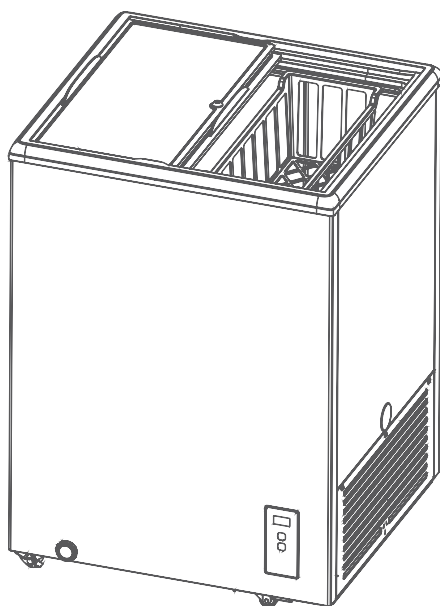


Commercial Freezer

Instruction Manual

CGF-51V

CGF-70V



> Warning notices: Before using this product, please read this manual carefully and keep it for future reference. The design and specifications are subject to change without prior notice for product improvement. Consult with your dealer or manufacturer for details. The diagram above is just for reference. Please take the appearance of the actual product as the standard.

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Before switching on the appliance for the first time read the following safety hints!

- > 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.
- > 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.
- > Children should be supervised to ensure that they do not play with the appliance. Children aged from 3 to 8 years are allowed to load and unload refrigerating appliances.

Explanation of terms/symbols

	DANGER This symbol indicates that there are dangers to the life and health of persons due to extremely flammable gas.
	WARNING The signal word indicates a hazard with a medium level of risk which, if not avoided, may result in death or serious injury.
	CAUTION The signal word indicates a hazard with a low degree of risk which, if not avoided, may result in minor or moderate injury.
	ATTENTION The signal word indicates important information (e.g. damage to property), but not danger.

IMPORTANT: Pay particular attention to messages that contain the words **DANGER**, **WARNING** or **CAUTION**. These words are used to alert you to a potential hazard that can seriously injure you and others.

The instructions will tell you how to reduce the chance of injury and let you know what can happen if the instructions are not followed.

ATTENTION: These operating instructions are general. This means that certain functions apply to your freezer, while others do not.

We are constantly working on the further development and improvement of our appliance types and models. Therefore, we reserve the right to make changes to the design, equipment and accessories of all types and models without prior notice.

IMPORTANT SAFETY INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS!



Refrigerant class A3
per ANSI/ASHRAE 34

WARNING: Risk of fire / flammable material

DANGER Risk of fire or explosion. Flammable refrigerant used. Do not use mechanical devices to defrost refrigerator. Do not puncture refrigerant tubing.

DANGER Risk of fire or explosion. Flammable refrigerant used. To be repaired only by trained service personnel. Use only manufacturer authorized service parts. Any repair equipment used must be designed for flammable refrigerants. Follow all manufacturer repair instructions. Do not puncture refrigerant tubing



WARNING

General Safety

- > 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.
- > Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- > **WARNING:** Keep clear of obstruction all ventilation openings in the appliance enclosure or in the structure for building-in.
- > **WARNING:** Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- > **WARNING:** Do not damage the refrigerating circuit.
- > **WARNING:** Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- > **WARNING:** In order to reduce flammability hazards the installation of this appliance must only be carried out by a suitably qualified person.



CAUTION

Daily use

- > Do not pull the power cord when pulling the power plug of the refrigerator. Please firmly grasp the plug and pull out it from the socket directly.
- > To ensure safe use, do not damage the power cord or use the power cord when it is damaged or worn.
- > Please use a dedicated power socket and the power socket shall not be shared with other electrical appliances.
- > The power plug should be firmly contacted with the socket or else fires might be caused.
- > Please ensure that the grounding electrode of the power socket is equipped with a reliable grounding line.
- > Please turn off the valve of the leaking gas and then open the doors and windows in case of leakage of gas and other flammable gases.
- > Do not unplug the refrigerator and other electrical appliances considering that spark may cause a fire.

