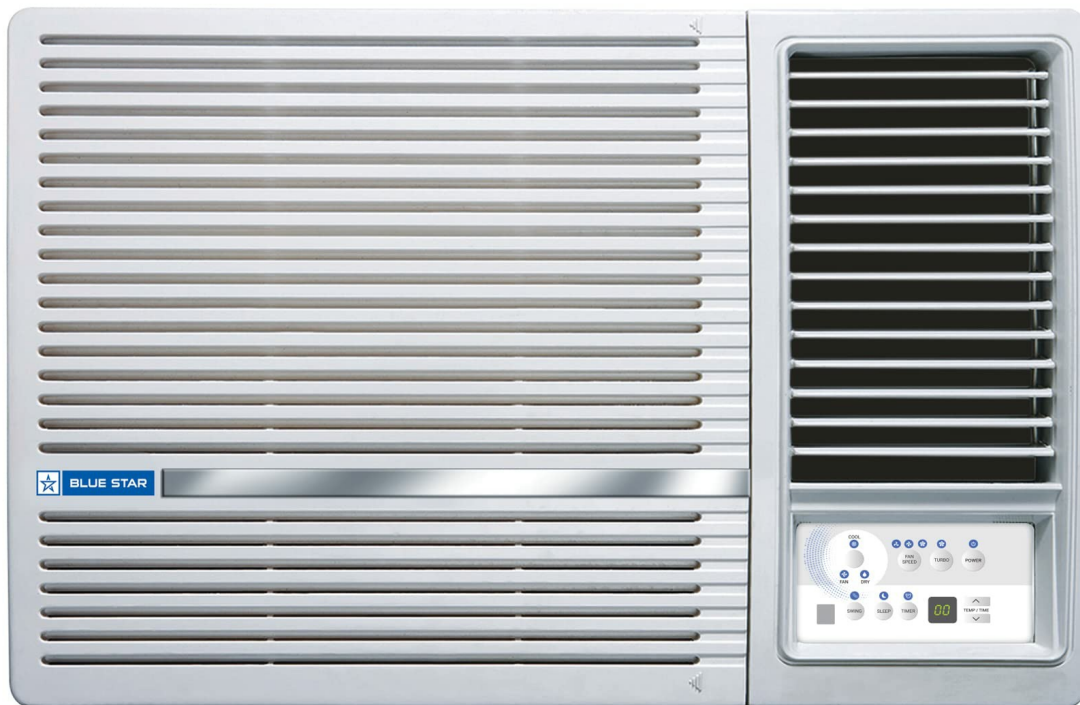


Image 1.1: Front view of the Blue Star WFA512LN Window AC.

2. SAFETY INFORMATION

To prevent injury to the user or others and property damage, the following instructions must be followed. Incorrect operation due to ignoring instructions may cause harm or damage.

- Always ensure the unit is properly grounded.
- Do not operate the AC with wet hands.
- Do not insert fingers or objects into the air inlet/outlet.
- Ensure the power cord is not damaged or modified.
- Keep flammable materials away from the unit.
- For installation and major repairs, always contact qualified service personnel.

3. WHAT'S IN THE BOX

Upon unpacking, please verify that all the following items are included:

- 1 x Blue Star Window AC Unit (Model WFA512LN)
- 1 x Remote Control
- 1 x User Manual (this document)
- 1 x Warranty Card

4. SETUP AND INSTALLATION

The Blue Star WFA512LN is a window air conditioner designed for easy integration into standard window openings. Professional installation is highly recommended to ensure proper functioning and safety.

4.1 Site Selection

- Choose a window that can support the unit's weight (approximately 48 kg).
- Ensure there is no obstruction to the airflow both inside and outside the room.
- The window opening should accommodate the unit's dimensions: 66 cm (W) x 43 cm (H) x 66 cm (D).
- Avoid direct sunlight exposure on the unit if possible, or use shading.

