



*Colours and appearances may vary*

# DC/AC Refrigerator & Freezer

## User Manual

[Revision 1.0 November 2019]

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READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

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# Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You **CAN** be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You **CAN** be INJURED if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

## General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

## General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol or medication.
- This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities.

## General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start or run the engine until all leaks are fixed.

## General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines **OUTSIDE** only, and far away from windows, doors and vents.

## General Equipment Use and Care

- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety	General Electrical Safety	General Service Information
<ul style="list-style-type: none"> <li>Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.</li> <li>Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.</li> <li>When wiring electrically powered equipment, follow all electrical and safety codes.</li> <li>Wherever possible, use a residual current device (RCD).</li> <li>High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</li> </ul>	<ul style="list-style-type: none"> <li>Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.</li> <li>Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.</li> <li>Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.</li> <li>Do NOT use electrical equipment in wet conditions or in damp locations.</li> <li>Do NOT use electrical cords to lift, move or carry equipment.</li> <li>Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.</li> </ul>	<ul style="list-style-type: none"> <li>The equipment must be serviced or repaired at authorised service centres by qualified personnel only.</li> <li>Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.</li> <li>Do NOT attempt any maintenance or repair work not described in this manual.</li> <li>After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories or performing repair or maintenance.</li> <li>Do NOT adjust while the equipment is running.</li> <li>Perform service related activities in suitable conditions, such as a workshop.</li> <li>Replace worn, damaged or missing warning/safety labels immediately.</li> </ul>

#### Refrigerator & Freezer Safety

- Keep all ventilation openings, in the appliance enclosure or in the build-in structure, clear of obstructions
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- If the supply cord is damaged, It must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- Be cautious not to cause fire when maintaining the refrigerator as the refrigerant and vesicant are burnable. Useless and old refrigerators should be recycled and disposed by professional companies.
- Do not discard useless and old refrigerators at will in order to avoid environmental pollution.
- Children should be supervised to ensure that they will not play with the appliance.
- Do not damage the refrigerant circuit (applicable only for appliances with refrigeration circuits that are accessible to the user).
- Never use hot water, solvents, commercial kitchen cleaners, aerosol cleaners, metal polishes, caustic or abrasive cleaners, or scourers to clean this appliance, as they will damage it. Many commercially available cleaning products and detergents contain solvents and detergents that will cause damage to your appliance. When cleaning, use only a soft cloth with mild soap and lukewarm water.
- IMPORTANT!** Please make sure the pressurised aerosol containers (identified by the words "flammable" and/or a small flame symbol) must not be stored inside any refrigerator or freezer.

# Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 <p><b>Flammable Material Hazard</b> Flammable liquids, gases or substances etc may present. Avoid ignition sources and open flames. Danger of fire.</p>	 <p><b>Read User Manual</b> Read and fully understand product safety warnings, operation, procedures etc before using the product.</p>	 <p><b>Use Hand Protection</b> Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.</p>	 <p><b>Carbon-Monoxide Hazard</b> Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>
 <p><b>Electrocution / Electrical Shock Hazard</b> High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.</p>	 <p><b>Toxic Fumes / Dust Hazard</b> Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.</p>	 <p><b>Explosive Material Hazard</b> Combustible liquids, gases or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.</p>	 <p><b>Cutting / Amputation Hazard</b> The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.</p>
 <p><b>Crush Hazard</b> The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p><b>Single Operator Only</b> The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.</p>	 <p><b>Use Face Protection</b> Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.</p>	 <p><b>Use Foot Protection</b> Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.</p>
 <p><b>Use Eye / Ear / Head Protection</b> Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing and head hazards.</p>	 <p><b>Running Hazard</b> Do not run on or near the product as doing so may present a fall hazard.</p>	 <p><b>Diving Hazard</b> Do not dive into the product as doing so may present a neck / head injury hazard.</p>	 <p><b>Adult Supervision Required</b> Always supervise children and other users of a product to prevent drowning or injury.</p>
 <p><b>Skin Penetration / Puncture Hazard</b> The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.</p>	 <p><b>Hot Surface Hazard</b> Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.</p>	 <p><b>Flying Debris Hazard</b> Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.</p>	 <p><b>Moving Parts Hazard</b> Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.</p>

