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ECO-F SERIES


PLEASE READ & RETAIN USER MANUAL FOR FUTURE REFERENCE

USER MANUAL

Contents

| | |
|-------------------------------------|------|
| Important Safety Warnings | 3-4 |
| Intended Usage & Environment | 4 |
| Operating Instructions | 5-7 |
| Moving & Handling Your Appliance | 7 |
| Maintenance & Defrost | 7-8 |
| Contamination Prevention Guidelines | 8 |
| Troubleshooting Guide | 9-10 |
| Product Specification | 11 |
| EPREL | 12 |
| Warranty | 12 |
| Environmental Friendly Disposal | 12 |

Important Safety Warnings

- **Caution When Positioning:** Ensure the appliance's power cable is neither trapped nor damaged during positioning.
- **Power Socket:** Refrain from positioning portable power sockets or cables at the rear of the appliance.
- **Child Entrapment Risk:** Exercise caution to prevent the risk of child entrapment.
- **Ventilation Clearance Warning:** Maintain adequate ventilation openings around the appliance; it should remain unobstructed without any door coverings.
- **Refrigerant Circuit Warning:** Avoid damaging the refrigerant circuit.
- **Defrosting Caution:** Use only recommended methods to defrost; sharp objects or other tools may cause permanent damage.
- **Electrical Appliance Use Warning:** Refrain from using electrical appliances inside the fridge unless manufacturer recommended.
- **Disposal Precautions:** Before disposing of the appliance, remove doors and leave shelves/drawers in place.
- **Flammable Materials Caution:** Never allow children to interact with the appliance, avoid cleaning with flammable liquids, and keep flammable materials away from the appliance.
- **Cleaning Instructions:** Use non-abrasive cleaners or soapy water for  cleaning; avoid solvents.
- **Fire Hazard Symbol:** Symbol ISO 7010 W021 indicates a fire hazard.
- **Ventilation Clearance:** Maintain a minimum of 3-5cm clearance at the top of the appliance, and a 3-5cm clearance on each side of the appliance for proper ventilation and heat dissipation.
- **Door Openings:** Minimise the time the door is open to maintain a stable temperature.
- **General Installation Guidelines:** Avoid heat sources and direct sunlight, install on a flat, clean, stable surface, and refrain from placing other electrical equipment on the appliance.
- **Damp Environment Warning:** Ensure the appliance is not placed in damp areas.
- **Circuitry and Power Plug:**
 - The circuitry for the refrigerator must be isolated. The area of cross section of wire must be larger than 0.75mm.
 - The power plug should have its own socket, grounded, as an adapter may cause the socket to overheat.
 - The voltage and frequency of this product should be 220-240V; 50Hz. Contact a local qualified electrician or retailer in case of electrical cord damage.
 - Always disconnect the power by pulling the power plug out of the socket directly and not by the cord.

Important Safety Warnings

- **Supervision and Usage:** Persons with low physical, sensory, and mental capabilities (including children below 8 years) are not advised to use this appliance unless they are well supervised/instructed by a safety person. Children should be supervised to ensure that they do not play with the appliance. Cleaning and user maintenance should not be done by children without supervision.
- **Ventilation Opening:** Ensure the ventilation opening in the appliance enclosure is clear of obstruction.
- **Disposal Instructions:** Before disposing of your old refrigerator or freezer, take off the doors and leave the shelves/drawers in place to prevent easy access for children.
- **Prohibited Storage:** Do not store explosive devices/substances such as aerosol cans with a flammable propellant in the appliance.
- **Intended Use:** This appliance is intended for household and similar applications.
- **Use of Electrical Appliance:** Do not use electrical appliances inside the food storage compartments of the appliance unless recommended by the manufacturer.
- **Replacement of Faulty Parts:** All affected or faulty parts (including the light) must be changed by a certified technician.
- **Supply Cord Replacement:** To avoid hazards, the supply cord must always be replaced by the manufacturer, its service agent, or similarly a certified/qualified person when damaged.
- **Built-in Appliance Use:** This refrigerating appliance is not intended to be used as a built-in appliance.

