

PKM KS93E Cold Storage Zone Instruction Manual

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TECHNOLOGY FOR DOMESTIC USE Instruction Manual FRIDGE



KS93E / KS93EB / KS93ESI picture shows KS93E www.pkm-online.de

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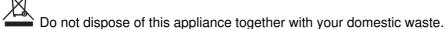
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KS93E Cold Storage Zone

Dear customer! We would like to thank you for purchasing a product from our wide range of domestic appliances. Read the complete instruction manual before you operate the appliance for the first time. Retain this instruction manual in a safe place for future reference. If you transfer the appliance to a third party, also hand over this instruction manual.



The appliance must be disposed of at a collecting centre for recyclable electric and electronic appliances. Do not remove the symbol from the appliance.

The figures in this instruction manual may differ in some details from the current design of your appliance. Nevertheless, follow the instructions in such a case.

Delivery without content.

- Any modifications, which do not influence the functions of the appliance. shall remain reserved by the manufacturer.
- Please dispose of the packaging with respect to your current local and municipal regulations.
- The appliance you have purchased may be an enhanced version of the unit this manual was printed for. Nevertheless, the functions and operating conditions are identical. This manual is therefore still valid. Technical modifications as well as misprints shall remain reserved.

DECLARATION OF CONFORMITY

- ★ The products, which are described in this instruction manual, comply with the harmonized regulations.
- ★ The relevant documents can be requested from the final retailer by the competent authorities.

MAKE SURE THAT THIS MANUAL IS AVAILABLE TO ANYONE USING THE APPLIANCE AND MAKE SURE THAT IT HAS BEEN READ AND UNDERSTOOD PRIOR TO USING THE DEVICE.

Safety information

THE APPLIANCE FOR THE FIRST TIME.

All information included in those pages serve for the protection of the operator. If you ignore the safety instructions, you will endanger your health and life.

- Store this manual in a safe place so you can use it whenever it is needed. Strictly observe the instructions to avoid damage to persons and property.
- Check the technical periphery of the appliance! Do all wires and connections to the appliance work properly? Or are they time-worn and do not match the technical requirements of the appliance? A check-up of existing and newly-made connections must be done by an authorised professional. All connections and energy-leading components (incl. wires inside a wall) must be checked by a qualified professional. All modifications to the electrical mains to enable the installation of the appliance must be performed by a qualified professional.
- The appliance is intended for private use only as well as to be used (1) in staff kitchen areas of shops, offices and other working environments; (2) by clients in hotels, motels, B&B and other residential type environments; (3) for catering and similar non-retail applications.
- The appliance is intended for cooling food only.
- The appliance is intended for indoor-use only.
- 1 The appliance is not intended to be operated for commercial purposes, during camping and in public transport.
- Operate the appliance in accordance with its intended use only.
- Do not allow anybody who is not familiar with this instruction manual to operate the appliance.
- This appliance may be operated by children aged from 8 years and above as well as by persons with reduced physical, sensory and mental capabilities or lack of experience and knowledge if they are supervised or have been instructed concerning the safe use of the appliance and do comprehend the hazards involved. Children between 3 and 8 years are allowed to load and unload refrigerators. Children must not play with the appliance. Cleaning and user-maintenance must not be carried out by children unless they are supervised.

1.1 Signal words

△ DANGER! indicates ahazardous situation which, ifignored, will result in death orserious injury.

CAUTION! indicates a hazardous situation which, if not avoided, may result in minor or moderate injury.

⚠ WARNING! indicates a hazardous situation which, if ignored, could result in death or serious injury.

NOTICE! indicates possible damage to the appliance.

1.2 Safety instructions



To reduce the risk of electrocution

- 1. Non-compliance of the orders of this instruction manual will endanger the life and health of the operator and/or can result in damages to the appliance.
- 2. Do not connect the appliance to the mains if the appliance itself or the power cord or the plug are visibly damaged.
- 3. The technical data of your energy supplier must meet the data on the rating plate of the appliance.
- 4. Do not modify the plug provided with the appliance, if it will not fit the outlet, have a proper outlet installed by a qualified electrician (not covered by the guarantee).
- 5. Never try to repair the appliance yourself. If the appliance does not operate properly, please contact the aftersales service or the shop you purchased the appliance at. Original spare parts should be used only.
- 6. Always check that the power cord is not placed under the appliance or damaged by moving the appliance.
- 7. When the power cord is damaged, it must be replaced by the manufacturer or an authorised aftersales service or a qualified professional only.

- 8. Never pull the power supply cable to unplug the appliance. Always use the power plug itself to unplug the appliance. RISK OF ELECTRIC SHOCK!
- 9. Never touch the power plug, the power switch or other electrical components with wet or damp hands. RISK OF ELECTRIC SHOCK!

△ WARNING!

To reduce the risk of burns, electrocution, fire or injury to persons

- 1. This appliance is equipped with the environmental-friendly refrigerant R600a. The refrigerant R600a is inflammable.
 - The components of the cooling circuit must neither be damaged during transport nor use.
- 2. If any part of the cooling circuit is damaged, the appliance must not stand near a fire, naked light or sparkgenerating devices. Contact the aftersales service or the shop you purchased the appliance at immediately.
- 3. If gas is set free at the installation site:
 - a) Open all windows.
 - b) Do not unplug the appliance and do not use the control panel or thermostat.
 - c) Do not touch the appliance until all the gas has gone.
 - d) Otherwise sparks can be generated which will ignite the gas.
- 4. Keep all components of the appliance away from fire and other sources of ignition when you dispose of or decommission the appliance.
- 5. Do not install the appliance near of volatile or combustible materials (e.g. gas, fuel, alcohol, paints) and in rooms which may have poor air circulation (e.g. garage).
- 6. EXPLOSION HAZARD! Do not store any explosive materials or sprays, which contain flammable propellants, in your appliance. Explosive mixtures can explode there.
- 7. While unpacking, the packaging materials (polythene bags, polystyrene pieces, etc.) should be kept away from children and pets. CHOKING HAZARD! RISK OF INJURY!
- 8. Always observe the required minimum distances for proper ventilation.
- 9. Do not connect the appliance to the electric supply unless all packaging and transit protectors have been removed.
- 10. Operate the appliance with 220~240V/50Hz/AC only. All connections and energy-leading components must be replaced by an authorised professional.
- 11. Do not use a socket board or a multi socket when connecting the appliance to the mains.
- 12. Never place portable multiple sockets or portable power supplies behind the appliance. RISK OF FIRE!
- 13. A dedicated and properly grounded socket meeting the data of the plug is required to minimize any kind of hazard. The appliance must be grounded properly.
- 14. Always check that the power cord is not placed under the appliance or damaged by moving the appliance.
- 15. The technical data of your energy supplier must meet the data on the model plate of the appliance.
- 16. Your domestic circuit must be equipped with an automatic circuit breaker.
- 17. Do not modify the appliance.
- 18. Turn off the power before you install the appliance and before you connect it to the mains. RISK OF FATAL ELECTRIC SHOCK!
- 19. Disconnect the appliance from the mains before you clean or maintain it. RISK OF ELECTRIC SHOCK!
- 20. Remove possible dust accumulation at the power plug, at the safety power socket and at all plug connectors

