



Owner's Manual

Original Instructions

Air Conditioners

U-Match Series Cassette Type Unit

Models:

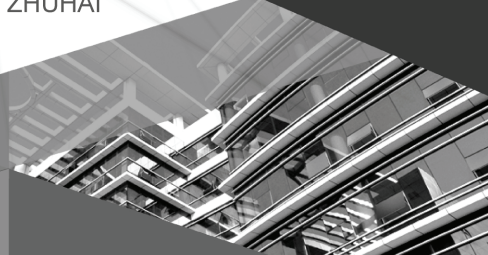
Indoor Unit
GUD50T/A1-K
GU71T/A1-K
GU85T/A1-K
GU100T/A1-K
GU125T/A1-K
GU140T/A1-K
GU160T/A1-K

Outdoor Unit
GU50W/A1-K
GU71W/A1-K
GU85W/A1-K
GU100W/A1-M
GU125W/A1-M
GU140W/A1-M
GU160W/A1-M

Thank you for choosing air conditioners. Please read this Owner's Manual carefully before operation and retain it for future reference.

If you have lost the Owner's Manual, please contact the local agent or visit www.gree.com or send an email to global@gree.com.cn for the electronic version.

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI



To Users

Thank you for selecting Gree's product. Please read this instruction manual carefully before installing and using the product, so as to master and correctly use the product. In order to guide you to correctly install and use our product and achieve expected operating effect, we hereby instruct as below:

- (1) This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- (2) In order to ensure reliability of product, the product may consume some power under stand-by status for maintaining normal communication of system and preheating refrigerant and lubricant. If the product is not to be used for long, cut off the power supply; please energize and preheat the unit in advance before reusing it.
- (3) Please properly select the model according to actual using environment, otherwise it may impact the using convenience.
- (4) This product has gone through strict inspection and operational test before leaving the factory. In order to avoid damage due to improper disassembly and inspection, which may impact the normal operation of unit, please do not disassemble the unit by yourself. You can contact with the special maintenance center of our company if necessary.
- (5) When the product is faulted and cannot be operated, please contact with our maintenance center as soon as possible by providing the following information.
 - 1)Contents of nameplate of product (model, cooling/heating capacity, product No., ex-factory date).
 - 2)Malfunction status (specifies the situations before and after the error occurs).
- (6) All the illustrations and information in the instruction manual are only for reference. In order to make the product better, we will continuously conduct improvement and innovation. We have the right to make

necessary revision to the product from time to time due to the reason of sales or production, and reserve the right to revise the contents without further notice.

- (7) Indoor unit must not be installed in a laundry.
- (8) If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- (9) Gree Electric Appliances Inc. of Zhuhai assumes no responsibility for personal injury, property loss or equipment damage caused by improper installation and commissioning, unnecessary maintenance, or not following relevant national rules and regulations, industrial standards and requirements in this instruction manual.
- (10) The final right to interpret for this instruction manual belongs to Gree Electric Appliances Inc. of Zhuhai.

Exception Clauses

Manufacturer will bear no responsibilities when personal injury or property loss is caused by the following reasons:

- (1) Damage the product due to improper use or misuse of the product;
- (2) Alter, change, maintain or use the product with other equipment without abiding by the instruction manual of manufacturer;
- (3) After verification, the defect of product is directly caused by corrosive gas;
- (4) After verification, defects are due to improper operation during transportation of product;
- (5) Operate, repair, maintain the unit without abiding by instruction manual or related regulations;
- (6) After verification, the problem or dispute is caused by the quality specification or performance of parts and components that produced by other manufacturers;
- (7) The damage is caused by natural calamities, bad using environment or force majeure.

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This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.



1 Safety Notices (Please be sure to abide)

SPECIAL WARNING:

- (1) Do not pierce or burn.
- (2) Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- (3) Be aware that refrigerants may not contain an odor.



PROHIBITED: This sign indicates that the operation must be prohibited.

Improper operation may cause severe damage or death to people.



WARNING: If not abide strictly, it may cause severe damage to the unit or the people.



NOTICE: If not abide strictly, it may cause slight or medium damage to the unit or the people.



OBSERVED: This sign indicates that the items must be observed. Improper operation may cause damage to people or property.



WARNING!

This product can't be installed at corrosive, inflammable or explosive environment or the place with special requirements, such as kitchen. Otherwise, it will affect the normal operation or shorten the service life of the unit, or even cause fire hazard or serious injury. As for above special places, please adopt special air conditioner with anti-corrosive or anti-explosion function.

Please read this operating manual carefully before operating the unit.



Before using the air conditioner, please read the instruction manual.



Before installing the air conditioner, please read the instruction manual.

