

N3000 series User Manual





THETFORD

DECLARATION OF CONFORMITY

We, the undersigned,

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Certify and declare under our sole responsibility, that the following equipment:

Product	ABSORPTION REFRIGERATOR	
Brand Name	THETFORD	_
Type Family	N3000 series	
Models	N3000-A / N3000-E	
Manufacturer	THETFORD B.V. NIJVERHEIDSWEG 29 4879 AP ETTEN-LEUR, NETHERLANDS TEL +31 76 5042200 FAX +31 76 5042300	

Conforms to the requirements of the following directives:

-	Directive
	2006/95/EC Low Voltage Directive
	2009/142/EC Gas Appliances Directive
	2009/19/EC (2004/104/EC) Automotive EMC Directive

The following harmonized standards have been used in the design and testing processes of the products concerned:

EN 732:1998	EN 55014-1:2007	
EN 60335-1:2012	EN 55014-2:1998	
EN 60335-2-24:2010	EN 61000-3-2:2006	
EN 60335-2-102:2006	EN 61000-3-3:2008	



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EN • INSTRUCTIONS FOR USE

EN

N3000-E series with LED-control panel









LED-control panel

(N3000-A series with touchscreen \rightarrow p. 106)



Main parts

Refrigerator door • 2 Freezer door • 3 Door lock • 4 Security lock (not present on all refrigerators)
 5 Control panel LED • 5a On/off switch • 5b Confirmation button • 5c Arrow buttons • 5d Automatic function (not present on all refrigerators) • 5e Sources • 5f Cooling level indicators• 5g 'Anti-condensation' (only for model B) • 5h 'Batteries empty' (optional extra) • 6 Freezer compartment

- 7 Ice cube tray 8 Refrigerator compartment 9 Cooling fins 10 Storage shelves 11 Vegetable bin
- 12 Serial label 13 Door bins 14 Bottle retainer 15 Slide-out box (optional in models C1 and C2)
- 16 Drawer for bottles and vegetables 17 Bottle retainer for drawer 18 Shelf food retainer

1 Introduction

This Thetford appliance is specially developed for caravans and motorhomes. It is user-friendly, meets high quality standards and gives you every possible convenience during holidays and short trips. We advise you to read the manual before using this appliance. Not all sections of this manual are relevant for all appliances. Make sure you completely read the parts of the manual that are relevant for your appliance. Keep this manual in a safe place for future reference.

For the latest version of the manual please visit **www.thetford-europe.com**

Symbols used

d I

Caution (possible risk of injury or product damage)

2 Use safely

For correct and safe use of this refrigerator, you need to observe several precautions and general recommendations. If these instructions have not been followed, warranty claims will not be accepted.

What to do if you smell gas: Directly close the valve of the gas bottle, extinguish any naked flames, do not switch on any electrical devices or lighting, open the windows and leave the room. Then contact the Customer Service Department in your country or holiday location.

What to do if you smell a pungent odour from the cooling system: Switch off the

refrigerator, extinguish any naked flames, provide sufficient ventilation through vents, windows and doors. Then contact the Customer Service Department in your country or holiday location.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Do not allow children to play with or hide in the appliance. Children can become trapped and possibly suffocate. Do not allow children to clean or perform maintenance on the appliance without supervision.

Maintenance

- Make sure that installation, electrical connection, maintenance and periodical inspection of the gas system will be done by a qualified technical person, according to Thetford's instructions (www.thetford-europe. com) and local safety rules;
- Never open or damage the cooling system at the back of your refrigerator. The cooling system is pressurised and contains substances that can be harmful to your health;
- Never attempt to repair parts of the gas system, the gas flue or electrical components by yourself. The repairs may only be done by a qualified technician. Please contact the Customer Service Department for further support and addresses;
- Before carrying out any kind of maintenance or cleaning on your refrigerator switch off your refrigerator;
- Never expose the refrigerator to rain.

