

Sharp KI-TS50

Sharp Humidifying Air Purifier KI-TS50-W Plasmacluster 25000 User Manual

Model: KI-TS50-W

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and effective use of your Sharp Humidifying Air Purifier, model KI-TS50-W. This appliance combines air purification with humidification, featuring Sharp's unique Plasmacluster 25000 technology and an efficient Coanda airflow system. Its slim design is suitable for various room sizes, including single rooms and bedrooms.



Image: The Sharp KI-TS50-W Humidifying Air Purifier positioned in a modern living space, highlighting its slim profile.

2. SAFETY INFORMATION

Please read all safety instructions carefully before operating the appliance to prevent injury or damage. Keep this manual for future reference.

- Always connect the appliance to a power outlet with the specified voltage.
- Do not block the air inlet or outlet vents. Ensure adequate space around the unit for proper airflow.
- Do not insert fingers or objects into any openings.

- Do not use the appliance near flammable gases or combustible materials.
- Unplug the power cord before cleaning, maintenance, or when not in use for extended periods.
- Keep the appliance out of reach of children and pets.
- Use only clean tap water in the water tank. Do not add chemicals or aromatic substances.

3. PRODUCT COMPONENTS

Familiarize yourself with the main parts of your air purifier:

- **Main Unit:** Houses the fan, motor, and control panel.
- **Water Tank:** Removable tank for humidification.
- **Pre-filter:** Captures large dust particles. Located on the rear panel.
- **Electrostatic HEPA Filter:** Captures fine particles.
- **Double Deodorizing Filter:** Absorbs various odors.
- **Humidifying Filter:** Used for humidification.

プラズマクラスター[®] 空気清浄機の効果

シャープ独自の空気浄化技術、
プラズマクラスター25000を搭載しています。



Image: Front view of the Sharp KI-TS50-W Humidifying Air Purifier, showing the main unit and control panel.

製品ラインナップ

	プレミアムモデル KI-TX100-H	プレミアムモデル KI-TX75-W/H	プレミアムモデル KI-TX70-W	ハイグレードモデル KI-TS50-W/H	スタンダードモデル KC-S50W-W
					
オススメ畳数 (最大適用畳数)	約23畳 (約46畳)	約18畳 (約34畳)	約16畳 (約31畳)	約13畳 (約23畳)	約13畳 (約23畳)
最大風量	10m³/分	7.5m³/分	7m³/分	5.1m³/分	5.1m³/分
イオン濃度	プラズマクラスター NEXT 50,000個/cm³	プラズマクラスター NEXT 50,000個/cm³	プラズマクラスター NEXT 50,000個/cm³	プラズマクラスター 25000 25,000個/cm³	プラズマクラスター 7000 7,000個/cm³
プラズマクラスター	空気浄化(浮遊)	●	●	●	●
	空気浄化(付着)	●	●	●	—
	除電 (静電気を抑える)	●	●	●	●
	消臭	●	●	●	●
	フェイスケア(お肌 にツヤを与える※)	●	●	●	—
	ストレスがたまりに くい環境を作る※	●	—	—	—
	集中力が維持しやす い環境を作る※	●	—	—	—
加湿量	1,100ml/h	900ml/h	750ml/h	600ml/h	500ml/h
センサー	5つ (ホコリ・ニオイ・湿度・温度・照度)	5つ (ホコリ・ニオイ・湿度・温度・照度)	5つ (ホコリ・ニオイ・湿度・温度・照度)	3つ (ニオイ・湿度・温度)	3つ (ニオイ・湿度・温度)
AIモニター	●	●	—	—	—
AI AUTOモード	●	●	—	—	—
加湿内部洗浄 フラットトレー	●	●	—	—	—
COCORO AIR (無線LAN対応)	●	●	●	—	—
ストッパー付 キャスター	●	●	●	●	—
こんな方に オススメです	・広いリビング向け ・空気浄化/加湿/お手入 れにこだわりたい方へ	・リビング向け ・空気浄化/加湿/お手入 れにこだわりたい方へ	・リビング向け ・空気浄化/加湿にこだ わりたい方へ	・リビング/寝室向け ・空気浄化 & インテリ アにこだわりたい方へ	・リビング/寝室向け ・コスパ重視！加湿も できる空清欲しい方へ

※ シャープ調べ。詳細は商品詳細ページ内の注釈を参照。

Image: Rear view of the Sharp KI-TS50-W Humidifying Air Purifier, showing the air intake and pre-filter location.