Before repairing the air conditioner, please read the instruction manual.



The figures in this manual may be different with the material objects, please refer to the material objects for reference.



PROHIBITED

- (1) The air conditioner should be grounded to avoid electric shock. Do not connect the ground wire to gas pipe, water pipe, lightning arrester or telephone wire.
- (2) The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- (3) The appliance shall be stored in a room without continuously operating open flames (for example an operating gas appliance) and ignition sources (for example an operating electric heater).
- (4) According to federal/state/local laws and regulations, all packages and transportation materials, including nails, metal or wooden parts, and plastic packing material, must be treated in a safe way.



WARNING

- (1) Please install according to this instruction manual. Installation must be performed in accordance with the requirement of NEC and CEC by authorized personnel only.
- (2) Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.
- (3) Servicing shall only be performed as recommended by the equipment manufacturer.
- (4) The appliance shall be installed in accordance with national wiring regulations.
- (5) The fixed wires connecting to the appliance must be configured with all-pole disconnection device under voltage grade III according to wiring rules.
- (6) Air conditioner should be stored with protective measures against mechanical damage caused by accident.
- (7) If the installation space for air conditioner pipe is too small, adopt a protective measure to prevent the pipe from physical damage.
- (8) During installation, use the specialized accessories and components, otherwise water leakage, electric shock or fire hazard may occur.

**WARNING**

- | |
|---|
| (9) Please install the air conditioner in a secure place that can withstand the weight of air conditioner. Insecure installation may cause the air conditioner falling down and lead to injury. |
| (10) Be sure to adopt independent power circuit. If the power cord is damaged, it must be repaired by the manufacturer, service agent or other professional agents. |
| (11) The air conditioner can be cleaned only after it is turned off and power-disconnected, otherwise electric shock may occur. |
| (12) The air conditioner is not intended to be cleaned or maintained by children without supervision. |
| (13) Do not alter the setting of pressure sensor or other protective devices. If the protective devices are short-circuited or changed against rules, fire hazard or even explosion may occur. |
| (14) Do not operate the air conditioner with wet hands. Do not wash or sprinkle water on the air conditioner, otherwise malfunction or electric shock will occur. |
| (15) Do not dry the filter with naked flame or an air blower; otherwise the filter will be out of shape. |
| (16) If the unit is to be installed in a small space, please adopt protective measures to prevent the concentration of refrigerant from exceeding the allowable safety limit; excessive refrigerant leakage may lead to explosion. |
| (17) When installing or re-installing the air conditioner, please keep the refrigerant circuit away from substances other than the specified refrigerant, such as air. Any presence of foreign substances will cause abnormal pressure change or even explosion, resulting in injury. |



NOTICE

- (1) Do not put a finger or other objects into the air inlet or air return grill.
- (2) Please adopt safety protection measures before touching the refrigerant pipe; otherwise your hands may be hurt.
- (3) Please arrange the drain pipe according to the instruction manual.
- (4) Never stop the air conditioner by directly cutting off the power.
- (5) Please select the proper copper pipe according to the requirement for pipe thickness.
- (6) Indoor unit can only be installed indoors while outdoor unit can be installed either indoors or outdoors. Never install the air conditioner in the following places:
 - a) Places with oil smoke or volatile liquid: plastic parts may deteriorate and fall off or even cause water leakage.
 - b) Places with corrosive gas: copper pipe or the welding parts may be corroded and cause refrigerant leakage.
- (7) Adopt proper measures to protect the outdoor unit from small animals because they may damage the electric components and cause malfunction of the air conditioner.



OBSERVED

- (1) If wired control is to be used, it should be connected first before powering up the unit, otherwise the wired control may not be able to use.
- (2) When installing the indoor unit, keep it away from television, wireless waves, and fluorescent.
- (3) Only use soft dry cloth or slightly wet cloth with neutral detergent to clean the casing of the air conditioner.
- (4) Before operating the unit under low temperature, connect it to power for 8 hours. If it is stopped for a short time, for example, one night, do not cut off the power (This is to protect the compressor).



WARNING

- (1) Only professionals are allowed to carry on daily maintenance.
- (2) Before contacting any wire, make sure power is cut off.
- (3) Do not let any inflammable objects near the unit.
- (4) Do not use organic solvent to clean the air conditioner.
- (5) If you need to replace a component, please ask a professional to repair with a component supplied by the original manufacturer so as to ensure the unit's quality.
- (6) Improper operation may get the unit broken, hit by electric shock or cause fire.
- (7) Do not make the air conditioner wet or electric shock may be lead; ensure that the air conditioner will not be cleaned by water rinsing under any circumstance.