Use of gas

- The refrigerator only runs on liquid gas (propane, butane or a mixture of these boths). It does not run on natural gas or coal gas;
- Only use gas which is mentioned on the serial label inside the refrigerator;
- A filter must be used when operating on Liquefied Petroleum Gas (LPG). The filter must be prescribed by a qualified technical person;
- Make sure the type and position of the gas bottle meets the latest technical regulations;
- Change the gas bottle in open air and out of reach of any possible source of ignition;
- Never obstruct the ventilation openings in the gas bottle storage location;
- Keep flammable material away from the refrigerator;
- Do not use gas to power your refrigerator in the vicinity of petrol stations.

Food

- Respect the expiry date printed on the packaging of food;
- Defrosting, cleaning or maintenance of the refrigerator can shorten the preservability of food.

3 Switch on refrigerator



To switch on the refrigerator, push the on/off switch and hold it for 1 second, as illustrated. A light in the on/off switch will turn green.

After 10 seconds the settings will dim. The green light indicates the refrigerator is still in function.

To check the settings push the on/off switch. The last selected settings will light up.

To secure optimal performance, level your đ vehicle before operating the refrigerator.

For optimal performance, switch on the Ø refrigerator 8 hours before placing food.

We advise to clean the inside of the Ø refrigerator properly, before using your refrigerator.

4 Selecting source



After switching on the refrigerator, push the confirmation button and hold it for 2 seconds. The symbols for the sources light up and start to blink.

Choose the desired source by pushing the arrow buttons.

Confirm your choice with the confirmation button

Sources

The refrigerator automatically A Auto selects the best source available (in order: mains, battery, gas)

The automatic function is not present on all refrigerator types.

2 30V	The refrigerator is powered from the mains.
12V	The refrigerator is powered from the battery of your vehicle.
👌 Gas	The refrigerator is powered from the gas connection of a gas

the gas connection of a gas bottle.

If you set the refrigerator on the automatic source selection, the control panel will show two source symbols; the A and the best source available.

Always use the gas connection or mains voltage to start up and cool. Operating on 12V is only effective while the engine of the vehicle is running.

The performance of the refrigerator, when operating on 12V, is dependent on the thickness and length of the wiring and the overall installation of the vehicle.

To secure optimal performance, deactivate ø the start/stop system on your vehicle if present.

If the refrigerator is powered by a gas connection, make sure that the control panel is powered from the battery or AA batteries (in the case of a standalone model).

When selecting gas, the flame should be ignited within 30 seconds. If the system fails, restart the refrigerator and select the gas source again.

For safety reasons it is not possible to ignite the flame within 15 minutes after driving.

From about 1000 m above sea level problems of a physical nature can occur when lighting the gas. This does not mean that the refrigerator is not working properly.

Stand-alone model

The refrigerator is only functional, when the control panel is powered. A stand-alone model (installed by your dealer) is operational using AA batteries in the event of no mains or battery.



Therefore open the small cover underneath the control panel, as illustrated. Insert 6 new 1.5V AA/LR6 batteries, according the illustration in the cover.

5 Selecting cooling level



The symbols for the (>) A ⇒ sources start to blink. Push the confirmation button again.

A 🗈 1.000

🗖 🕨 🗛 🖘

Lowest

start to blink. Use the arrow button to choose the desired cooling level.

The cooling level indicators

Confirm your choice with the confirmation button.

Highest cooling level cooling level

Your refrigerator meets the climate class SN requirements according to EN ISO 15502:2005 at an ambient temperature 10°C to 32°C.

We advise to set the refrigerator on cooling level 3, with an ambient temperature between 15°C and 25°C. A higher temperature needs a higher cooling level, a lower temperature a lower level.

To improve the cooling performance of your refrigerator in high temperatures. Thetford advises to install the Ventilator Kit. It helps to detract the warm air quicker to the vents. The Ventilator Kit is suitable for all Thetford refrigerators.

6 Control of optional extras

Batteries empty

present with the stand-alone models, installed by your dealer.