- > Do not use electrical appliances on the top of the appliance, unless they are of the type recommended by the manufacturer.
- > Do not allow any child to get into or climb the refrigerator; otherwise suffocation or falling injury of the child may be caused.
- > Do not place heavy objects on the top of the refrigerator considering that objectives may fall when close or open the door, and accidental injuries might be caused.
- > Do not put flammable, explosive, volatile and highly corrosive items in the refrigerator to prevent damages to the product or fire accidents.
- > Do not place flammable items near the refrigerator to avoid fires.
- > It shall not be used for other purposes, such as storage of blood, drugs or biological products, etc.



DANGER

- > Risk of child entrapment.
Before you throw away your old refrigerator or freezer:
- > Take off the doors
- > Leave the shelves in place so that children may not easily climb inside.



CAUTION

This product is not recommended for use with sockets or main switch with the A/GFCI function, otherwise it may cause false tripping.

1. It's not pose a safety risk when tripped.
2. If tripping persists, it is recommended to replace the sockets or main switch without a/gfci function.
3. To Prevent A Child From Being Entrapped, Keep Out Of Reach Of Children And Not In The Vicinity Of Freezer (Or Refrigerator).



WARNING

Electrical safety

Incorrect electrical installation or excessive mains voltage can lead to electric shocks!

- > Only connect your Commercial freezer to a properly installed earthed socket if the mains voltage of the socket corresponds to the specification on the rating label*.
- > Do not use extension cords or ungrounded (two-pin) adapters.
- > Do not locate multiple portable socket outlets or portable power supplies at the rear of the appliance.
- > Improper power supply may result in fire or electric shocks.
- > Avoid electrical overload.
Disconnect the mains plug from the mains socket before carrying out care, maintenance and repair work on the unit.
- > Switch off the unit and disconnect the mains plug from the mains socket when you are not using the unit.
- > 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.

INSTALL INSTRUCTION

Before first use

Remove the exterior and interior packing, wipe the outside thoroughly with a soft dry cloth and the inside with a wet, lukewarm cloth.

Avoid placing the cabinet in a narrow recess or near any heat source, direct sunlight, or moisture.

Adequate air circulation is required for efficient operation. Maintain the recommended clearance to ensure adequate air circulation.

Before connecting your freezer to the power supply, check that the voltage stated on the rating label of your appliance corresponds to the voltage in your home. A different voltage could damage the appliance.

The appliance must be grounded. The manufacturer is not responsible for damages that may occur as a result of usage without grounding.

Recommended clearance

- > Keep the air circulation free around the cabinet. When installing the unit, ensure 200mm of free space at both sides, 700mm at the top of the unit, and 50-75mm at the back when installing the appliance.

Ambient Temperature

Depending on the climate class, This refrigerating appliance is intended to be used at an ambient temperature range as specified in the following table.

The product may not operate properly at temperatures outside of the specific range. You can find the climate class on the product label.

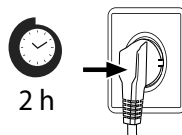
Test room climate class	Dry bulb temperature (°C)	Relative humidity (%)	Dew point (°C)	Water vapour mass in dry air (g/kg)
0	20	50	9.3	7.3
1	16	80	12.6	9.1
2	22	65	15.2	10.8
3	25	60	16.7	12.0
4	30	55	20.0	14.8
5	40	40	23.9	18.8
6	27	70	21.1	15.8
7	35	75	30.3	27.3
8	24	55	14.4	10.2

NOTE: he water vapour mass in dry air is one of the main points influencing the performance and the energy consumption of the NOTE The water vapour mass in dry air is one of the main points influencing the performance and the energy consumption of the cabinets. Reference (EN ISO 23953-2-2023), Appendix B, Comparison of laboratory and storage conditions.

- > Please leave enough space to ensure feasible opening.