パワフル吸じん運転

10分間の最大運転でプラズマクラスターを集中的に放出し、微小な粒子の壁への付着を抑えながら吸じんします。



Image: Exploded view of the internal filter assembly, showing the pre-filter, electrostatic HEPA filter, and double deodorizing filter.

4. SETUP

Follow these steps to set up your air purifier:

- Unpacking:** Carefully remove the unit from its packaging. Retain packaging for future transport or storage.
- Filter Installation:** Open the rear panel. Ensure all filters (pre-filter, HEPA filter, deodorizing filter) are correctly installed and any protective plastic bags are removed. Close the rear panel securely.
- Placement:** Place the unit on a stable, flat surface. Ensure there is at least 20 cm of space from walls or furniture to allow for optimal airflow. Avoid placing it in direct sunlight or near heat sources.
- Fill Water Tank (for humidification):** Remove the water tank from the side of the unit. Fill it with clean tap water up to the maximum fill line. Reinsert the tank firmly into the unit.
- Power Connection:** Plug the power cord into a grounded electrical outlet.

5. OPERATING INSTRUCTIONS

The control panel on top of the unit allows you to manage various functions.

スピード循環気流

お部屋全体に風の流れが素早く行き渡るため、遠くのホコリも引き寄せて大きな背面全体の吸込口でパワフルに吸引します。

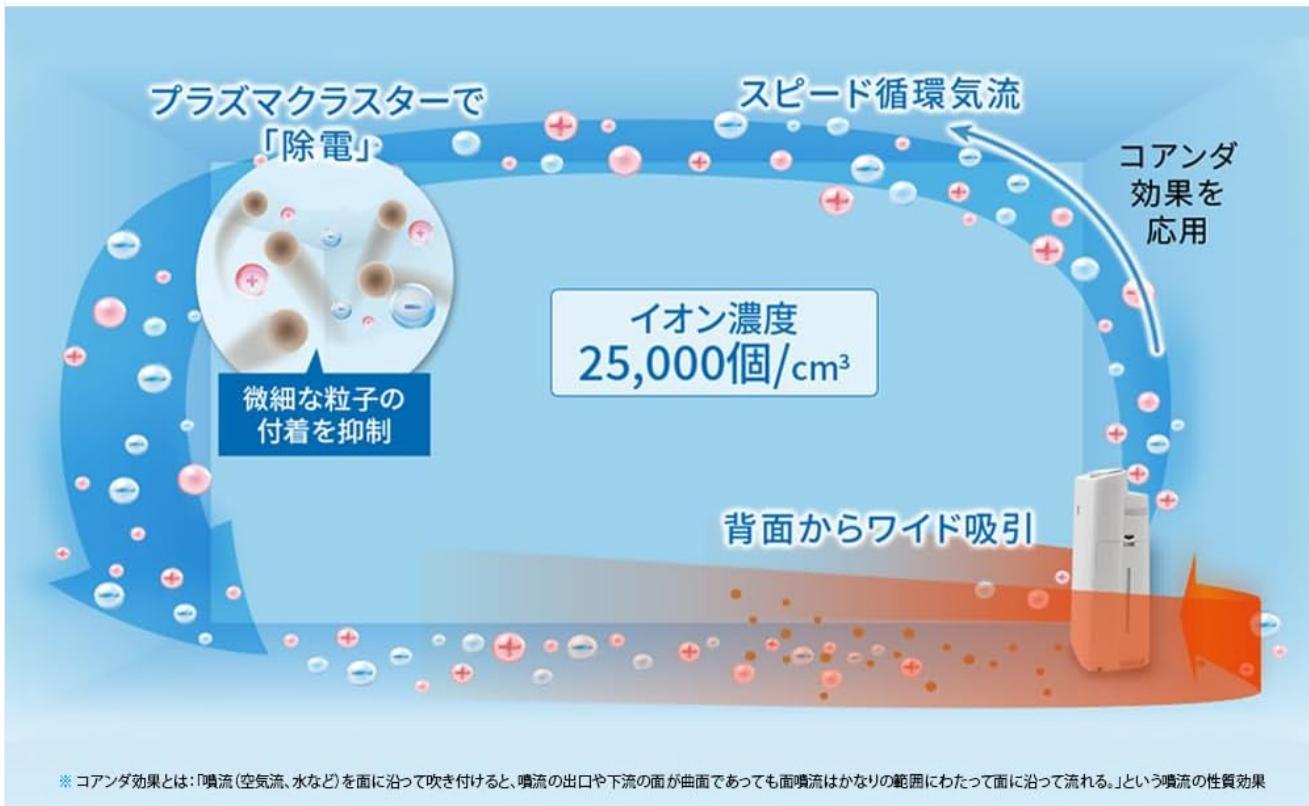


Image: Close-up of the top control panel with various buttons and indicators.