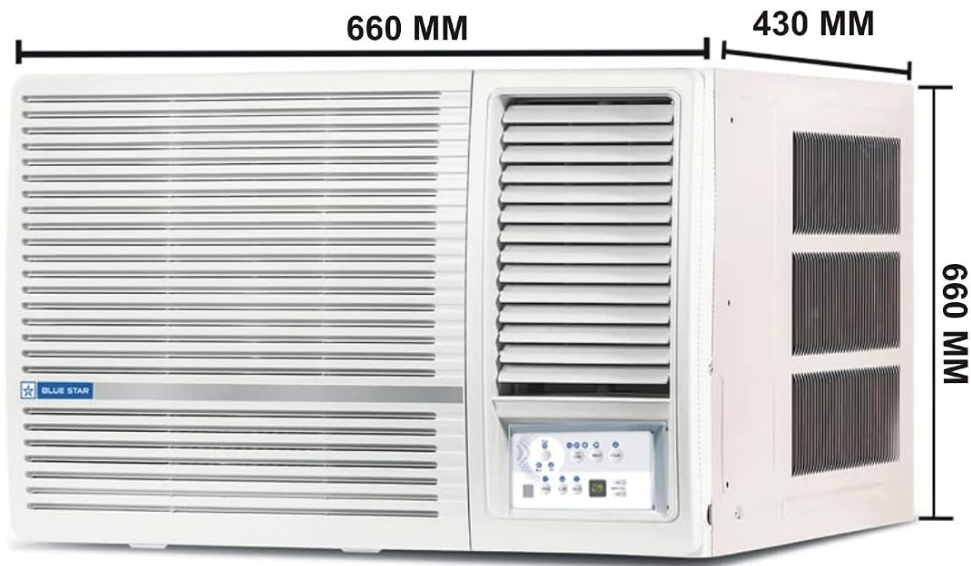


Image 4.1: Dimensions of the Blue Star WFA512LN Window AC, showing 660mm width, 430mm height, and 660mm depth.

4.2 Electrical Requirements

The unit operates on 230 V / 50Hz / Single Phase power. Ensure your electrical outlet meets these specifications and is properly grounded. Do not use extension cords or multi-plugs.

4.3 Installation Steps (Overview)

1. Prepare the window opening, ensuring it is clean and free of debris.
2. Carefully lift and place the AC unit into the window frame. Due to its weight, this step requires at least two people or appropriate lifting equipment.
3. Secure the unit using the provided mounting brackets and screws, ensuring it is level or slightly tilted outwards for proper condensate drainage.
4. Seal any gaps around the unit with insulation material to prevent air leakage.
5. Plug the unit into a dedicated, grounded power outlet.

5. OPERATING INSTRUCTIONS

Your Blue Star Window AC comes with a remote control for convenient operation. Familiarize yourself with the remote's functions.



Image 5.1: The remote control for the Blue Star WFA512LN Window AC.

5.1 Basic Operation

- **Power On/Off:** Press the **ON/OFF** button to start or stop the unit.
- **Mode Selection:** Press the **MODE** button to cycle through available modes: Auto, Cool, Fan, Dry.
- **Temperature Adjustment:** Use the **+** and **-** buttons to set your desired temperature.
- **Fan Speed:** Press the **FAN** button to select fan speeds: Auto, High, Medium, Low.

5.2 Special Features

- **Turbo Cool:** Activates maximum cooling capacity for rapid temperature reduction. Press the **TURBO** button on the remote.



Image 5.2: Icon representing the Turbo Cool feature.

- **Humidity Control (Dry Mode):** In Dry mode, the unit reduces room humidity effectively.



Image 5.3: Icon representing the Humidity Control (Dry Mode) feature.

- **Comfort Sleep:** Optimizes temperature settings during sleep for enhanced comfort and energy saving. Press the **SLEEP** button.