When your refrigerator is provided with the stand-alone option, it will run on 1.5V AA/LR6 batteries for approximately 7 days in combination with gas supply.

When the red symbol 'batteries empty' blinks,

uou must replace the batteries within 24 hours. Remove all batteries out of the small cover underneath the control panel and replace 6 new batteries. If you are not going to use this function for more than two weeks, remove all batteries

Only use new 1.5V AA/LR6 batteries. Do not use rechargeable batteries for this function of the refrigerator.

If you don't have enough batteries or want to ø use your refrigerator for a very short period it is also possible to only use 3 batteries in a row. Your refrigerator will run for approximately half a week now.

Anti-condensation



To prevent the control panel from condensation, the anti-condensation function is automatically switched on. Only switch off this function when little energy is present.



Push both arrow buttons together at once and hold them for 2 seconds, as illustrated. The symbol 'anti-condensation off' will EN

light up on the control panel. To switch on the function again, push both arrow buttons for 2 seconds once more.

When your refrigerator runs on AA batteries, anticondensation is switched off automatically.

Use of refrigerator compartment

You can organise your refrigerator as desired by moving the storage shelves and door bins in height.

Make sure the door can still be closed after Make sure the door sure and bins.

Moving storage shelves



Turn the plastic clamp of the storage shelf upwards. as illustrated. Lift that side a bit, and move the storage shelf to the desired position. First place the left side of the storage shelf without the plastic clamp in

the refrigerator wall, then place the other side in the corresponding groove. Turn the plastic clamp downwards. Your storage shelf is secured again.









Moving door bins



Push a door bin out of the locking with both hands, as illustrated. Place this door bin back in the desired position and push it back on the locking. The door bin is secured again.

Using slide-out box for refrigerator model C1 and C2



You may use the slide-out box as a tray for all your breakfast or lunch items. Slide out the complete box and put it directly on the table.

To remove the slide-out box, pull the box until the stop.

Then lift the box at the front, as illustrated. The box is now free to remove.

Using drawer

for refrigerator model C1 and C2

The drawer is specially designed for bottles, cans and vegetables.



To divide the drawer into two compartments, take the bottle retainer from the back and place it back in a desired groove, as illustrated.

The maximum storage capacity of the drawer is 15kg.

Organising food

After a minimum of 8 hours of cooling, the food can be placed in the refrigerator. Do not completely cover the cooling fins with food, to preserve an optimal performance of the refrigerator. Make sure air can still circulate around the fins.

To prevent your refrigerator from iceformation, always cover liquid products, let warm products cool down before placing them in the refrigerator and don't open the door any longer than necessary.

To reduce the cooling time, store only precooled food in the refrigerator. To prevent the food from drying out or your refrigerator from odours, store food seperately in closed boxes.

8 Use of freezer compartment

You can use the freezer compartment to keep food frozen or to make ice cubes with the included Thetford ice cube tray.

Never keep carbonated liquids in the freezer compartment.

If the refrigerator has to perform for a longer period in internal vehicle temperature below 10°C, a constant regulation of temperature in the freezer compartment can't be guaranteed. The temperature can increase and the food may defrost in the freezer compartment.

Making ice-cubes

Fill 2/3 of the ice-cube tray with water and put the tray in the freezer compartment. Make sure you only use drinking water.

Never eat ice-cubes or popsicles directly out of the freezer compartment. This can cause burns.

To speed up the process, make ice-cubes at night, when the refrigerator has more capacity. Place the ice-cube tray in an empty freezer on the bottom and the back.

9 While driving



Make sure all products in your refrigerator can't move while driving. Secure the bottles in the door and the drawer with the bottle retainer, and secure all food on the storage shelves.

In Europe it is only allowed to run your refrigerator on gas while driving, if a gas system with break protection is installed and local regulations are respected.

Because of varying outside conditions during driving, good performance on gas can't be guaranteed. Therefore Thetford does not advise to run your refrigerator on gas while driving.