Intended Usage & Environment

- **Intended Use and Temperature Range:** This appliance is specifically designed for indoor use within households and similar applications, excluding catering and non-retail environments. It operates optimally within a room temperature range of 16°C to 32°C.
- **Age Recommendation and Supervision:** This appliance is intended for use by individuals aged 8 years or older. Individuals with reduced physical, sensory, or mental abilities may use this item, provided they are under appropriate supervision. Cleaning and user maintenance activities should be overseen. It is crucial to provide clear instructions on safe usage and address any associated risks.
- **Child Safety Warning:** Refrain from using this product in areas accessible to children, and do not permit unsupervised use by children. The appliance is not designed for play by children.
- **Built-in Use:** This appliance is not intended for built-in use.

Operating Instructions

Before Putting Your Appliance Into Use

- Remove all inner and outer packaging components, including adhesive transport tapes.
- Verify that none of the following are missing:
 - Removable Shelves/Drawers
 - Operating Manual
- Allow the appliance to stand upright for a minimum of 2 hours before connecting it to a power supply. This minimises the risk of refrigeration system malfunction due to transport & handling.
- Clean the inner surfaces of the unit with a soft cloth and warm, soapy water. Avoid using any abrasive cleaners or solvents.
- Place the unit on a stable surface that can withstand its weight, making sure to adjust the front feet for stability. Ensure the surface is firm, flat, and level to reduce noise and vibration. Tighten the adjustable legs to the floor and tilt the appliance slightly backward to ensure the door closes tightly.
- Install the appliance away from direct sunlight and heat sources to prevent damage to the coating and reduce power consumption. Extreme temperatures can affect proper operation.
- Maintain a minimum of 3-5cm clearance at the top of the appliance, and a 3-5cm clearance on each side of the appliance for proper ventilation and heat dissipation.
- Do not install the unit in unheated buildings, outbuildings, or garages.
- This unit is for indoor use only.
- Before connecting the unit to the power supply, ensure the drip tray is correctly positioned for the Eco35F and Eco60F models. Please note that the Eco90F does not have a drip tray; defrost water will collect in the drawers and must be poured out, then wiped dry and clean.

Caution: Keep the unit away from any substances that may cause combustion.

Operating Instructions

Setting the Temperature Control

Position [OFF] means that the appliance is in the switched-off state. Turn the temperature control clockwise from this position, the appliance switches on automatically.

The power levels control the different values of the internal temperature.

| Power Level | |
|-------------|--|
| MIN/COOL | Lowest level, warmest internal temperature. |
| MID/COLD | Medium level, optimal operating temperature. |
| MAX/COLDEST | Highest level, coldest internal temperature. |

The temperature changes depending on the ambient temperature of the room, the frequency of opening the door and the equipment.

For initial operation, first set the lowest possible internal temperature (=highest power level) until the appliance has reached the desired operating temperature. It is recommended to reset to a medium power level afterwards, then you can easily make any temperature correction.

For optimised food storage and to avoid food waste, a medium power level is generally best. A high power level also increases energy consumption.

Note:

Beware of high settings: the compressor is running continuously.

If the unit is unplugged or turned off, wait for 3 to 5 minutes before restarting to avoid malfunctioning.

Door Reversal

1. Use a flathead screwdriver to gently prise up and slide forward the top hinge cover on the right side, removing it.
2. Utilise a battery drill with a 'Phillips head' to unscrew the three screws securing the top hinge, then lift off the hinge and set it aside.
3. Carefully lift the door straight upwards and place it to one side.
4. Lay the fridge on its back to access the three screws holding the bottom hinge. Remove these screws with the battery drill.