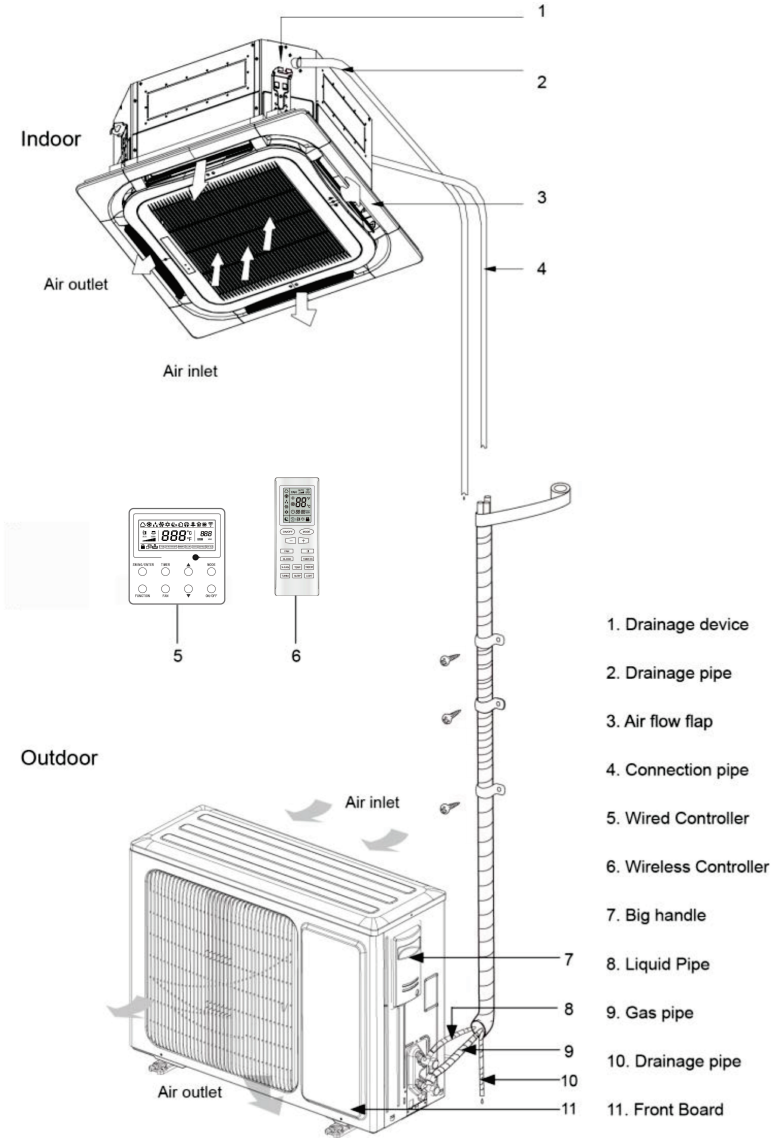


NOTICE

- (1) Before cleaning, please make sure the unit is stopped. Cut the circuit breaker and remove the power socket, otherwise, electric shock may occur.
- (2) Do not wash the air conditioner with water, otherwise fire hazard or electric shock may occur.
- (3) When cleaning the filter, please be careful of your steps. If you need to work high above the ground, please be extremely careful.

2 Product Introduction

2.1 Overall Layout












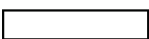

**NOTICE:**


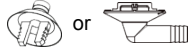

The connection pipe, drain pipe, power cord, for this unit should be prepared by the user.

2.2 Product Operating Range

	Cooling	Heating
Outdoor temperature DB(°C)	-15~48	-15~24
Indoor temperature DB/WB(°C) (Maximum)	32/23	27/-

2.3 Standard Accessories


Indoor Unit Accessories				
No.	Name	Appearance	Q'ty	Usage
1	Drain Hose		1	To connect with the hard PVC drain pipe
2	Nut with Washer		4	To fix the paper template
3	Installation Paperboard		1	Used for ceiling drilling
4	Gasket Mounting Board		4	Used to prevent gasket from falling off
5	Wireless Controller +Battery		1+2	To control the indoor unit
6	Insulation		1	To insulate the gas pipe
7	Insulation		1	To insulate the liquid pipe
8	Nut		1	To connect gas pipe
9	Nut		1	To connect liquid pipe
10	Heat-Shrinkable Bushing		1	Connect the front panel to the main body
11	Flannelette		1	To prevent the communication wire from reaching out the electric raceway (only 50)

Outdoor Unit Accessories				
No.	Name	Appearance	Q'ty	Usage
1	Drain Plug		1or3	To plug the unused drain hole.
2	Drainage Connector	 or 	1	To connect with the hard PVC drain pipe

3 Installation

3.1 Installation Preparation

3.1.1 Selection of Installation Location

 WARNING
①. The unit must be installed where strong enough to withstand the weight of the unit and fixed securely; otherwise the unit would topple or fall off.
②. Install the air conditioner at a place where the inclination is less than 5°.
③. Do not install the unit at a place with direct sunlight.
④. Do not install where there is the danger of combustible gas leakage.
⑤. Do not install the unit near heat source of heat, steam, or flammable gas.

