























Safety Precautions


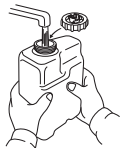

Be sure to read the following important safety information for safe and correct use of the product.

The items listed here represent important information related to safety. The indicators and their meanings are as shown below.














 WARNING	Incorrect handling or use may result in death or serious injury to the user.
 CAUTION	Incorrect handling or use may result in injury to the user, or in property damage.


 "Prohibited": Indicates a prohibited action.	 "Required": Indicates a required action.	 "Do not disassemble": Indicates that disassembly is prohibited.	 "Do not touch": Indicates that contact is prohibited.
 "Unplug": Indicates that the power cord must be unplugged.	 "Electric Shock Danger" (Located on main unit): Indicates that there is the danger of electric shock.	 "Do not wet": Indicates that contact with water is prohibited.	

 WARNING		
Do not disassemble or modify. Do not attempt to disassemble for repair or to modify this system. Doing so may result in fire, electric shock, or injury. For repairs, consult with the dealer where the product was purchased.  Do not disassemble	Do not apply water. Do not soak this unit in water or apply water to it. Doing so may result in a short circuit and electric shock.  Do not wet	Do not insert foreign objects. Do not insert metal objects such as pins or needles, or other foreign objects, into the intake, outlet, or water tank installation port. Doing so may result in injury due to electric shock, or in abnormal operation of the system.  Prohibited
Unplug the power cord before cleaning or servicing the system. When cleaning or servicing the system, be sure to first unplug the power cord. Failure to do so may result in electric shock or injury.  Unplug	Do not damage the power cord. Do not scratch, cut, modify, bend excessively, pull on, twist, or otherwise damage the power cord. Damage to the power cord may result in fire or electric shock.  Prohibited	Do not plug or unplug the power cord with wet hands. Doing so may result in electric shock.  Prohibited
Do not use with any power other than 220 – 240 V AC power. Do not plug multiple cords into the same outlet. Doing so may result in fire, electric shock, or damage to the system.  Prohibited	Do not use chlorine-based or acidic detergents when cleaning the water tank, unit, or filters. These detergents may result in deformation and discoloration.  Prohibited	Insert the power plug securely, all the way to the base. Do not use a plug that cannot be fully inserted or that is damaged. Do not use a loose power outlet. Doing so may result in electric shock or in fire caused by heating.  Required
Remove dirt or grim from the power plug. Regularly remove any dirt or grim from the power plug. If dirt or grim accumulates on the power plug, humidity or other factors may cause an insulation failure, resulting in fire.  Required	A leakage breaker is required. Use a power source that includes a leakage breaker. Failure to do so may result in electric shock or fire.  Required	Do not use insecticides or aromatics. Do not use insecticides, aromatics, or mosquito coils while the unit is operating. Doing so can cause system malfunction.  Prohibited

 CAUTION	
Fill the water tank with new water every day. Rinse out the water tank every day and keep it clean. Then be sure to refill it with tap water. If you continue to use the tank without cleaning it, sediment and water scale may decrease the performance of the unit, or may cause the growth of mold or bacteria, resulting in odor.   Required	To relocate the unit or store it (when it will not be used for two weeks or longer), request servicing by the dealer.

Precautions

 CAUTION		
Do not place any containers that contain liquid on top of the system. Doing so may result in system malfunction.  Prohibited	Do not perform cleaning while the system is operating. Doing so may result in electric shock or injury.  Prohibited	Do not obstruct the outlet. Do not obstruct the outlet with a curtain, towel, or other item. Doing so may result in system malfunction.  Prohibited
Be sure to securely reinstall all components after cleaning. Using the unit without the water tank, filter, or other component securely installed may result in system malfunction.  Required	Grasp the power plug when unplugging the power cord. When unplugging the power cord, do not grasp the cord. Instead, be sure to grasp the power plug at the end of the cord and pull out the plug. Unplugging the cord incorrectly may result in electric shock, short circuit, or fire.  Required	Do not place any items on the unit. Do not climb onto the unit. Doing so may result in system malfunction, or in the unit tipping over.  Prohibited
Install the system indoors, and use in an environment between 5°C and 30°C. In a particularly cold environment, the freeze-prevention function may be activated, and the unit may not operate even when the power switch is turned ON.  Required	Do not use the system with the filter removed. Dust entering into the system may cause system malfunction.  Required	Install in a location where there is little humidity, cigarette smoke, or other airborne substance. Select a location for use which is free of humidity, dust, cigarette smoke, incense smoke, oil smoke (oil particles generated by food preparation), salt, or ammonia. Failure to do so may result in odors or in system malfunction.  Required
Do not install in a location exposed to dripping water. Doing so may result in system malfunction.  Prohibited	Avoid installation in high locations. Install in a flat and stable location. Observe this precaution in order to ensure that the system functions correctly. Failure to do so may result in the unit tipping over due to earthquake or contact by persons.  Required	Secure space of 10 cm or more at the left and right sides of the unit. Also, allow servicing space of 100 cm or more above and to the front of the unit. Failure to do so may result in system malfunction.  Required