 <p><b>Carbon-Monoxide Hazard</b> Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>	 <p><b>Pull Hazard</b> Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p><b>Slope / Fall Injury Hazard</b> Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.</p>	 <p><b>"Slam Dunk" Warning</b> Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.</p>
 <p><b>Electrocution / Electrical Shock Hazard - Outdoor</b> High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp or wet conditions. Electrical shock can be fatal.</p>	 <p><b>Electrocution / Electrical Shock Hazard - Disconnect</b> High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.</p>	 <p><b>Power Line Electrocution Hazard</b> High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</p>	 <p><b>"Kick-Back" Hazard</b> High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.</p>
 <p><b>Winch Operator Position Hazard</b> Do NOT stand between winch and load. Do NOT use winch to move people.</p>	 <p><b>Winch Lift Hazard</b> Do NOT LIFT load vertically. Use machine to PULL only.</p>	 <p><b>Cable Hazard</b> Ensure that load bearing cable is not kinked or knotted.</p>	 <p><b>Winch Cable Hazard</b> Ensure that there is a minimum number of cable coils on winching mechanism.</p>
 <p><b>Winch Hook Hazard</b> Carry hook to load – do NOT throw or run.</p>	 <p><b>Flash / Blinding Hazard</b> Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.</p>	 <p><b>Laser Hazard</b> Laser may be in use – do NOT look directly at laser or allow others to.</p>	