- regularly. RISK OF FIRE!
- 21. Keep the cord away from heated surfaces.
- 22. The power plug must always be accessible afterinstallation.
- 23. Do not use a socket board or a multi socket when connecting the appliance to the mains.
- 24. Do not connect the appliance to an energy saving plug (e.g. Sava Plug) and to inverters which convert direct current (DC) into alternating current (AC), e.g. solar systems, power supply of ships.
- 25. Do not use any electric appliances inside the food storage compartments of your appliance unless they are recommended by the manufacturer of your refrigerator.
- 26. Do not put any heat-radiating appliances onto your appliance.
- 27. Do not install the appliance in a place where it may come in contact with water/rain; otherwise the insulation of the electrical system will be damaged.
- 28. Do not put a water-boiler or vases onto your appliance. The electrical components of your appliance can be seriously damaged by water over-boiling or spilled water.
- 29. Do not use any steam cleaners to clean or defrost the appliance. The steam can get into contact with the electrical parts and cause an electrical short. RISK OF ELECTRIC SHOCK!
- 30. Never use mechanic devices, knives or other sharpedged items to remove encrusted ice inside the appliance.

 RISK OF ELECTRIC SHOCK caused by damaging the interior of the appliance.
- 31. Do not eat food which is still frozen. The coldness can cause injuries in the mouth.
- 32. Contact with frozen food, ice and metal components in the freezer compartment burns. can cause injuries similar to
- 33. Children must never play with the appliance.
- 34. If you decommission your appliance (even temporarily), ensure that children cannot get into the appliance. Strictly observe the corresponding safety instructions numbers. 1 and 4, chapter DECOMMISSIONING, ultimate
- 35. Strictly observe the instructions in chapter INSTALLATION.

△ CAUTION!

- The condenser and the compressor can reach high temperatures during ordinary operation. Carry out the installation according to this manual. An insufficient ventilation of the appliance will impair its operation and will damage the appliance. Do not cover or block the ventilation slats at any time.
- 2. Do not put any bottled or canned beverages (neither still nor carbonated) into the fresh zone of the appliance as their containers could explode.
- 3. Do not touch extremely cooled surfaces with wet or damp hands, because your skin may stick on these surfaces.

NOTICE

- 1. Do not store dry ice in the appliance.
- 2. When you move the appliance, hold it at its base and lift it carefully. Keep the appliance in an upright position.
- 3. Do not tilt the appliance more than 450.
- 4. If the appliance is transported in a horizontal position, some oil may flow from the compressor into the refrigerant circuit.
- 5. Leave the appliance in an upright position for 4 6 hours before you switch it on to ensure, that the oil has

flowed back into the compressor.

- 6. If you use the appliance for the first time or the appliance has been disconnected from the mains for a longer period of time, allow the appliance to cool down for 3 until 4 hours on medium temperature setting before you place any fresh or frozen food in the appliance. If you place food in the appliance before it has reached its normal operating temperature, this food can thaw and / or spoil.
- 7. Never use the door for moving the appliance as you will damage the hinges.
- 8. The appliance must be transported and installed by at least two persons.
- 9. When you unpack the appliance, you should take note of the position of every part of the interior accessories in case you have to repack and transport it at a later point of time.
- 10. Do not operate the appliance unless all components are installed properly.
- 11. Do not stand or lean on the base, the drawers, the doors etc of the appliance.
- 12. Never close the doors of the appliance while shelves or drawers are extended, otherwise you will damage the shelves / drawers and the appliance.
- 13. Do not put hot liquids or hot foodstuff into the appliance.
- 14. The air vents of the appliance or its built-in structure (if the appliance is suitable for being built-in) must be completely open, unblocked and free of any kind of dirt.
- 15. Do not place any food directly against the air outlet on the rear wall.
- 16. Do not overfill the shelves / drawers /door trays to protect them from damage.
- 17. Clean the appliance at least once a month (s. chapter CLEANING AND MAINTENANCE).
- 18. Empty and clean the drip tray regularly.
- 19. The rating plate must not be removed or made illegible, otherwise all terms of the warranty become invalid!

SAVE THESE INSTRUCTIONS.

★ The manufacturer and distributor are not responsible for any damage or injury in the event of failure to comply with these instructions.

Climatic classes

Look at chap. TECHNICAL DATA for information about the climatic class of your appliance. Your appliance can be operated in rooms with relevant room temperatures as named below.

CLIMATIC CLASS	AMBIENT TEMPERATURE	
SN	+10°→+32°C e.g. unheated cellar	
N	+16°→+32°C inner home temperature	
ST	+16°→+38°C inner home temperature	
Т	+16°→+43°C inner home temperature	

Installation

- All dimensions in these chapters are given in millimetres.
- Insert the plastic wall spacers in the corresponding openings on the back of the appliance to ensure a ventilation gap between the appliance and the wall (see also chapter 3.2.2 WALL S PACERS)
- 1 The minimum distances required for proper ventilation can be found in chapter 3.2.3 VENTILATION.

3.1 Unpacking and positioning

⚠ WARNING! While unpacking, the packaging materials (polythene bags, polystyrene pieces, etc.) should be kept away from children and pets. CHOKING HAZARD! RISK OF INJURY!