Operating Instructions

5. Attach the bottom hinge to the opposite side, using the same hole pattern as before.
6. Place the door back onto the bottom hinge pin.
7. Before re-fitting the top hinge on the fridge's top, remove the blanking plate.
8. Ensure the door is level and straight, then use the battery drill to securely tighten the screws back into place.
9. Return the fridge to an upright position and wait 2-3 hours before switching it back on.

Moving & Handling Your Appliance

How to Safely Disconnect Your Fridge

Take note of the position of each accessory when packing the appliance.

When re-packing for transportation, ensure everything is securely packed and accessories are securely in place.

Avoid lifting or pulling the door or handle during transport to prevent damage.

Allow a minimum of 2 hours standing time before reconnecting the appliance to power.

Keep the appliance tilted at less than a 45-degree angle from the vertical direction while moving to prevent damage. Minimise exposure to strong vibrations during transportation.

Maintenance & Defrost

- **Preparation for Maintenance**
Disconnect the appliance from the power source and remove all contents.
- **Interior Maintenance:**
Clean the inside of the appliance with clean water and a non-hazardous cleaner, then wipe it dry with a cloth. Avoid using any abrasives or solvents during cleaning.
- **Door Gasket Maintenance:**
Thoroughly clean the door gaskets to prevent potential damage and increase operational life.
- **Outer Maintenance:**
Remove dust using a dry, clean cloth to maintain the external cleanliness of the appliance.

Regular Cleaning and Upkeep:

This appliance requires regular upkeep and cleaning for optimal performance. For safety, always disconnect the plug from the main power source before initiating cleaning procedures.

Maintenance & Defrost

Defrosting Process:

Manual defrosting involves the following steps:

- Remove all contents from the appliance.
- Take out the shelves/drawers.
- Unplug the power cable.
- Open the doors and wait for the natural thawing process.
- Wipe away the defrost water with a dry cloth.

Note: In the event of excessive ice build-up, the drip tray may overflow with surplus water. Wipe up any spillage using dry cloths or paper towels.

Only the Eco35F and Eco60F models are equipped with a drip tray. The Eco90F model does not have a drip tray; defrost water will collect in the drawers and must be poured out, then wiped dry and clean.

Caution: Do not employ alternative equipment or methods to aid the defrosting process, as it may cause damage to the cooling system.

Contamination Prevention Guidelines

To prevent food contamination and ensure safe usage of your appliance, follow these guidelines:

- Avoid prolonged door openings to prevent a significant increase in internal temperature, which can lead to food spoilage.
- Regularly clean surfaces that come in contact with food, such as shelves, drawers, and door seals, using a mild detergent and warm water.
- Ensure accessible drains are also kept clean to prevent the build-up of dirt and bacteria.

If the appliance will be unused for an extended period, take the following steps:

- Switch off the fridge.
- Defrost the appliance if necessary (refer to page 7).
- Clean and dry the interior thoroughly.
- Leave the door open slightly to allow air circulation and prevent the growth of mold and mildew.
- Refrain from storing explosive substances, such as aerosol cans with flammable propellants, in the appliance to avoid potential hazards.
- In the event of a damaged power cable, only a local qualified electrician or retailer should carry out replacement to mitigate potential safety hazards.

Troubleshooting Guide

| PROBLEM | POSSIBLE CAUSES & SOLUTIONS |
|---|---|
| The appliance does not work | <p>Ensure proper connection.</p> <p>Check if the circuit-breaker is tripped or if the fuse is blown.</p> <p>Verify the power socket by connecting another electrical appliance.</p> |
| The appliance is not cold enough | <p>Adjust the temperature setting.</p> <p>In high ambient temperatures, consider setting the fridge to a colder temperature.</p> <p>Limit frequent door openings.</p> <p>Ensure the door is fully closed and the seal is positioned correctly.</p> <p>Allow sufficient space around the fridge for proper ventilation.</p> <p>If ice is present conduct a manual defrost.</p> |
| The appliance operates continuously | <p>Ensure ambient room temperature is within the operating range. Reduce the number of items inside.</p> <p>Minimise door openings.</p> <p>Ensure the door is completely closed - confirm the proper positioning of the door seal.</p> <p>Check/adjust the temperature control setting.</p> <p>Ensure sufficient ventilation space.</p> |
| Vibrations / The appliance seems to be making too much noise. | <p>Ensure the appliance is leveled correctly and adjust feet if necessary.</p> <p>Make sure to properly position the shelves/drawers of the appliance within their grooves to minimise noise.</p> |