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# Parts Identification

## GKF-06B & GKF-06S

### Cover

Ice-making compartment

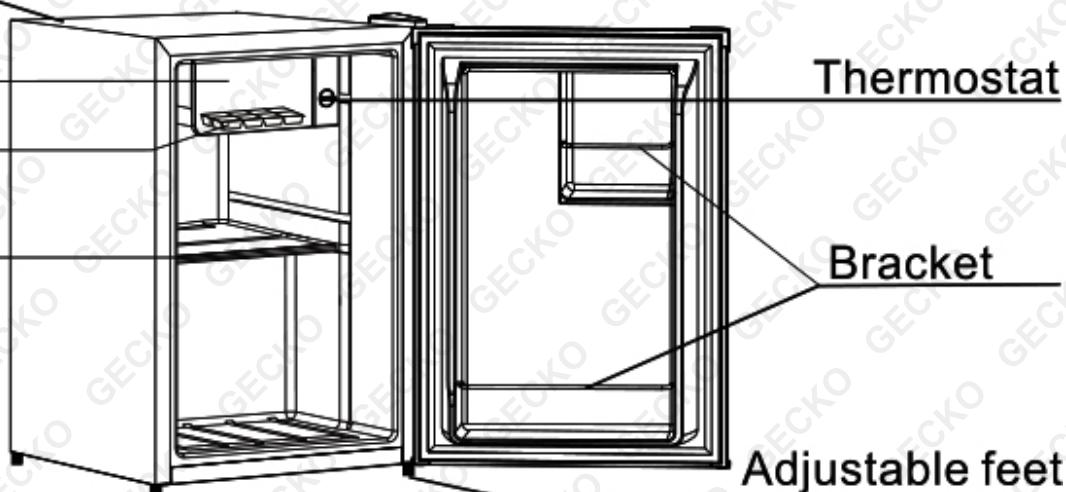
Ice tray

Fridge shelf

Thermostat

Bracket

Adjustable feet



## GKFF-10B & GKFF-10S

### Cover

Thermostat

Fridge shelf

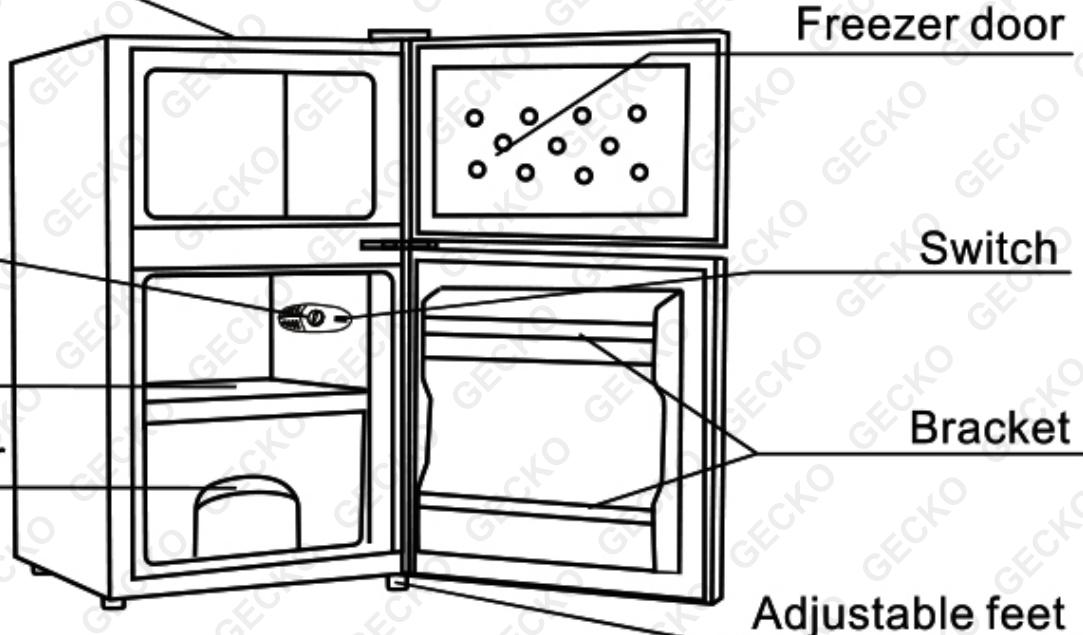
Vegetable crisper

Freezer door

Switch

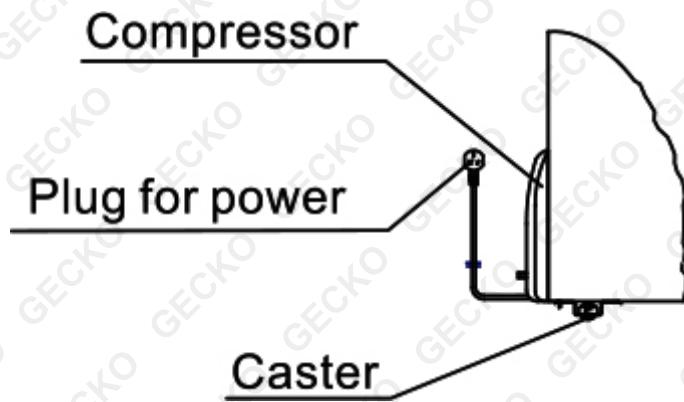
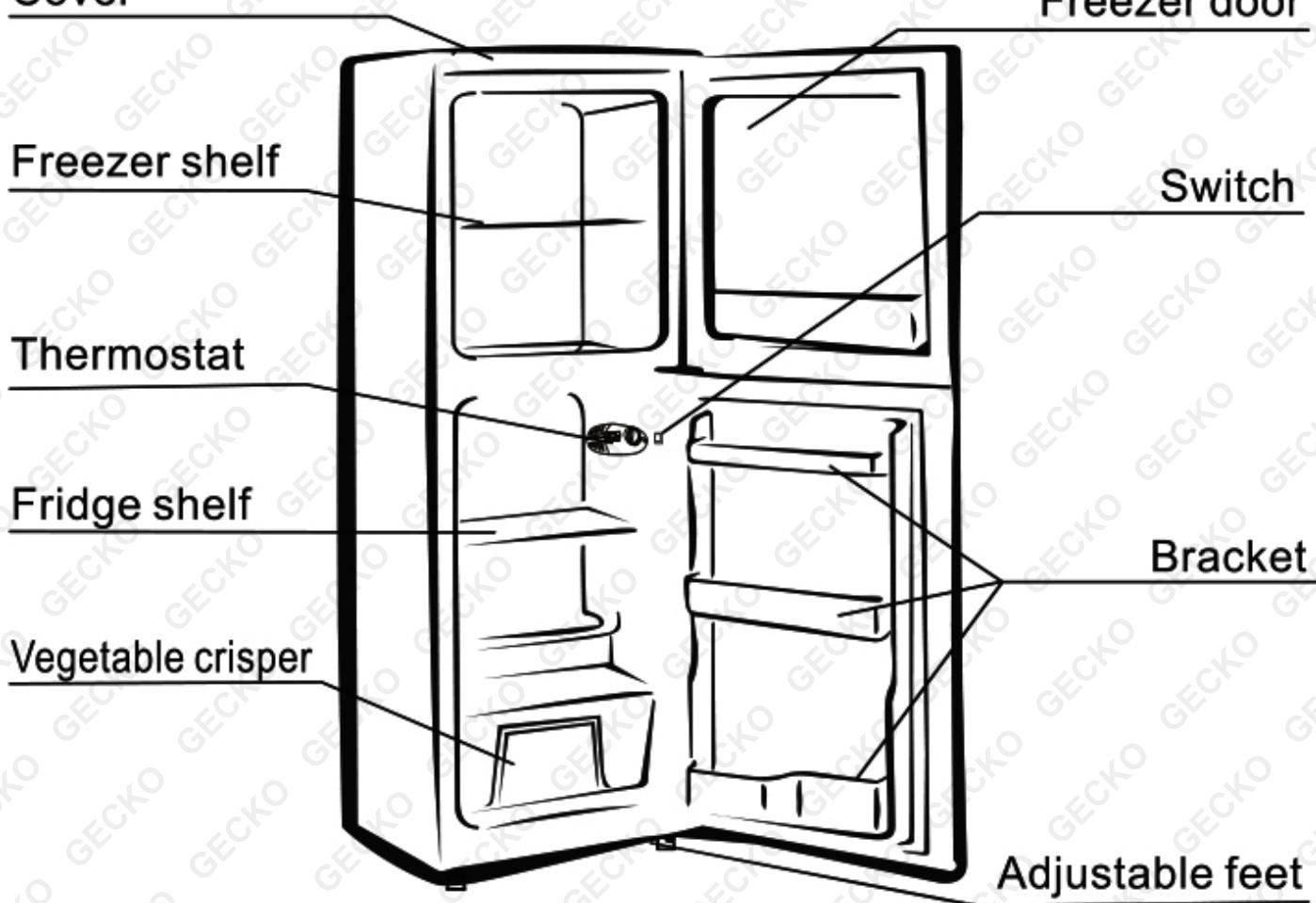
Bracket

Adjustable feet



# GKFF-13B & GKFF-13S

## Cover



# Installation

## Ventilation

Ensure there is good ventilation around the fridge for easy dissipation of heat, high efficiency of refrigeration and lower power consumption. Sufficient clear space is needed around the fridge; its back should be at least 100mm away from the wall, its sides at least have a space of 200mm separately and the height from over its top is not less than 300mm. A clear space should be left to open for its doors.

## Power Cord

The cord should neither be lengthened nor folded into a coil during operation. Do not position the cord too closely to the compressor at the back of the fridge. The compressor's surface temperature can be quite high when operating. Letting the cord make contact with the compressor could melt its insulation and cause electrical leakage.

## Power Supply

The fridge should only be operated with a power supply of DC 12V/24V.

## Moisture Protection

Avoiding positioning the fridge in a place where there is heavy moisture/humidity to minimise the possibility of rust forming on its metallic parts. Also, do not directly spray the fridge with water, otherwise, it would cause poor insulation and current leakage may occur.

## Stable Surface

Floor on which fridge will be placed must be flat and solid. It should not be laid on any soft material such as foam or plastic. If the ridge is not on the same level, adjust the screws accordingly. The fridge should not be placed near anything which may produce echoes.

## Heat Protection

The fridge should not be positioned directly under the sun or near strong sources of heat.

## Hazardous Items

Do not position the fridge near any volatile or combustible liquids such as gas, petrol, alcohol, lacquer, oil, etc. Also, do not store these liquids in the fridge.

## Moving the Fridge

When already fixed or moved, the fridge cannot be set horizontally or declined to less than 45° or upside-down.