 Important information		
Be sure to use normal tap (drinking) water. Never use water from a water purifier, water from a water heater, alkali ion water, mineral water, well water, seawater, or other types of water. These types of water cannot be electrolyzed and can cause the growth of mold or bacteria, resulting in odor.	Do not use tap water in regions where the concentration of chlorine ions in the tap water is low, or in regions where the chlorine concentration is high. In some regions, the quality of the tap water prevents the use of this product. For details, consult with a dealer.	Do not unplug the power cord, even if the unit will not be used for a while. Even when the unit is stopped, cleaning inside the system is performed automatically. Check that there is water in the water tank, and do not unplug the power cord.
Perform regular cleaning. Follow the instructions under “Cleaning the System,” in order to clean and maintain the unit. If the unit becomes especially dirty, mold may grow, resulting in odor.	Do not direct the discharged air directly onto walls or furniture. Do not allow the discharged air to directly contact walls or furniture. It may damage the walls or furniture, resulting in stains.	Be careful of freezing. Freezing may result in system malfunction and damage.

Specifications

1. Product Specifications

Model name			Commercial Space Cleaning System (Floor-Mounted)
Product No.			VW-VF8AG
External dimensions	Height	mm	615
	Width	mm	1,085
	Depth	mm	230
Product weight		kg	40
Operating weight		kg	44 (when water tank is full)
Water tank capacity		L	Approx. 4
Exterior color (Munsell number)		—	Silky Shade (1 Y8.5 / 0.5)
Power source		—	Single-phase, 220 – 240 V, 50 / 60 Hz
Power cord length		m	1.5 (No ground)
Electrical characteristics	Operating current	A	1.1 / 1.2
	Power consumption	W	100 / 115
	Power factor	%	91 / 96
Fan	Model name × Qty.	—	Sirocco fan × 1
	Rated airflow	m ³ /min	Turbo: 8 / High: 5 / Standard: 3 ^{*1}
	Motor output (No. of poles)	W	30 (4P)
Protective devices		—	Protective thermostat, fuse
Operating SW		—	Built-in unit control section
Service temperature		°C	5 – 30
Filters		—	Long-life filter (intake side) Protective net (outlet side)
Operating noise		dB (A)	Turbo: 45 / High: 38 / Standard: 38 ^{*2}
Guide to water refill		hrs/refill	Turbo: Approx. 4 / High: Approx. 6 / Standard: Approx. 9 ^{*3}
Primary accessories		—	Tip-over prevention chain, User's Manual, Installation Manual

When the fan speed is standard, the fan operates intermittently.

*1: The rated airflow for the standard fan speed is the average airflow during intermittent operation.

*2: The operating noise for the standard fan speed is the operating noise when the fan is operating during intermittent operation.

*3: The guide to water refill is the number of hours at a room temperature of 20°C and 35% relative humidity.

* The operating noise conforms to JIS standards, and was measured in an anechoic chamber. Therefore it is the value at a position 1 m in front of the unit and a height of 1 m. When the unit is actually installed, ambient noise and noise reflection ordinarily result in noise than the value indicated here.