- 1. Unpack the appliance carefully. Dispose of the packaging as described in chapter waste management.
- 2. Remove all packaging materials.
- 3. The accessories of your appliance can be protected from damage due to transportation (adhesive tapes etc.). Remove such tapes very carefully. Remove remains of such tapes with a damp cloth using lukewarm water and a mild detergent (see also chapter CLEANING AND MAINTENANCE). Never remove any components of the back of the appliance!
- 4. Install the appliance in a suitable position with an adequate distance from sources of heat and cold.
- 5. If installation near a heat source is unavoidable, use a suitable insulation plate or keep the following minimum distances to the heat source:

To electric cookers	at least 30 mm
To radiators or ovens	at least 300 mm
To another refrigerators	at least 20 mm

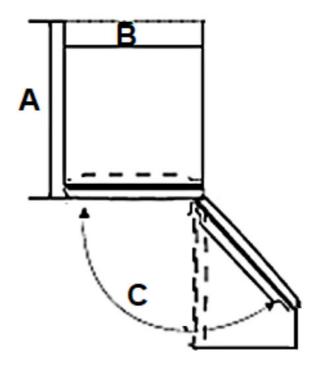
- 6. Check that the appliance and the power cord are not damaged.
- 7. Install the appliance in a dry and well-ventilated place.
- 8. Protect the appliance from direct sunlight.
- 9. The door(s) must open completely and without hindrance.
- 10. Install the appliance on a level, dry and solid floor. Check the correct installation with a bubble level.
- 11. Connect the appliance to the mains properly.
- 12. The rating plate is inside the appliance or at the back.

3.2 Space and ventilation requirements

① Observe the required minimum distances for proper ventilation (s. chapter 3.2.2 WALL SPACERS and chapter 3.2.3 VENTILATION).

3.2.1 Space requirement

SPACE REQUIREMENT OF THE APPLIANCE:



A = DEPTH / B = WIDTH / C = DOOR OPENING ANGLE

Α	В	Height
450mm	475 mm	840 mm

Please observe the additional front and lateral space requirement of the open door(s) relevant to the door opening angle (C) of your appliance.

3.2.2 Ventilation

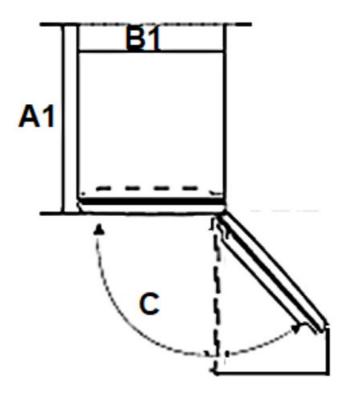
(i) Observe the required minimum distances for proper ventilation.

MINIMUM DISTANCES REQUIRED FOR PROPER VENTILATION:

Back ↔ wall	min. 20 mm
Sides ↔ wall	min. 20 mm
Free space above	min. 100 mm

SPACE REQUIREMENT OF THE APPLIANCE (INCL. MINIMUM DISTANCES FOR PROPER VENTILATION):

I This device is not intended to be built-in.



A 1 = DEPTH / B 1 = WIDTH / C = DOOR OPENING ANGLE

Α	В	Height
min. 464 mm	min. 495 mm	min. 940 mm

Please observe the additional front and lateral space requirement of the open door(s) relevant to the door opening angle (C) of your appliance.

The following minimum distances are recommended by the manufacturer to ensure optimum efficiency of the appliance:

Back ↔ wall	min. 50 mm
Right / left ↔ any piece of furniture / wall	min. 30 mm
Free space above	min. 100 mm

1 These minimum distances may be less, but to do so can increase the power consumption of the appliance.

3.3 Levelling

Use the adjustable supporting feet / foot for proper levelling and for proper air circulation in the lower sectors of the appliance. Adjust the supporting feet / foot using a suitable spanner.

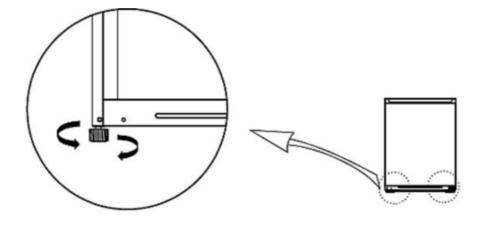


Fig. similar: fig. serves as an example only.

- The appliance must stand in a stable and level position to ensure proper operation. The supporting feet must stand firmly on the ground so that the appliance does not wobble. Adjust the supporting feet / foot accordingly. The firm contact of the supporting feet with the ground also ensures that the appliance does not vibrate or move unintentionally.
- i When the appliance is not levelled, the door and the magnetic seals will not close properly.

3.4 Change of the hinge position

△ WARNING! Switch off and unplug the appliance before changing the hinge position. RISK OF ELECTRIC SHOCK!

CAUTION! The change of the position must be carried out by at least two persons; otherwise you may hurt yourself or damage the appliance.

NOTICE! You should contact a qualified technician if you want to have the door swing reversed. Only try to carry out the steps described below when you believe that you are qualified to do so.

NOTICE! Adjust the doors properly before you finally tighten the screws of the hinges. The seals must close properly.

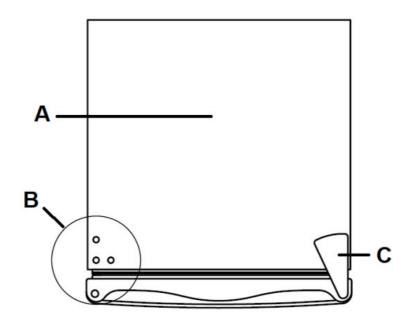
NOTICE! Do not tilt the appliance more than 45°.

PREPARATORY MEASURES

- Empty the appliance.
- If possible, remove all door trays, glass shelves and drawers from the fridge so that they cannot be damaged.
- It is necessary to tilt the appliance backwards while removing the doors. Lean the appliance against a solid and immovable surface so it will not slip while changing the hinge positions.
- Do not lay the unit flat as this can damage the cooling system.
- All parts removed must be saved for proper reinstallation of the doors.
- Always remove the door(s) carefully. Keep the door(s) in a safe place so that they cannot be damaged.

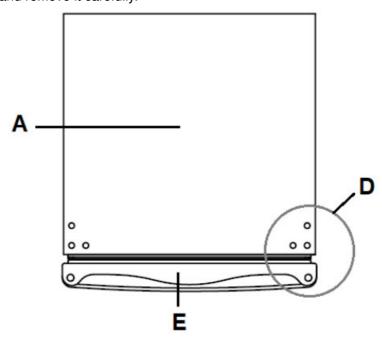
HOW TO CHANGE THE HINGE POSITION

- 1. Disconnect the appliance from the power supply (unplug).
- 2. Slightly tilt the appliance back and secure it in this position. Do not tilt the appliance more than 45°.
- 3. Remove the left screw hole cover (B) on the top of the appliance (A); s. fig. below.
- 4. Remove the right hinge cover (C) on the top of the appliance (A); s. fig below.