Connecting the appliance

After installing the product, please let it stay for more than 2 hours before turning on the power, otherwise it will lead to a decrease in cooling capacity or a damage to the product.



Allow the appliance to run empty for 24 hours so the compartment can cool to the appropriate temperature.

Providing a proper power supply.

Check your local power source. This refrigerator requires a **AC 115V, 60 Hz** power supply.

Use a receptacle that accepts the grounding prong. The power cord is equipped with a 3-prong (grounding) plug which mates with a standard 3-prong (grounding) wall outlet to minimize the possibility of electric shock hazard from this refrigerator.

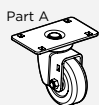
Caster Installation (optional)

Unplug the unit from power source and empty contents before caster installation. Lock and secure lid to prevent opening during caster installation.

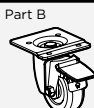
The appliance comes with a caster installation kit shipped in basket of freezer. The casters allow ease of moving the unit to its final location. The casters can be then be locked into place.

Required Tool: Phillips screwdriver

Caster Kit contents:



2 Casters without brakes



2 Casters with brakes



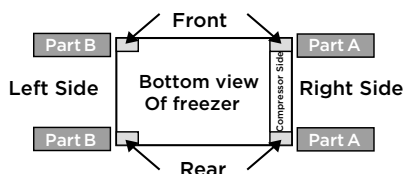
screws

● ATTENTION

- Two or more people are required to rotate and tilt the freezer on its back, allowing accessibility to all sides.

To install the casters:

- Move freezer to a work area that provides sufficient clearance on all sides to allow easy handling and access to the howcase.
- Cover the floor area behind the freezer with a protective material to prevent damage while it is resting on its back during the caster installation.
- Remove the adjustable leveling legs already installed on the freezer by unscrewing counterclockwise, as they are not required when using casters.
- Remove casters and screws from the caster kit. The Part A casters are installed on the right front and rear compressor side of the unit. The Part B casters are installed on the left front and rear of the unit (with brake lever facing outside). Align the caster holes with the corresponding screw holes in the mounting locations.



- After casters are installed, with the help of an assistant, carefully lift and rotate the freezer to its upright position. Move the freezer to the desired location, and engage brakes on the 2 left casters.
- Wait a minimum of 2 hours before connecting the freezer to an AC power source.
- Load the freezer after the desired operating temperature is reached.

● ATTENTION

Castors with brakes are to stop freezer movement on level ground only. They are not intended to prevent movement on an uneven or sloping floor.

Tips for energy saving

The appliance should be located in the coolest area of the room, away from heat producing appliances or heating ducts, and out of the direct sunlight.

Do not place the appliance near cookers, radiators or other heat sources. If the ambient temperature is high, the compressor will run more frequently and for longer, resulting in increased energy consumption.

Ensure that there is sufficient ventilation at the base of the appliance, on the sides of the appliance and at the back of the appliance.

To obtain a larger storage space (e.g. for large refrigerated/frozen goods), the middle shelves can be removed.

The door gaskets of your appliance must be perfectly intact so that the doors close properly and energy consumption is not increased unnecessarily.

Organize and label food to reduce door openings and extended searches. Remove as many items as needed at one time, and close the door as soon as possible.

Stop using

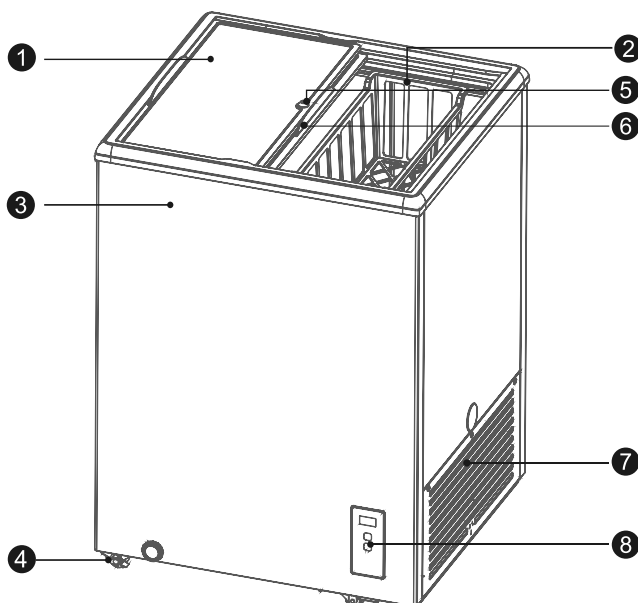
Power failure: Foods can be preserved for a couple of hours even in summer in case of power failure; it is recommended to reduce the frequency of opening door and do not put fresh foods into the commercial freezer.