- Power On/Off:** Press the power button to turn the unit on or off.
- Mode Selection:** Cycle through available modes such as Air Purification Only, Humidifying Air Purification, and various fan speed settings.
- Fan Speed:** Adjust the fan speed (e.g., Silent, Medium, High, Auto). The 'Silent' mode operates at a low noise level, ideal for bedrooms.
- Plasmacluster Operation:** The Plasmacluster 25000 function operates automatically in most modes to release ions into the air, helping to purify and deodorize.
- Coanda Airflow:** The unit utilizes Coanda airflow to efficiently draw in dust and particles from a wide area, enhancing air purification performance.

シャープの静電フィルターは 0.1μmの粒子を99%*1*2以上捕集



* 0.3μm(マイクロメートル)の微小な粒子を99.97%以上集じんするフィルターです。

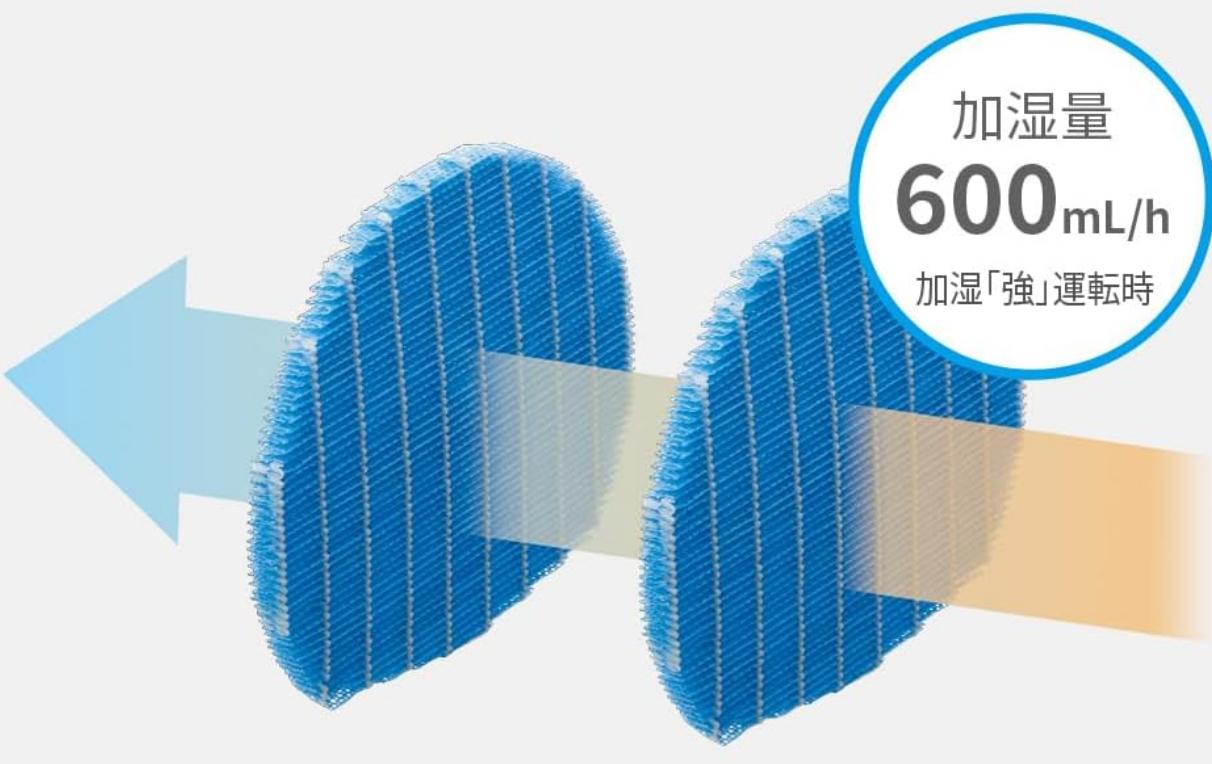
*1 シャープ調べ。使用環境や使用状況により効果は異なります。*2 フィルターの除去性能です。部屋全体への除去性能とは異なります。

Image: Diagram showing the Coanda airflow pattern, where air is circulated to draw in dust from a wide area, combined with Plasmacluster ion release.