А	TOP OF THE APPLIANCE
В	SCREW HOLE COVER
С	HINGE COVER

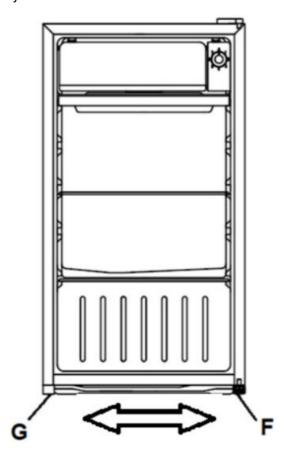
- 5. Unscrew the screws of the upper door hinge (D) using a Phillips screwdriver and remove the door hinge; s. fig below.
- 6. Meanwhile, hold the fridge door with your hand so it cannot drop down.
- 7. Lift the fridge door (E) and remove it carefully.



A	TOP OF THE APPLIANCE
D	SCREW HOLE COVER
Е	DOOR OF THE FRIDGE

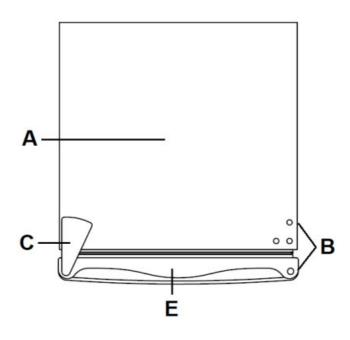
8. Remove the supporting foot (G) and the bottom door hinge (F) and fix them on the opposite side; s. fig below.

9. Do not tighten the screws too firmly.



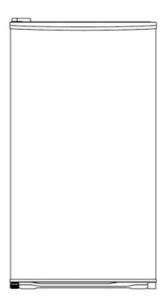
F	BOTTOM DOOR HINGE
G	SUPPORTING FOOT

- 10. Attach the fridge door to the bottom door hinge. For this purpose, insert the hinge axis of the bottom door hinge into the bottom hinge hole of the fridge door carefully. Hold the door in position.
- 11. Align the upper door hinge to the prepared holes on the left side properly. While doing so, insert the hinge axis of the upper door hinge into the upper hinge hole of the fridge door. Screw the hinge using the screws.
- 12. Meanwhile, hold the fridge door with your hand so it cannot drop down.
 NOTICE! Adjust the door properly before you finally tighten the screws of the hinge. The seal must close properly.
- 13. Install the hinge cover (C) and the screw hole cover (B) again; s. fig below.



A	TOP OF THE APPLIANCE
В	SCREW HOLE COVER
С	HINGE COVER
Е	DOOR OF THE FRIDGE

14. Ensure that the fridge door is fixed safely and properly by the hinges; s. fig. below.



NOTICE! Adjust the door properly. The seal must close properly.

Operation

⚠ **WARNING!** To disconnect the appliance from the mains, you must unplug the appliance or use a cut-off device.

4.1 Before initial operation

⚠ WARNING! While unpacking, the packaging materials (polythene bags, polystyrene pieces, etc.) should be

kept away from children and pets. CHOKING HAZARD! RISK OF INJURY!

NOTICE! Leave the appliance in an upright position for at least 4 - 6 hours before you connect it to the mains to ensure, that the oil has flowed back into the compressor.

NOTICE! If you use the appliance for the first time or the appliance has been disconnected from the mains for a longer period of time, allow the appliance to cool down for 3 until 4 hours on medium temperature setting (s. chapter 4.3 SETTING OF THE TEMPERATURE) before you place any fresh or frozen food in the appliance. If you place food in the appliance before it has reached its normal operating temperature, this food can thaw and / or spoil.

- 1. Remove all packaging materials.
- 2. Adjust the feet and clean the appliance (see chapter CLEANING AND MAINTENANCE).
- 3. Do not start the appliance immediately after installation. Wait at least 4 6 hours to ensure proper operation.
- 4. The settings of the temperature of the fridge can be adjusted manually. To do this, turn the thermostat for the temperature to the desired setting. (s. chapter 4.3 SETTING OF THE TEMPERATURE).
- 5. If operation was interrupted, wait at least 5 minutes before restart.
- 6. The appliance needs some time to balance temperatures when you have changed the settings before or when you have stored additional food in the appliance. The duration of this period of time depends on the range of the change, the ambient temperature, the amount of food and the frequency of door-openings. When you set the temperature of both the fridge and freezer, these aspects should be taken into account.
- 7. Operate the appliance according to the instructions described in the following chapters.

4.2 Description of the appliance

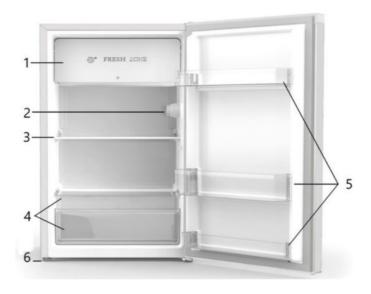


Fig. similar: modifications are possible.

1	FRESH ZONE
2	ADJUSTABLE THERMOSTAT
3	GLASS SHELVES
4	CRISPER WITH GLASS COVER
5	DOOR TRAYS
6	ADJUSTABLE FOOT

4.3 Setting of the temperature

- The settings of the temperature of the fridge can be adjusted manually by turning the thermostat of the temperature setting to the desired setting.
- When you set a temperature, you set an average temperature for the whole refrigerator. Temperatures inside each area may vary from the set temperature, depending on how much food you store and where you place them. Ambient temperature may also affect the actual temperature inside the appliance. When you set the temperature of the fridge, these aspects should be taken into account.

SETTING OF THE TEMPERATURE OF THE FRIDGE

- The temperature of the fridge can be adjusted by using the relevant adjustable thermostat.
- A temperature setting of 4°C is recommended for optimal food cooling. The temperature may be affected by the location of the unit, as well as the ambient temperature.
- The adjustable thermostat is in the cooling compartment beside the fresh zone. (s. figures below / s. also fig., chapter 4.2 DESCRIPTION OF THE APPLIANCE).

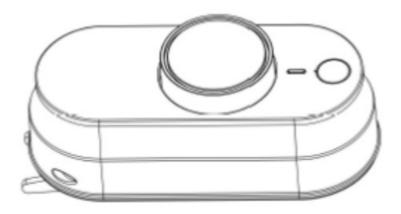


Fig. similar: modifications are possible

SEVEN DIFFERENT REFRIGERATION TEMPERATURES OR COOLING LEVELS CAN BE SET:

Cooling level	0	Cooling: Off
Cooling level	1 – 2	lower / slight cooling
Cooling level	3 – 4	medium / average cooling
Cooling level	5-6	high / strong cooling
Cooling level	7	highest / strongest cooling

- If you turn the temperature controller to 0, the cooling will be switched off.
- \triangleright If you turn the temperature controller to 1 2, the temperature of the fridge will be increased (lower / slight cooling).
- \triangleright If you turn the temperature controller to 3 4, the temperature of the fridge is set to a medium temperature value (medium / average cooling). The cooling levels 3 and 4 are suitable for daily use.
- ▶ If you turn the temperature controller to 5-6 or 7, the temperature of the fridge will be decreased (5-6 = high / strong cooling / 7 = highest / strongest cooling). The higher the setting is, the longer the compressor operates to reach the set cooling temperature.
- i The description of the cooling levels represents standard values only.
- 1 The cooling levels 3 and 4 are suitable for daily use.