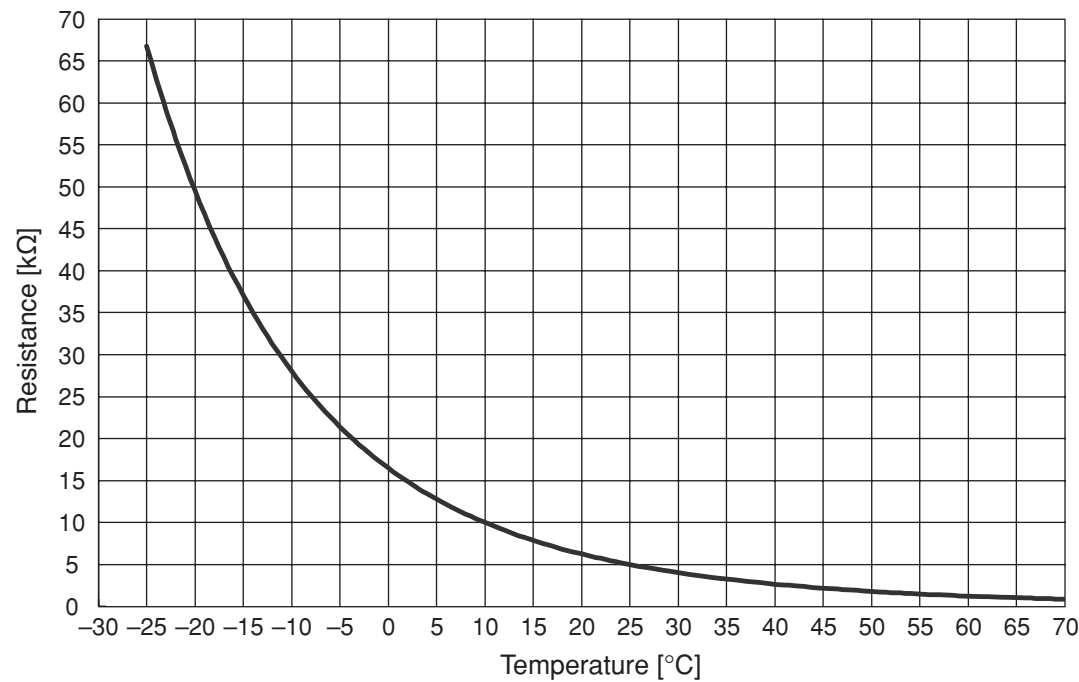
2. Part Specifications

● Fan motor coil resistance

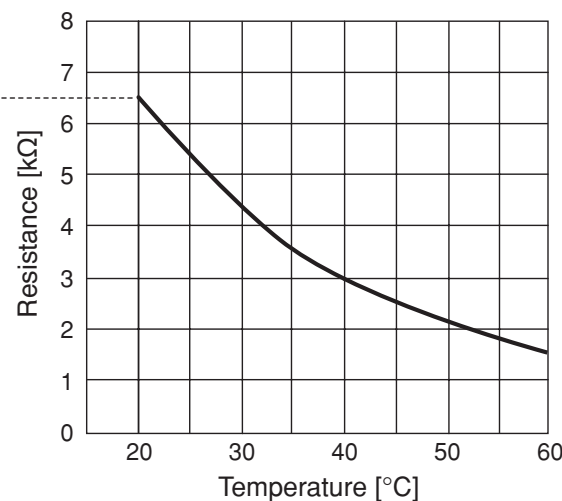
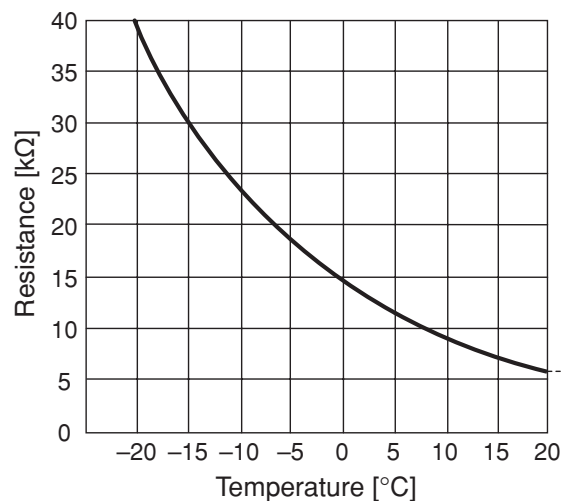
Model name	KUE4T-31CPZ		
Resistance (Ω)	Blue – Brown	29.91	
	Purple – Blue	9.00	
	Yellow – Purple	5.81	
	Yellow – Pink	14.96	