# Operation

## Pre-Operation

After the fridge has been well-placed, wait for 5 minutes before connecting the power cord. Don't store anything in it yet until the temperature inside the fridge becomes low enough.

## Defrosting

A very thick layer of frost in the freezer compartment will have an effect on the cooling performance of the fridge. If the frost's thickness is more than 5mm, please defrost the fridge in a timely manner. To defrost, pull out the power plug first, then take out all food items from the fridge. Open the door until all the frost and ice have melted, then wipe off excess water with a clean, dry cloth.

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**NOTE:** Never use sharp tools or objects to scrape off the frost or use hot water or hair driers/blowers to melt the frost. These can damage the fridge's inner wall.

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## Insufficient Refrigeration

- Too much food items are stored in the fridge, blocking the flow of cold air.
- The fridge doors are not closing properly.
- Refrigeration leakage occurring due to broken or bent door gaskets.
- Bad ventilation around the fridge.
- Too much hot food items are placed inside the fridge.
- There is no free space around the fridge.
- The fridge is placed under direct sunshine or near strong heat sources.

# Specifications

## GKF-06B



<b>Volume</b>	57L
<b>Freezer Temperature Range</b>	-18°C – 0°C
<b>Fridge Temperature Range</b>	0°C – 10°C
<b>Ambient Temp.</b>	Up to 38°C
<b>Refrigerant</b>	R134a, 55g
<b>Rated Power</b>	55W
<b>Voltage</b>	DC 12V/24V, AC 240V
<b>Noise level</b>	≤ 40dB
<b>Power Plug</b>	Australian Standard

## GKF-06S



<b>Volume</b>	57L
<b>Freezer Temperature Range</b>	-18°C – 0°C
<b>Fridge Temperature Range</b>	0°C – 10°C
<b>Ambient Temp.</b>	Up to 38°C
<b>Refrigerant</b>	R134a, 55g
<b>Rated Power</b>	55W
<b>Voltage</b>	DC 12V/24V, AC 240V
<b>Noise level</b>	≤ 40dB
<b>Power Plug</b>	Australian Standard

## GKFF-10B



<b>Volume</b>	95L
<b>Freezer Temperature Range</b>	-18°C – 0°C
<b>Fridge Temperature Range</b>	0°C – 10°C
<b>Ambient Temp.</b>	Up to 38°C
<b>Refrigerant</b>	R134a, 55g
<b>Rated Power</b>	72W
<b>Voltage</b>	DC 12V/24V, AC 240V
<b>Noise level</b>	≤ 40dB
<b>Power Plug</b>	Australian Standard

## GKFF-10S



<b>Volume</b>	95L
<b>Freezer Temperature Range</b>	-18°C – 0°C
<b>Fridge Temperature Range</b>	0°C – 10°C
<b>Ambient Temp.</b>	Up to 38°C
<b>Refrigerant</b>	R134a, 55g
<b>Rated Power</b>	72W
<b>Voltage</b>	DC 12V/24V, AC 240V
<b>Noise level</b>	≤ 40dB
<b>Power Plug</b>	Australian Standard

## GKFF-13B



<b>Volume</b>	125L
<b>Freezer Temperature Range</b>	-18°C – 0°C
<b>Fridge Temperature Range</b>	0°C – 10°C
<b>Ambient Temp.</b>	Up to 38°C
<b>Refrigerant</b>	R134a, 55g
<b>Rated Power</b>	72W
<b>Voltage</b>	DC 12V/24V, AC 240V
<b>Noise level</b>	≤ 40dB
<b>Power Plug</b>	Australian Standard

## GKFF-13S



<b>Volume</b>	125L
<b>Freezer Temperature Range</b>	-18°C – 0°C
<b>Fridge Temperature Range</b>	0°C – 10°C
<b>Ambient Temp.</b>	Up to 38°C
<b>Refrigerant</b>	R134a, 55g
<b>Rated Power</b>	72W
<b>Voltage</b>	DC 12V/24V, AC 240V
<b>Noise level</b>	≤ 40dB
<b>Power Plug</b>	Australian Standard



**Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