I You can ch	eck the temperat	ure inside the	cooling co	ompartment	using a	suitable	thermometer	(not inc	cluded i	n
the scope of de	elivery).									

When the ambient temperature is very high, it is recommended to set the temperature controller to a colder setting if needed (cooling level 5 / 6 or 7). If the colder setting should cause strong formation of encrusted ice, please select a lower setting (cooling levels 1 - 4).

High ambient temperatures and simultaneously operating at the coldest setting may make the compressor operate permanently to keep the temperature constant inside the appliance.

⚠ **WARNING!** The setting 0 switches off the compressor only. You must unplug the appliance to disconnect it from the mains.

NOTICE! If you want to switch off the appliance for a longer period of time, disconnect it from the mains (unplug!). S. also Chapter DECOMMISSIONING, / TEMPORARILY.

4.4 The fridge

The cooling compartment as well as the fresh zone is not intended for storing food for a longer period of time. So, use the cooling compartment and the fresh zone for short-term storage only. Different temperature areas due to the air circulation occur in the appliance. Use these different temperature areas to store different kinds of food.

SHELVES	Food from wheat flour, milk etc. The shelves are removable for cleaning. Adjust the shelves relevant to your needs.
CRISPER 21	Fruit, vegetable, etc.
DOOR TRAYS	Eggs, beverage cans, bottled beverages, packaged foodstuffs etc.
FRESH ZONE	Suitable for the short-term storage of meat, fish, etc. The fresh zone is not suitable for long-term storage of food.

Store covered or packaged food in the appliance only so the smell or taste of the food will not diffuse. The following materials are suitable for proper packaging:

- Food safe cling film / airtight bags and aluminium foil.
- Food safe covering hoods.
- Food safe containers made of plastic / glass / ceramics.
- Store fresh, packaged food on the shelves, fresh fruit and vegetable in the crisper.
- Store fresh meat packaged in protective foil for max. 2 days.
- Let warm food such as cooked meals cool down before you store them in the appliance.
- Store food in such a way that the cooled air can circulate properly.
- Do not place heavy bottles in the bottle pocket as it can come off the door.

NOTICE! Food (especially oily or fatty food) must not come into direct contact with the inner lining of the fridge. The direct contact with the inner lining can cause stains or damages. If liquids have been spilled in the interior of the appliance, remove them immediately using warm water to prevent damages.

4.4.1 Glass shelves

The glass shelves can be removed according to the appliance.

HOW TO REMOVE / INSERT THE GLASS SHELVES:

- Remove all stored food of the relevant glass shelves before.
- i The glass shelves can be inserted into different positions if required.
- 1. Pull the glass shelf on the guide rails forward carefully until you can remove it (you may need to lift the glass

shelf slightly23)

- 2. To reinsert the glass shelf, push it back in position on the guide rails carefully.
- 3. Ensure that the area is free and has no obstacles.

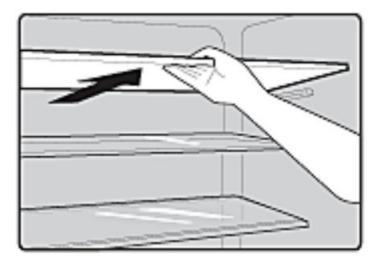


Fig. similar.

1 The glass shelves can be removed and inserted for cleaning as shown above.

Meaning of the *-labelling of freezers

- 1- (*), 2- (**), and 3-stars (***) freezers are not suitable for freezing fresh food.
- 2-stars (**) and 3-stars (***) freezers are suitable for storing frozen food (prefrozen) and ice or for making ice and ice cubes.

COMPARTMENTS	STARS (*)	TARGET STOR AGE TEMPERATUR E	SUITABLE FOOD
FREEZER	(***)*	≤ -18°C	 Suitable for seafood (fish, shrimps, shellfish), freshwater and meat products. Recommended storage period: 3 months Suitable for freezing fresh food.
FREEZER	***	≤ -18°C	 Suitable for seafood (fish, shrimps, shellfish), fr eshwater and meat products. Recommended storage period: 3 months Not suitable for freezing fresh food.
FREEZER	**	≤ -12°C	 Suitable for seafood (fish, shrimps, shellfish), fr eshwater and meat products. Recommended storage period: 2 months Not suitable for freezing fresh food.
FREEZER	*	≤ -6°C	 Suitable for seafood (fish, shrimps, shellfish), fr eshwater and meat products. Recommended storage period: 1 month Not suitable for freezing fresh food.
COMPARTMENTS	STARS (*)	TARGET STOR AGE TEMPERATUR E	SUITABLE FOOD
FRESH ZONE	_	0°C – 8 °C	Suitable for fresh meat products (pork, beef, chi cken, etc.) and processed food consumed or processed within the same day or within the next three days after storage (max.). Not suitable for freezing food or for storing frozen food.

Storage of food

- The operation of your appliance is described generally in the chapters « OPERATION » et seq.; the following explanations will help you to store your food properly.
- Food must not get in touch with the surfaces inside the appliance directly. It has to be wrapped separately in aluminium foil or in cellophane foil or in airtight plastic boxes.

STORING FOOD IN THE REFRIGERATOR COMPARTMENT

The fridge helps to extend the storage times of fresh perishable foods.

PROPER STORAGE OF FRESH FOOD ENSURES BEST RESULTS

- Store food that is very fresh and of good quality only.
- Ensure that food is well wrapped or covered before it is stored. This will help to maintain the freshness of food and prevent it from dehydrating, deteriorating in colour or losing taste It will also prevent odour transfer.
- Vegetables and fruit need not be wrapped if they are stored in the crisper of the fridge compartment.
- Make sure that strong smelling food is wrapped or covered in storage and kept away from foods such as butter, milk and cream as they can be spoiled by strong odours.
- Cool hot food down before placing it in the fridge compartment.