Long-time nonuse: Please unplug the commercial freezer if it is left unused for a long time for cleaning. Keep the door open to avoid the bad odor.

Moving: When it needs to move the freezer, do not turn upside or vibrate the commercial freezer, the carrying angle can not be greater than 45°.

PRODUCT OVERVIEW

Parts and functions



The maximum loading of single shelf:6kg

- | | | | |
|---|------------------|---|-----------------|
| 1 | Glass door | 2 | Hanging Basket |
| 3 | Cabinet Assembly | 4 | Universal Wheel |
| 5 | Lock | 6 | Handle |
| 7 | Shutter | 8 | Control Panel |

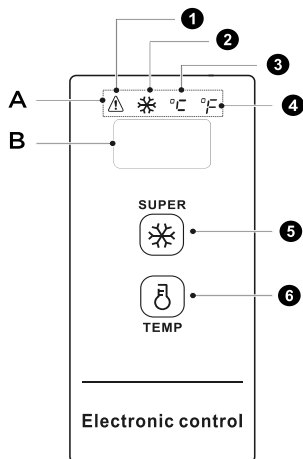
ATTENTION

Differences: Due to technical changes and different models, some of the illustrations in this manual may differ from your model.

OPERATION INSTRUCTIONS

Use and functions

Control panel



Operation key and lamp

- 1 High temperature warming indicator lamp
- 2 Super-freeze indicator lamp
- 3 Centigrade temperature indicator lamp
- 4 Fahrenheit temperature indicator lamp
- 5 Super-freeze key
- 6 Tempering key
- A Indicator lamp display area**
- B Temperature display area**

ATTENTION

The actual control panel may differ from model to model.

Display control

- > When power on the freezer, the display window will be kept on for 3s, then it will enter to the normal operation display mode.

> Display of normal operation:

1. If there is no failure, the set temperature or function mode will be displayed;
2. If there is any failure, the failure code will be displayed;

> Show sleep function:

The sleep function will open by default after electrifying, after the temperature is confirmed, the display will extinguish after another 30s. The sleep mode could be switched via combined key:

By pressing tempering key “” and super-freeze key “” for 5s simultaneously, when “**ON**” is displayed in the temperature display area once, it indicates the sleep function is opened.

By pressing tempering key “” and super-freeze key “” for 5s simultaneously, when “**OFF**” is displayed in the temperature display area once, it indicates the sleep function is closed.

> Operation control:

Open the sleep function. After temperature confirmation for tempering every time, the display area will extinguish for another 30s;

Close the sleep function. After temperature confirmation for tempering every time, the display area will not extinguish and keep on.

Lock/ Unlock

After the initial electrification, the key is in lock state by default; it is required to operate after unlocking.

Lock: after pressing the super-freeze key “^{SUPER}❄️” for continuously 3s, the display area will blink once, and the set temperature will take effect immediately, once entering lock state, the display area will not blink; after no-key operation for 30s, it could also enter automatic lock state, and the display area will blink once.

Unlock: after pressing the super-freeze key “^{SUPER}❄️” for continuously 3s, the display area will blink once to unlock. Under the lock state, it is required to conduct key operation after unlock.



ATTENTION

The various following key operations shall be implemented under unlock state.