The unit is designed for low-noise operation, achieving approximately 43dB even during strong humidification, ensuring a comfortable environment.

たっぷり加湿

風を2回通してより多くの水を気化して放出します。
加湿量が従来より約9%アップ※しました。



※ 2019年度KI-L550:550mL/hとの比較。

Image: Visual representation of humidification mist being released from the top of the unit, emphasizing quiet operation.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your air purifier.

- Pre-filter Cleaning:** The large pre-filter on the rear panel can be easily cleaned by vacuuming directly without removing the panel. Clean approximately once a month or as needed.

大容量加湿でも低騒音

加湿「強」運転時でも低騒音と呼べる43dBを実現。
これまで以上に快適にうるおい空間を目指します。



Image: A person demonstrating how to clean the pre-filter on the rear of the air purifier using a vacuum cleaner attachment.

- Water Tank Cleaning:** Clean the water tank regularly to prevent mold and bacteria growth. Rinse with clean water and wipe dry.
- Humidifying Filter Cleaning:** The humidifying filter should be cleaned periodically. Refer to the detailed instructions in the full manual for specific cleaning methods and frequency.
- Electrostatic HEPA Filter & Double Deodorizing Filter:** These filters are not washable and should be replaced according to the recommended schedule (typically every 10 years, depending on usage and environment).

汗臭などを吸着する ダブル脱臭フィルター

活性炭に吸着剤を加えて、寝室にこもりがちな汗臭をしつかり吸着。脱臭フィルターの交換の目安は約10年^{*※}です。



タバコ臭
(酢酸など)



ペット臭
(アンモニアなど)



料理臭
(ヘキサンールなど)



VOC
(揮発性有機化合物)



生ごみ臭



トイレ臭



体臭
加齢臭



カビ臭



アンモニア臭

* ご使用状況によって、寿命が早まる場合があります。

※ 日本電機工業会規格(JEM1467)に基づく試験方法により算出。1日にタバコ5本吸った場合の目安。ご使用状況やニオイの種類・強さによっては、お手入れや交換が必要になる場合があります。

Image: Diagram showing the three filter layers: the pre-filter, the double deodorizing filter, and the electrostatic HEPA filter.

薄型スリムボディ

奥行き230mmの薄型設計で生活導線を邪魔しません。



Image: Illustration of the double deodorizing filter and various odors it is designed to absorb, such as tobacco smoke, pet odors, cooking smells, and VOCs.

7. TROUBLESHOOTING

If you encounter issues with your air purifier, refer to the following common problems and solutions:

- Unit does not turn on:** Check if the power cord is securely plugged into the outlet. Ensure the rear panel and water tank are correctly installed.
- No humidification:** Check if the water tank is filled with water and correctly inserted. Ensure the humidification mode is selected.
- Unusual noise:** Check for any foreign objects in the air inlets or outlets. Ensure filters are properly seated. If the noise persists, contact customer support.
- Reduced airflow or purification:** Clean the pre-filter. Check if other filters need replacement.
- Indicator lights flashing:** Refer to the full instruction manual for specific error codes or indicator light patterns. This often indicates a need for cleaning or water refill.

If the problem persists after attempting these solutions, please contact Sharp customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	KI-TS50-W
Brand	Sharp
Recommended Plasmacluster Area (approx.)	13 tatami mats (approx. 21.5 m ²)
Recommended Air Purification Area (approx.)	23 tatami mats (approx. 38 m ²)
Maximum Humidification Capacity	600 mL/h
Air Purification Time (8 tatami mats)	12 minutes
Operation Noise Level	17-51 dB
Dimensions (W x D x H)	38.4 x 23 x 61.9 cm
Product Weight	7.9 kg
Power Source	AC Power Cord



Image: Diagram illustrating the width (384mm), depth (230mm), and height (619mm) of the Sharp KI-TS50-W unit.

9. WARRANTY AND SUPPORT

For warranty information, please refer to the separate warranty card included with your product. For technical support, replacement parts, or further assistance, please contact Sharp customer service. Contact details can typically be found on the manufacturer's website or in the warranty documentation.