DAIRY FOODS AND EGGS

- Most pre-packed dairy foods have a recommended "use by / best before / best by / date stamped on them. Store them in the fridge compartment and use within the recommended time.
- > Butter can be spoiled by strong smelling foods so it is best stored in a sealed container.
- Eggs should be stored in the fridge compartment.

RED MEAT

- Place fresh red meat on a plate and cover it with waxed paper, plastic wrap or foil.
- Store cooked and raw meat on separate plates. This will prevent any juice lost from the raw meat from contaminating the cooked product.

POULTRY

- Fresh whole birds should be rinsed inside and outside with cold running water, dried and placed on a plate covered with plastic wrap or foil.
- Poultry pieces should also be stored this way.
- Whole poultry must only be filled immediately before cooking to avoid food poisoning.

FISH AND SEAFOOD

- Whole fish and fillets should be used on the day of purchase. Until required, they should be stored in the fridge on a plate which is covered with plastic wrap, waxed paper or foil loosely.
- If storing overnight or longer, take particular care to select very fresh fish.
- Whole fish should be rinsed in cold water to remove loose scales and dirt and then patted dry with paper towels. Place whole fish or fillets in a sealed plastic bag.
- ➤ Keep shellfish chilled at all times. Use within 1 2 days.

PRECOOKED FOOD AND LEFTOVERS

- These should be stored in suitable covered containers so that the food will not dry out.
- Keep for 1-2 days only.
- Reheat leftovers once only and until steaming hot.

CRISPER24

- The crisper is the optimum storage location for fresh fruit and vegetables.
- Take care not to store the following food at temperatures of less than 7 °C for long periods: citrus fruit, melons, pineapple, papaya, passion fruit, cucumber, peppers, tomatoes.
- Undesirable changes will occur at low temperatures such as softening of the flesh, browning and/or accelerated decaying.
- Do not refrigerate avocados (until they are ripe), bananas and mangoes.

FREEZING AND STORING OF FOOD IN THE FREEZER COMPARTMENT25

- To store deep-frozen food.
- To make ice cubes.
- To freeze food.

NOTICE! Ensure that the door of the freezer compartment has been closed properly.

PURCHASING OF FROZEN FOOD

- The packaging must not be damaged.
- Use by the "use by /best before/best by/" date.
- If possible, transport deep-frozen food in an insulated bag and place quickly in the freezer compartment.

STORING OF FROZEN FOOD

- Store at -18 °C or colder.
- Avoid opening the freezer compartment door unnecessarily.

FREEZING OF FRESH FOOD

- Freeze fresh and undamaged food only.
- To retain the best possible nutritional value, flavour and colour, vegetables should be blanched before freezing. Aubergines, peppers, zucchini and asparagus do not require blanching.

NOTICE! Keep food to be frozen away from food which is already frozen.

THE FOLLOWING FOOD IS SUITABLE FOR FREEZING

- Cakes and pastries.
- Fish and seafood.
- Meat, game and poultry.
- Vegetables, fruit and herbs.
- Eggs without shells.
- Dairy products such as cheese and butter.
- Ready meals and leftovers such as soups, stews, cooked meat and fish.
- Potato dishes and soufflés.
- Desserts.

THE FOLLOWING FOOD IS NOT SUITABLE FOR FREEZING

- Types of vegetables, which are usually consumed raw, such as lettuce or radishes.
- Eggs in shells.
- > Grapes, whole apples, pears and peaches.
- > Hard-boiled eggs, yogurt, soured milk, sour cream, and mayonnaise.

HOW TO PACKAGE THE FROZEN FOOD

- To prevent food from losing its flavour or drying out, place food in airtight packaging.
- 1. Place food in packaging.
- 2. Remove air.
- 3. Seal the wrapping.
- 4. Label packaging with contents and dates of freezing.

SUITABLE PACKAGING

- Plastic film, tubular film made of polyethylene, aluminium foil.
- These products are available from specialist outlets.

RECOMMENDED STORAGE TIMES OF FROZEN FOOD IN THE FREEZER COMPARTMENT

- These times vary depending on the type of food.
- The food that you freeze can be preserved from 1 to 12 months (minimum at 18°C).

FOOD	STORAGE TIME
Bacon, casseroles, milk	1 month
Bread, ice cream, sausages, pies, prepared shellfish, oily fish	2 months
Non-oily fish, shellfish, pizza, scones and muffins	3 months
Ham, cakes, biscuits, beef and lamb chops, poultry pieces	4 months
Butter, vegetables (blanched), eggs whole and yolks, cooked crayfish, minced meat (raw) , pork (raw)	6 months
Fruit (dry or in syrup), egg whites, beef (raw), whole chicken,lamb (raw), fruit cakes	12 months

IMPORTANT INSTRUCTIONS!

i	When you free	ze fresh	foods with	a "use by ,	/ best before	best by"	date,	you must	freeze the	m before	this
date	e expires.										

- Check that the food was not already frozen. Indeed, frozen food that has thawed completely must not be refrozen.
- Once defrosted, food should be consumed quickly.

Environmental protection

7.1 Environmental protection: disposal

Appliances bearing this symbol « was must not be disposed of together with household waste throughout the EU. To prevent potential damage to the environment or human health from uncontrolled waste disposal and to promote the sustainable reuse of material resources, responsibly supply the appliance to a recycling centre.

7.2 Environmental protection: energy saving

- Install the appliance in a dry and well-ventilated place.
- * Install the appliance in a suitable position with an adequate distance from sources of heat and cold.
- Protect the appliance from direct sunlight.
- Do not line the drawers with aluminium foil, waxed paper or paper layers; otherwise optimum circulation of the cold air is impeded so the appliance cannot work at best performance.
- * Cooked food can be stored in the appliance. Let it cool down to room temperature before you put it into your appliance.
- Store your food in colourless, airtight and tasteless materials.
- Some food like meat, fish etc. may become dry and release strong odours. You can avoid these by wrapping them into aluminium foil or plastic wrap or putting them into an airtight bag or container.
- Allow ample storage place for your food. Do not overfill your appliance.
- Wrap your food in plastic wrap or suitable paper and place each kind of food in a particular location in your appliance. This will prevent any contamination, a loss of water and a mingling of odours.
- Let warm or hot food cool down to room temperature before you put it into your appliance. Otherwise the energy consumption will increase and encrusted ice will be generated.
- If you buy frozen food, the packaging must not be damaged and the product must be properly stored (sales container -18°C or lower).
- Put the frozen food you want to defrost into the cooling-compartment of your appliance.
- * How to defrost frozen food depends on your kitchen-equipment and the purpose, you want to use the frozen food for.
- ✓ room temperature
- ✓ in the cooling-compartment of your appliance
- ✓ in an electrical oven 26
- √ in a microwave27
- Try opening the door as little as possible, especially when the weather is warm and humid. If you open the door, close it as fast as possible.
- Permanently check, that the appliance is well-ventilated. The appliance has to be well-ventilated from all sides.
- Defrost the appliance periodically as encrusted ice will decrease the power and increase the energy consumption of the appliance.
- * 105 kWh per year, based on standard test results for 24 hours. Actual energy consumption will depend on how the appliance is used and where it is located.