Troubleshooting Guide

| PROBLEM | POSSIBLE CAUSES & SOLUTIONS |
|----------------------------------|---|
| The door does not close properly | <p>Ensure the appliance is leveled correctly and adjust feet if necessary.</p> <p>Adjust shelves/drawers or contents that may obstruct proper door closure.</p> <p>Ensure lock & locking plate are in the correct position.</p> |

Product Specification

| Model | ECO35F | ECO60F | ECO90F |
|-----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Colours | Black/White | Black/White | Black/White |
| Cooling System | Direct-Cooling | Direct-Cooling | Direct-Cooling |
| Temperature Range | -12°C to -20°C | -12°C to -20°C | -12°C to -20°C |
| Climate Class | N/ST | N/ST | N/ST |
| Net Volume | 31L | 42L | 85L |
| Energy Class | E | E | E |
| Noise (dB) | 39dB | 40dB | 39dB |
| External Dimensions (WxDxH) | 470x450x510 (mm) | 470x452x630 (mm) | 505x525x830 (mm) |
| Internal Dimensions (WxDxH) | 345x335x370 (mm) | 345x335x485 (mm) | 388x399x696 (mm) |
| Packing Dimensions (WxDxH) | 530x500x530 (mm) | 520x500x650 (mm) | 552x572x855 (mm) |
| Gross Weight | 17.5kg | 21kg | 29kg |
| Net Weight | 15.5kg | 18kg | 26kg |
| No. of Shelves/Drawers | 1 | 2 | 4 |
| Door Material | Black—PCM Matt / White—PCM Glossy | Black—PCM Matt / White—PCM Glossy | Black—PCM Matt / White—PCM Glossy |
| Input Power (W) | 40W | 40W | 50W |
| Refrigerant gas | R600a | R600a | R600a |
| Refrigerant grams | 22g | 25g | 38g |
| Lock and Key | No | No | No |
| Certification | CE, ERP, UKCA, ROHS | CE, ERP, UKCA, ROHS, REACH | CE, ERP, UKCA, ROHS |
| Plugs included | British Standard | British Standard | British Standard |

EPREL

The appliance's actual consumption is influenced by its usage and location. For detailed model information, refer to the product database outlined in Regulation (EU) 2019/2016, accessible via the following link or by scanning the QR Codes below:

<https://eprel.ec.europa.eu/screen/product/refrigeratingappliances2019>



ECO35F



ECO60F



ECO90F

Warranty Registration

To register your product warranty, kindly visit www.subcold.com/pages/product-registration and fill out the online form.

Environmental Friendly Disposal



To avoid any harm to the environment or human health caused by improper disposal of electrical waste, recycle the appliance responsibly to promote the reuse of material resources. Disposal must be done safely at public collection points provided for this purpose.

Older refrigerators may contain CFCs that destroy the ozone layer; contact your nearest waste treatment centre for more details on proper disposal procedures.



 sales@subcold.com

 01506 440557

 @subcoldltd

 @subcold_official

Subcold Ltd.

28/2 Firth Road
Houstoun Industrial Estate
Livingston, EH54 5DJ, United Kingdom.
www.subcold.com

Authorised Representative

Authorised Rep Compliance Ltd.
Ground Floor, 71 Lower Baggot Street
Dublin, D02 P593, Ireland.
www.arccompliance.com