Fahrenheit and centigrade temperature conversion

By long pressing the tempering key “^{TEMP}8” for 3s, Fahrenheit and centigrade temperature conversion could be implemented. When the centigrade temperature is displayed, the centigrade temperature indicator lamp on; and when the Fahrenheit temperature is display, the Fahrenheit temperature indicator lamp in the display area will be on.

Temperature Setting

By pressing the tempering key “^{TEMP}8”, the display window will display the refrigerator temperature, by pressing the tempering key “^{TEMP}8” once every time, the refrigerator temperature will change 1 degree.

Celsius/Fahrenheit;

The specific temperature change is cycled according to the figure below:

10°C → 9°C → 8°C → ... 1°C → 0°C → -1°C → ... → -28°C → -29°C → -30°C

The specific temperature change is cycled according to the figure below:

50°F → 49°F → 48°F → ... 33°F → 32°F → 31°F → ... → -20°F → -21°F → -22°F

Super-freeze function

Enter super-freeze:

Press and hold the “

- > When setting the centigrade temperature, “ -30 ” will be displayed in the temperature display area, if the compressor continuous operates, the centigrade temperature indicator lamp “

Quit super-freeze:

1. Power on after power failure;
2. Continuous operation of compressor for 50 hours;
3. If sensor failure occurs under super-freeze mode, you can quit super-freeze;
4. Under super-freeze mode, you can quit the super-freeze mode by repressing the super-freeze key “

High temperature alarm

The indicator lamp “

Power failure memory

During power failure, the sudden operating state of power failure will be locked, after power is recovered, the operation shall be continued according to the setting before the power failure. The super-freeze function will be quitted after power failure.

Failure code

If the failure happens, the display area will show corresponding error codes as shown as below table, the user shall contact a specialist for maintenance, so as to make sure the normal use of freezer.

Fault Code	Fault Description
E2	Temperature sensor failure

MAINTENANCE AND CLEANING



CAUTION

Dusts behind the commercial freezer and on the ground shall be timely cleaned to improve the cooling effect and energy saving.

Check the door gasket regularly to make sure there are no debris. Clean the door gasket with a soft cloth dampened with soapy water or diluted detergent.

The interior of the commercial freezer should be cleaned regularly to avoid odor.

Please turn off the power before cleaning interior, remove all foods, drinks, shelves, drawers, etc.

Use a soft cloth or sponge to clean the inside of the commercial freezer, with two tablespoons of baking soda and a quart of warm water. Then rinse with water and wipe clean. After cleaning, open the door and let it dry naturally before turning on the power.

For areas that are difficult to clean in the product (such as narrow sandwiches, gaps or corners), it is recommended to wipe them regularly with a soft rag, soft brush, etc. and when necessary, combined with some auxiliary tools (such as thin sticks) to ensure no contaminants or bacterials accumulation in these areas.

Do not use soap, detergent, scrub powder, spray cleaner, etc., as these may cause odors in the interior of the commercial freezer or contaminated food.

Clean the bottle frame, shelves and drawers with a soft cloth dampened with soapy water or diluted detergent. Dry with a soft cloth or dry naturally.

Wipe the outer surface of the commercial freezer with a soft cloth dampened with soapy water, detergent, etc., and then wipe dry.

Do not use hard brushes, clean steel balls, wire brushes, abrasives (such as toothpastes), organic solvents (such as alcohol, acetone, banana oil, etc.), boiling water, acid or alkaline items, which may damage the commercial freezer surface and interior. Boiling water and organic solvents such as benzene may deform or damage plastic parts.



Do not rinse directly with water or other liquids during cleaning to avoid short circuits or affect electrical insulation after immersion.

Note: Suggest a cleaning service once a month.