7.3 Operational parameters

The appliance can only reach the relevant temperatures when:

- 1. the ambient temperature meets the climatic class.
- 2. the doors close properly.
- 3. you do not open the doors too often or too long.
- 4. the door seals are in proper condition.
- 5. the appliance is properly-positioned.
- 6. you have not overfilled the appliance.
- 7. you do not store warm or hot food in the appliance.

Cleaning and maintenance

△ DANGER! Never touch the power plug, the power switch or other electrical components with wet or damp hands. RISK OF ELECTRIC SHOCK!

WARNING! Disconnect the appliance from the mains before you clean or maintain it. RISK OF ELECTRIC SHOCK!

⚠ **WARNING!** To disconnect the appliance from the mains, you must unplug the appliance or use a cut-off device.

⚠ WARNING! Remove possible dust accumulation at the power plug, at the safety power socket and at all plug connectors regularly. RISK OF FIRE!

NOTICE! Clean the appliance at least once a month.

- 1. Always keep the appliance clean so that unpleasant odours do not occur.
- 2. Dust deposits on the condenser will increase the energy consumption. Clean the condenser twice a year with a vacuum cleaner or a soft brush.
- 3. Take off all rings and bracelets before cleaning or maintaining the appliance; otherwise you will damage the surface of the appliance.

DETERGENT

- Do not use any harsh, abrasive or aggressive detergents.
- Do not use any solvents.
- Do not use any abrasive detergents!
- > Do not use any organic detergents!28
- Do not use essential oils!
- These instructions are valid for all surfaces of your appliance.

EXTERNAL CLEANING

- 1. Use a moist cloth and a mild, non-acidic detergent. Use a suitable detergent for stubborn stains.
- 2. Use clear water to rinse.
- 3. Dry the cleaned surfaces with a cloth.

INTERNAL CLEANING

- 1. Clean the shelves and the inside with warm water and a mild detergent.
- 2. Use clear water to rinse.
- 3. Dry the cleaned surfaces with a cloth.
- 4. Check the water drain and clean it if needed.

DOOR SEALS

Clean with warm water and a mild, non- acidic detergent. Do not restart the appliance until the door seals have dried completely.

NOTICE! Empty and clean the drip tray regularly!

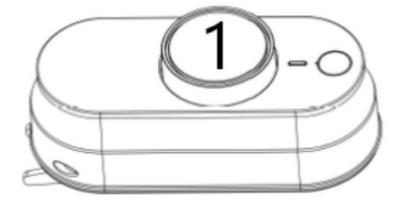
8.1 Defrosting

WARNING! Never use any mechanical items, knives or other sharpedged objects to remove the encrusted ice. Never use a steam cleaner. RISK OF ELECTRICAL SHOCK!

⚠ WARNING! Do not use hairdryers, electrical heaters or other technical devices to accelerate the defrosting-progress. RISK OF ELECTRICAL SHOCK!

FRIDGE: FRESH ZONE

- The fresh zone is equipped with a manual defrost-system.
- Defrost ice deposits if they are thicker than 3 mm.
- 1. To defrost the fridge (fresh zone), just turn of the Thermostat (1); s. fig. below.



- 2. As soon as the defrosting process is finished, please turn the Thermostat on again.
- 3. The melted Ice turns into water and will be drained into a dip tray through a drain pipe at the back of the fridge.

Troubleshooting

MALFUNCTION

POSSIBLE CAUSE	MEASURE			
THE APPLIANCE DOES NOT WORK AT ALL.				
 The plug of the appliance is not connected to the socket. The plug has become loose. The socket is not supplied with energy. The fuse is switched off. The voltage is too low. 	 Connect the appliance to the mains properly. Check the plug. Check the corresponding socket by connecting it with a nother appliance. Check the fuse box. Compare the data on the model plate with the data of your energy supplier. 			
THE COMPRESSOR DOES NOT WORK AT ALL.				
Incorrect energy supply.	1. Check the energy supply.			
THE COMPRESSOR OPERATES FOR TOO LON G.				
 The appliance has been switched off for a while. Too much or too hot food in the appliance. Doors opened too often or too long. 	 The appliance needs some time to reach the preset te mperature. Remove any hot food. Do not open the door too often/too long. 			
FORMATION OF ENCRUSTED ICE.				
 The air outlets may be blocked by food. The door is not properly closed. The door seal is damaged or soiled. 	 Store the food in another place. Close the door properly. Clean and / or replace the door seal. 			
THE DOOR MAKES A STRANGE SOUND WHEN	OPENED.			
1. The door seals are soiled.	1. Clean the door seals.			
UNCOMMON NOISE.				
 The appliance is not installed on a flat and level ground. The appliance touches a wall or another object. Frozen food is stored improperly. Items have dropped behind the appliance. 	 Install the appliance properly. Store food properly. Remove the items. 			

- If the appliance shows a malfunction not noted on the schedule above or if you have checked all items on the above schedule but the problem still exists, please contact the shop you purchased the appliance at.
- 1 THE OPERATING CONDITIONS DESCRIBED BELOW ARE NORMAL AND DO NOT INDICATE A MALFUNCTION.
- The refrigerant generates a sound similar to flowing water.
- Sometimes you may hear a sound which is generated by the injection process of the cooling circuit.
- The sides of the appliance may get warm while the appliance is running.

DISTINCT NOISE

When you operate the appliance for the first time or the temperature falls below a certain level, the appliance will operate with high power to reach the preset temperature.

CONDENSED WATER IN / ON THE APPLIANCE

may be generated inside or outside the appliance by high humidity or very warm ambient temperatures.

CLICKING

You will hear the compressor click if it is activated or deactivated.

HUM is caused by the compressor while running.

KNOCKING / SNAPPING

may be generated by sequential expansion and shrinkage of the components of the cooling system. It is caused by variation of temperature before and after the compressor is activated or deactivated.