Selection of Installation Location for Indoor Unit (Select a location pursuant to the following condition)

- (1) Air inlet and outlet of the indoor unit should be away from obstacles to make sure the unit's air flow can reach the entire room. Do not install the unit in a kitchen or a laundry.
- (2) Select a location that can withstand 4 times the unit weight without increasing operating noise and vibration.
- (3) The installation location must be level.
- (4) The indoor piping length and wiring length should be within the allowable range.
- (5) Select a place that can easily drain condensate and connect to the drain system of the air conditioner.

- (6) If hoisting screw bolts are to be used, check whether the installation location is safe enough. If not safe, reinforce the location before installation.
- (7) Indoor unit, power cord, connecting wires and communication cords should be at least 1m from television and radio. This is to prevent image interference or noise (Even at a distance of 1m, a very strong electric wave may still generate noise).

Selection of Installation Location for Outdoor Unit (Select a location pursuant to the following condition).

- (1) Noise and air flow produced by the outdoor unit will not disturb the neighbors.
- (2) Select a location that is safe and away from animals and plants. If not, please add safety fences to protect the unit.
- (3) Install at a place with good ventilation. Make sure the outdoor unit stays at a well-ventilated place with no obstacles nearby that may obstruct the air inlet and outlet.
- (4) The installation location should be able to withstand the weight and vibration of outdoor unit and allow the installation to be carried out safely.
- (5) Avoid installing at a place with leakage of inflammable gas, oil smoke or corrosive gas.
- (6) Keep it away from strong wind because strong wind will affect the outdoor fan and lead to insufficient air flow volume and thus affecting the unit's performance.
- (7) Install the outdoor unit at a place that is convenient for it to be connected to the indoor unit.
- (8) Away from any object that may get the air conditioner generating noise.
- (9) Install the outdoor unit at a place where condensate can be easily drained.

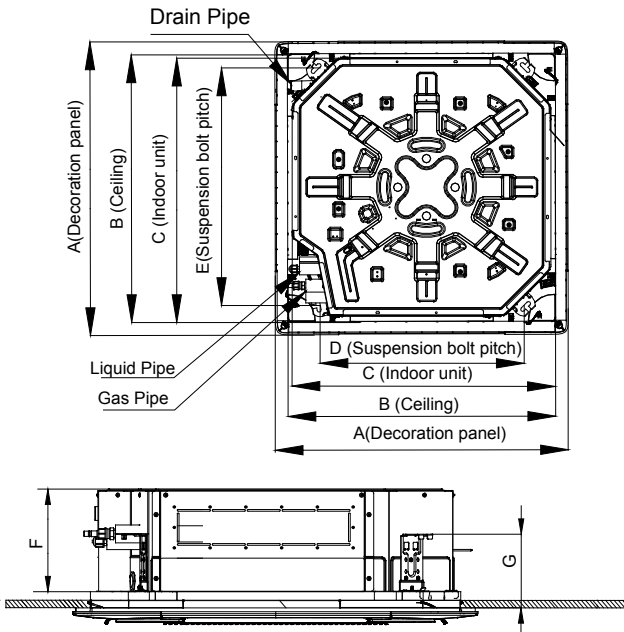
3.1.2 Unit Dimension



WARNING

- ①. Install the indoor unit in a location which can withstand a load of at least five times the weight of the main unit and which will not amplify sound or vibration.
- ②. If the installation location is not strong enough, the indoor unit may fall and cause injuries.
- ③. If the job is done with the panel frame only, there is a risk that the unit will come loose. Please take care.

(1) Indoor Unit



NOTICE

Drilling of ceiling opening and installation of air conditioner must be performed by professionals!

Unit: mm

Model \ Item	A	B	C	D	E	F	G
GUD50T/A1-K	620	580	570	520	560	265	170
GU71T/A1-K	950	870	840	660	790	240	165
GU85T/A1-K	950	870	840	660	790	240	165
GU100T/A1-K	950	870	840	660	790	240	165
GU125T/A1-K	950	870	840	660	790	240	165
GU140T/A1-K	950	870	840	660	790	290	165
GU160T/A1-K	950	870	840	660	790	290	165

(2) Outdoor units

GU50W/A1-K;GU71W/A1-K;GU85W/A1-K;GU100W/A1-M