● Thermistor characteristics

Intake temperature sensor



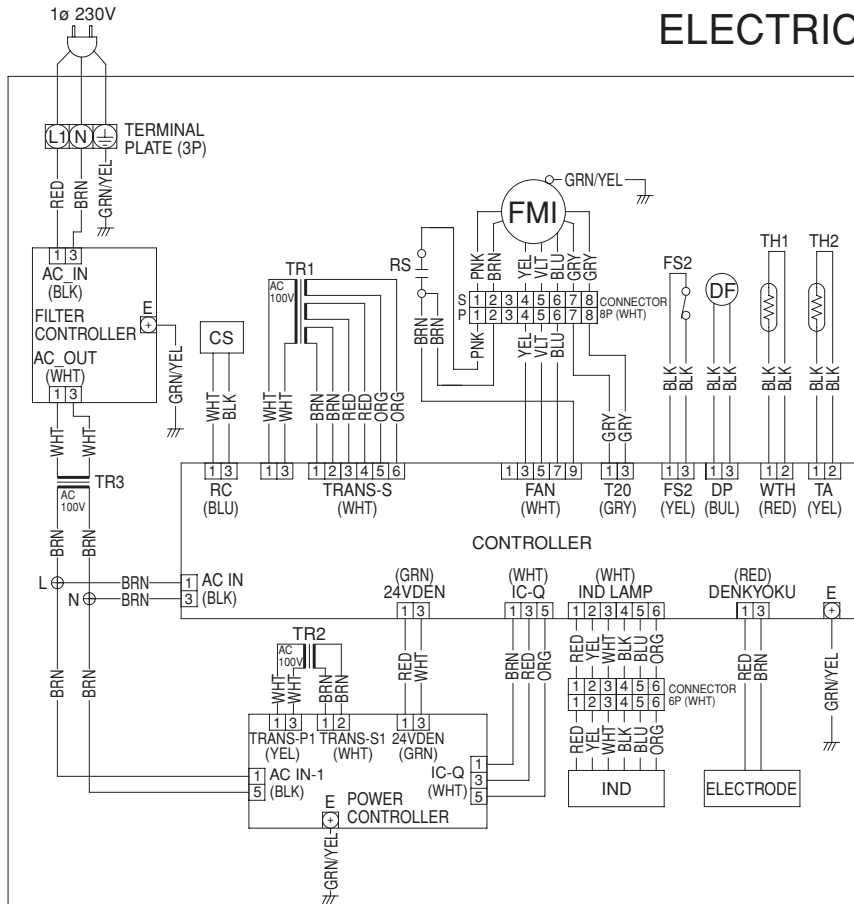
Electrolyzing unit water temperature sensor



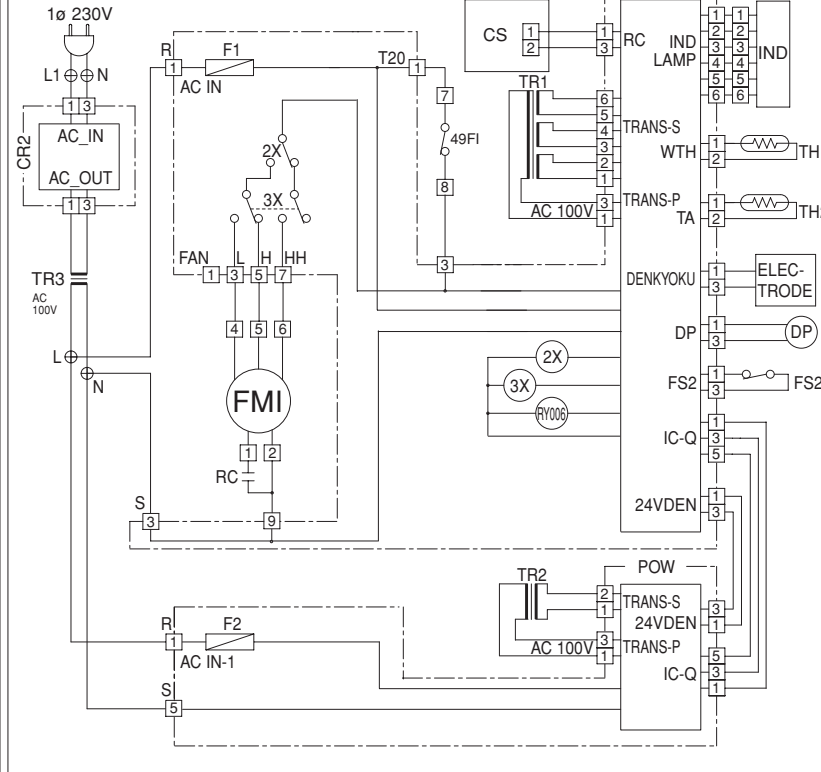
3. Control Specifications

Microcomputer control: Settings: Fan speed select (turbo, high, standard)
Service functions: Alarm display

ELECTRIC WIRING DIAGRAM



SCHEMATIC DIAGRAM



8FA-2-5250-039-00-0

SYMBOLS	DESCRIPTION
FMI	INDOOR FAN MOTOR
49FI	INDOOR FAN MOTOR
RC	RUNNING CAPACITOR
TR1	POWER TRANSFORMER
TR3	
FS2	FLOAT SWITCH
DP	DRAIN PUMP
TH1	THERMISTOR (WATER TEMP)
TH2	ROOM THERMISTOR
ELEC-TRODE	ELECTRODE
F1, F2	FUSE
2X, 3X	AUXILIARY RELAY
RY006	
CS	CONTROL SWITCH
CR1	INDOOR CONTROLLER
CR2	FILTER CONTROLLER
POW	POWER CONTROLLER
IND	IND LAMP ASSY
⊕	TERMINAL PLATE
□	CONNECTOR
○	TERMINAL

VW-VF8AG