Decommissioning

DECOMMISSIONING, TEMPORARILY

IF THE APPLIANCE IS NOT USED FOR A LONGER PERIOD OF TIME:

- 1. disconnect the appliance from the mains. To disconnect the appliance from the mains, you must unplug the appliance or use a cut-off device.
- 2. remove all food stored in the appliance.
- 3. dry the inside of the appliance with a cloth and leave the door open for a few days.

WHILE AWAY ON AN AVERAGE VACATION / HOLIDAY (14-21 DAYS):

- 1. do the same as described above, or
- 2. let the appliance operate.
 - a. remove all perishable food from the cooling compartment.
 - b. clean the cooling compartment.
 - c. freeze all food which is suitable to be frozen.

IF YOU WANT TO MOVE THE APPLIANCE:

- 1. secure all removable parts and the contents of the appliance. Pack them separately if necessary.
- 2. transport the appliance in an upright position only. All other positions can cause damage to the compressor.
- 3. do not damage the feet of the appliance.

DECOMMISSIONING, ULTIMATE

- 1. Disconnect the appliance from the mains. To disconnect the appliance from the mains, you must unplug the appliance or use a cut-off device.
- 2. Cut off the power cord at the appliance.
- 3. Completely remove every door of the appliance.
- 4. Leave the shelves in their position so that children are not able to get into the appliance.
- 5. Follow the advice for the disposal of the appliance in chapter WASTE MANAGEMENT.

Technical data

TECHNICAL DATA*

Model	Fridge incl. fresh zone
Climatic class	N, ST, T (ambient temperature 16 – 43°C)
NoFrost fridge / freezer	_/_
Energy efficiency class**	Е
Annual energy consumption in kW/h***	86
Voltage / frequency	220 – 240 V AC / 50 Hz
Net volume fridge / freezer in I	94 / —
Stars	_
Max. freezing capacity within 24 h	_
Max. storage time / malfunction	_
Noise emission	36 dB/A
Adjustable thermostat	yes
Compressor	1
Refrigerant / total quantity	R600a / 27 g
Handle	integrated
Internal light	LED
Glass shelves	2
Door trays	3
Fresh zone	1
Adjustable feet	yes
Defrosting cooling comp. / freezer	manually / –
Dimensions appliance H*W*D in cm	84.00*47.50*45.00
Weight net / gross in kg	20,00 / 22,00

* Technical modifications reserved.

*	According to regulation (EU) No. 2019 / 2016
**	On a scale from A (highest efficiency) to G (lowest efficiency).
***	Based on standard measurement results within 24 hours. The current energy consump tion depends on the way the appliance is used as well as on its site.

Using the QR code on the enclosed energy efficiency label, you can retrieve information stored in the database according to regulation (EU) 2019/2016.

Alternatively, you can find the product information at www.pkm-online.net.

Waste management

- 1. Dispose of the appliance relevant to the current legislation in view of explosive gases. The cooling systems and insulation of refrigerators and freezers contain refrigerants and gases which have to be deposed of properly. Do not damage the cooling fins and tubes. If refrigerants escape there is FIRE HAZARD!
- 2. While unpacking, the packaging materials (polythene bags, polystyrene pieces, etc.) should be kept away from children and pets. CHOKING HAZARD! RISK OF INJURY!
- 3. Old and unused appliances must be sent for disposal to the responsible recycling centre. Never expose to open flames.
- 4. Before you dispose of an old appliance, render it inoperative. Unplug the appliance and cut off the entire power cord. Dispose of the power cord and the plug immediately. Remove the door completely so children are not able to get into the appliance as this endangers their lives!
- 5. Dispose of any paper and cardboard into the corresponding containers.
- 6. Dispose of any plastics into the corresponding containers.
- 7. If suitable containers are not available at your residential area, dispose of these materials at a suitable municipal collection point for waste-recycling.
- 8. Receive more detailed information from your retailer or your municipal facilities.

REFRIGERANT

- 1. The refrigerant circuit of the appliance contains the refrigerant R600a, a natural gas of high environmental compatibility.
- 2. WARNING! Do not damage any components of the refrigerant circuit while transporting the appliance. FIRE HAZARD!



Materials marked with this symbol are recyclable.



Please contact your local authorities to receive further information.



The refrigerant R600a is flammable!

Guarantee conditions

for large electric appliances; PKM GmbH & Co. KG, Neuer Wall 2, 47441 Moers

This appliance includes a 24-month guarantee for the consumer given by the manufacturer, dated from the day of purchase, referring to its flawless material components and its faultless fabrication.

The consumer is accredited with both the dues of the guarantee given by the manufacturer and the vendor's guarantees. These are not restricted to the manufacturer's guarantee.

Any guarantee claim has to be made immediately after the detection and within 24 months after the delivery to the first ultimate vendee. The guarantee claim has to be verified by the vendee by submitting a proof of purchase including the date of purchase and/or the date of delivery. The guarantee does not establish any entitlement to withdraw from the purchase contract or for a price reduction.

Replaced components or exchanged appliances demise to us as our property.

The guarantee claim does not cover:

1. fragile components as plastic, glass or bulbs;

- 2. minor modifications of the PKM-products concerning their authorised condition if they do not influence the utility value of the product;
- 3. damage caused by handling errors or false operation;
- 4. damage caused by aggressive environmental conditions, chemicals, detergents;
- 5. damage caused by non-professional installation and haulage;
- 6. damage caused by non common household use;
- 7. damages which have been caused outside the appliance by a PKM-product unless a liability is forced by legal regulations.

The validity of the guarantee will be terminated if:

- 1. the prescriptions of the installation and operation of the appliance are not observed.
- 2. the appliance is repaired by a non-professional.
- 3. the appliance is damaged by the vendor, the installer or a third party.
- 4. the installation or the start-up is performed inappropriately.
- 5. the maintenance is inadequately or incorrectly performed.
- 6. the appliance is not used for its intended purpose.
- 7. the appliance is damaged by force majeure or natural disasters, including, but with not being limited to fires or explosions.

The guarantee claims neither extend the guarantee period nor initiate a new guarantee period. The geographical scope of the guarantee is limited with respect to appliances, which are purchased and used in Germany, Austria, Belgium, Luxembourg and the Netherlands.

SERVICE INFORMATION



TECHNOLOGY FOR DOMESTIC USE Please contact the shop you purchased the appliance at. Subject to alterations

Subject to alterations UPDATED 02/01/2024

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Documents / Resources



PKM KS93E Cold Storage Zone [pdf] Instruction Manual

KS93E, KS93EB, KS93ESI, KS93E Cold Storage Zone, KS93E, Cold Storage Zone, Storage Zone, Zone

References

• User Manual

Manuals+, Privacy Policy

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