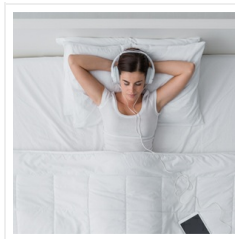


Image 5.4: Icon representing the Comfort Sleep feature.

- **Auto Restart:** In case of a power outage, the unit will automatically restart with the previous settings once power is restored.

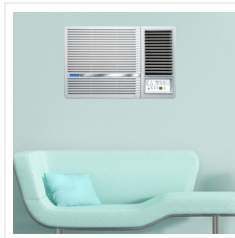


Image 5.5: Icon representing the Auto Restart feature.

- **Timer On/Off:** Set specific times for the AC to turn on or off automatically. Use the **TIMER ON** and **TIMER OFF** buttons.
- **Eco Mode:** Optimizes operation for energy efficiency. Press the **ENERGY SAVE** button.



Image 5.6: Icon representing the Energy Saver feature.

- **2D Swing:** Controls the horizontal and vertical movement of the air flaps for even air distribution.
- **Night Glow Remote Buttons:** For easy operation in low light conditions.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your air conditioner.

6.1 Air Filter Cleaning

The unit is equipped with dust filters. Clean the air filters every two weeks or more frequently if the environment is dusty.

- Turn off the AC and disconnect power before cleaning.
- Open the front panel and remove the air filters.
- Wash the filters with lukewarm water and a mild detergent. Rinse thoroughly.
- Allow filters to dry completely in a shaded area before reinstalling.

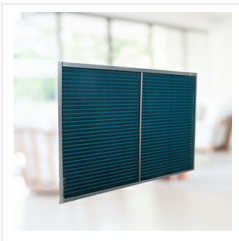


Image 6.1: Icon representing the Dust Filter feature.

6.2 Hydrophilic Blue Fins

The evaporator fins are treated with a Hydrophilic Blue coating, which resists water and dust deposits, enhancing cooling performance and durability. While these fins are self-cleaning to an extent, periodic professional cleaning of the coils is recommended.

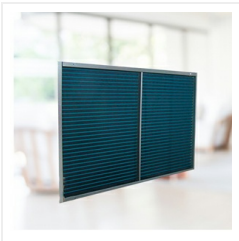


Image 6.2: Icon representing the Anti Corrosive Blue Fins for Protection.

6.3 General Cleaning

- Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the drainage path is clear to prevent water leakage.

7. TROUBLESHOOTING

Before contacting service, please check the following common issues:

Problem	Possible Cause	Solution
AC does not turn on	No power, circuit breaker tripped, remote batteries low	Check power supply, reset breaker, replace remote batteries

Problem	Possible Cause	Solution
Insufficient cooling	Dirty air filters, blocked air intake/outlet, wrong mode, room too large	Clean filters, clear obstructions, select Cool mode, ensure room size is appropriate (up to 110 sq.ft)
Water leakage	Unit not level, clogged drain pipe	Ensure unit is slightly tilted outwards, clear drain pipe
Unusual noise	Loose parts, foreign objects, unit not securely installed	Check for loose parts, remove objects, ensure secure installation

The unit features **Self-Diagnosis**, which can display error codes on the LED display. Refer to the full service manual or contact customer support for specific error code interpretations.



Image 7.1: Icon representing the Self-Diagnosis feature.

8. SPECIFICATIONS

Feature	Detail
Brand	Blue Star
Model Name	WFA512LN
Capacity	1 Ton
Energy Rating	5 Star (BEE guidelines effective from 1st July 2022)
ISEER Value	3.61
Annual Energy Consumption	708.31 units
Compressor Type	Rotary
Condenser Material	Copper
Refrigerant Gas	R32 (Environmental Friendly)
Noise Level	53 dB (Indoor Unit) / 56 dB (Overall)
Ambient Temperature Operation	Up to 52 degrees Celsius
Product Dimensions (W x D x H)	66.0 x 66.0 x 43.0 cm