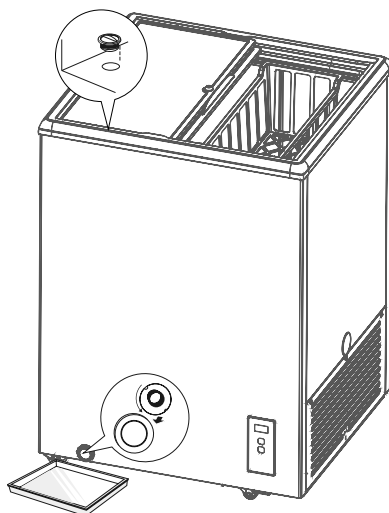
ATTENTION

Continuous operation is recommended when the commercial freezer is started. Please do not stop the commercial freezer under normal circumstances so as not to affect the commercial freezer's service life.

Defrosting

Your freezer is designed for year-round use with only minimal cleaning and maintenance. We recommend that you do the following every time you clean it to keep your freezer running odor-free and efficiently:

1. Power off the freezer.
2. Remove the food from the freezer and place it properly to prevent food from melting.
3. Clear the drain pipe (to use soft materials to prevent damage to the liner), Prepare the water containers for defrosting. (pay attention to clean the compressor compartment water draining tray, Avoiding overflow to the ground).
4. You can use the natural temperature for the natural defrost, you can also use the ice shovel to eliminate the frost (to use plastic or wooden ice shovel, for avoiding damage to the liner or pipe)
5. Pull out the drain plug inside the appliance, and pull off the outside defrost drain plug. Defrost water will drain out. Check pan occasionally so water does not overflow. Replace the drain plugs when defrosting is completed.
6. You can also use the appropriate amount of hot water to speed up the defrost, with a dry towel to dry the water after defrosting.
7. After defrosting, put back the foods in cabinet, and power on the freezer.



ATTENTION

The appliance shall run continuously once it is started. Generally, the operation of the appliance shall not be interrupted; otherwise the service life may be impaired

TROUBLESHOOTING

The following simple issues can be handled by the user. Please call the after-sale service department if the issues are not solved.

Problem	Possible Causes	Solution
Not operate	- The power supply is not turned on and the plug is not firmly inserted. - Low voltage, power failure or part of the circuit tripped.	- Insert the power cord plug firmly. - Check the power supply at home.
Compressor working for a long time	- High ambient temperature causing long working time. - Putting too much food in at one time. - Food is put in before it has cooled down. - Opening the door too often. - The frost layer inside is too thick.	- This is normal. - Do not put too much food in at one time. - Wait until the food has cooled down before putting it in. - Do not open the door too often. - Need to defrost.
Door does not close properly	- Door is stuck with objects. - Too much food in. - Door gasket deformed.	- Do not put in too much food. - Place the appliance stably. - Heat the door gasket, then cool it for restoration (with an electrical drier or hot water for heating).
Outer wall is hot	- When the appliance is operating, heat is dissipated to the outside through the metal tubes inside the cabinet. - Higher ambient temperatures in the summer cause the temperature of the outer wall to rise.	- Higher temperature on the outer wall is normal. - Increase the heat dissipation space, or put the appliance in a ventilated and cool place.
Odors	- Spoiled food - Food with strong odors - The interior compartment is dirty.	- Clean and remove any spoiled food. - Make sure strong smelling food is wrapped airtight. - Clean the interior compartment.
Condensation forms on the outside	Condensation may form when the humidity in the room is high.	This is normal. Wipe off the condensation using a dry cloth.
Hard to open the door	The difference in air pressure between the inside and outside of the compartment may sometimes make it hard to open the freezer door.	Wait a few moments, and then try to open the door slowly.

Certain sounds can be heard during normal use of the freezer, which do not affect its correct operation.

Sounds, which can be easily prevented:

- > Noise caused by the appliance which is not level - adjust the position with the adjustable turn-in front feet. Alternatively, place pads made of soft material under the rear rollers, especially when the appliance is placed on tiles.
- > Touching the adjacent piece of furniture - move the Commercial freezer away.
- > Creaking of the drawers or shelves - take out and put back the drawer or shelf.

Sounds heard during normal use are mainly due to operation of the compressor (switching on) and cooling, system (thermal expansion and contraction of the radiator caused by flow of the cooling agent).