Feature	Detail
Item Weight	48 Kg
Power Source	Corded Electric
Voltage/Frequency/Phase	230 V / 50Hz / Single
Filter Type	Dust Filter
Special Features	Turbo Cool, Humidity Control, Hydrophilic Blue Fins, Self-Diagnosis, Auto Restart, Comfort Sleep, Eco Mode, 2D Swing, Night Glow Remote Buttons

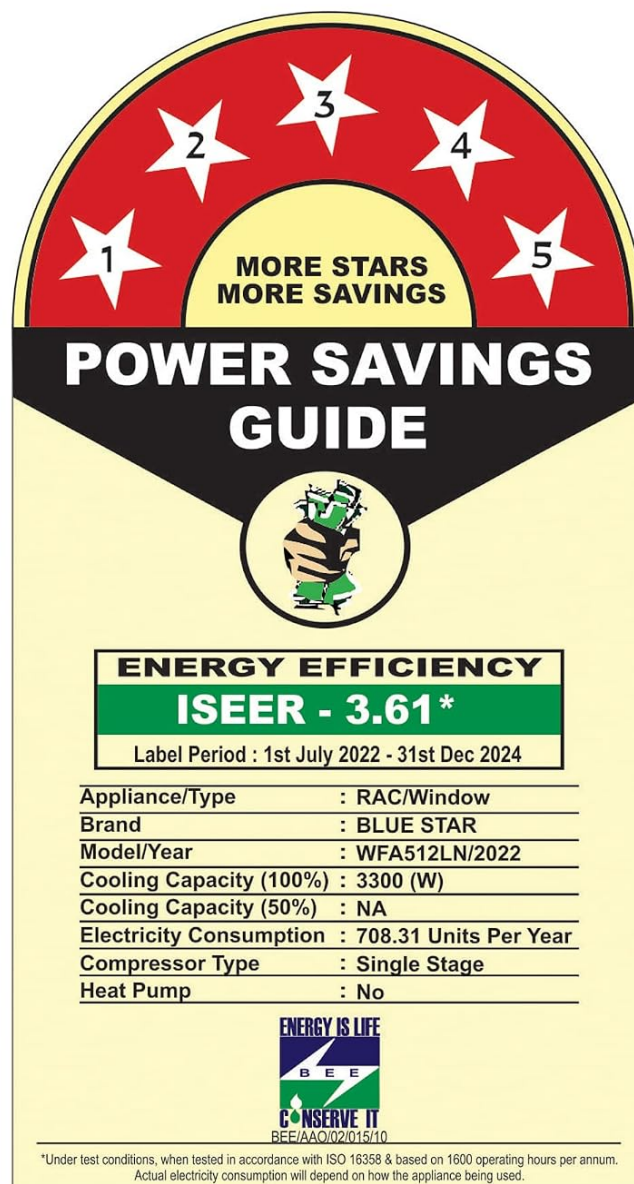


Image 8.1: Energy Savings Guide (BEE Label) for the Blue Star WFA512LN AC.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Your Blue Star Window AC Model WFA512LN comes with the following warranty:

- **1 Year Comprehensive Warranty** on the entire unit.
- **4 Years Additional Warranty** on the Fixed Speed Compressor.

Please retain your purchase receipt and warranty card for any warranty claims. The warranty covers manufacturing defects under normal use conditions.



Image 9.1: Visual representation of 100% Copper, Turbo Cool, and 5 Year Warranty on Compressor.

9.2 Customer Support

For service, technical assistance, or warranty inquiries, please contact Blue Star customer support:

- **Manufacturer:** BLUE STAR LIMITED
- **Address:** KASTURI BUILDINGS, MOHAN T ADVANI CHOWK, JAMSHEDJI TATA ROAD, CHURCHGATE, MUMBAI 400 020

- Refer to your warranty card or the official Blue Star website for the most current contact numbers and email addresses.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question