Door lock

When you close and press the door of the refrigerator, the door locks automatically.

While driving this door lock also secures the door.



Some models have an extra security lock on the bottom of the refrigerator. To be sure the door will not open while driving, push the black security lock over the pin on the door.

Never let children play or hide in the refrigerator. Children can be trapped and possibly suffocate.

10 Winter use

When you are going to use the refrigerator with an outside temperature below 10°C, install a suitable winter cover, as illustrated.



This cover will protect your refrigerator against too cold air and makes sure the refrigerator will still perform optimally.

Make sure you remove the winter cover again once the temperature is above $10\,^\circ\text{C}.$

11 Cleaning

It is important to regularly clean the refrigerator for optimal performance. First remove the shelves, door bins, slide-out box and the drawer. Then clean those parts and the inside of the refrigerator with a soft cloth and a mild household cleaner. Use a wet, soft cloth for the outside of the refrigerator. Make sure the vents on the outside of the vehicle are always dust-tight.

Removing slide-out box system



To remove the slide-out box system for refrigerator **model C1 and C2**, completely open the refrigerator door and remove the slide-out box. Then slide the rail system to the right, as illustrated.

The slide-out box system is now free to remove.

After cleaning, place the system back in reverse order. Make sure the slide-out box system snaps into place.

Removing drawer



To remove the drawer for refrigerator **model C1**, pull the drawer until the stop and push it a little bit back. Then push the guide locks backwards, as illustrated. Pull the drawer further to the front and lift the wheels over the curves. The drawer is now free to remove. After cleaning, pull out the guides until they snap into place, then place the drawer back in reverse order.



To remove the drawer for refrigerator model C2, completely open the refrigerator door and pull the drawer until the stop. Then lift the drawer at the front, as illustrated. The drawer is now free to

remove. After cleaning, place the drawer back in reverse order.

Never clean your refrigerator with soap or agressive, caustic or soda-based cleaning agents.

The loose parts of the refrigerator are not suitable for the dishwasher.

Water through the vents may damage your refrigerator. Therefore install winter covers before washing your vehicle.

12 Switch off refrigerator



Before defrosting the refrigerator or storing your vehicle, switch off the refrigerator. Push the on/ off switch, as illustrated,

and hold it for 2 seconds to switch off the refrigerator. All lights will go out.

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13 Defrosting

A layer of ice on the cooling fins will decrease the cooling capacity and durability of your refrigerator. Therefore your refrigerator is provided with an automatic defrost system, which prevents ice formation.

Despite this system, it is also possible to manually defrost your refrigerator on occasion. Remove all food, wrap it tightly in newspaper and put it in a cold place or in an insulated bag. Then remove the drawer (only for models C1 and C2) and leave the doors open. Put dry towels in the refrigerator to catch the remaining water. When the refrigerator is defrosted, thoroughly dry the inside.

Do not speed up the defrosting process by removing the ice layer with force or sharp objects or by using a hairdryer.

14 Storage

If you do not expect to use your refrigerator for a longer period, it is important to thoroughly empty, defrost and clean the complete refrigerator. Then install the winter cover over the vents, to protect your refrigerator during storage.

To prevent odours and mould in the refrigerator, keep the refrigerator door, as well as the freezer compartment door, open during storage. External doors are equipped with a storage lock.



For model A and model B rotate the storage lock and secure it by using the strike plate, as illustrated.



first open the door and rotate the storage lock, as illustrated. Then close the door until you hear the first click. Make sure the door is still a bit open.

For model C1 and model C2



When you use the refrigerator after storage, always make sure to rotate the storage lock back to its original position. Make sure the gas taps of the gas bottle are closed during storage.

Water through the vents may damage your refrigerator. Therefore install winter covers before washing your vehicle.

15 Disposal

Your refrigerator has been designed and manufactured with high quality materials and components, which can be recycled and reused. The cooling system contains ammonia as the coolant and ozone friendly cyclopentane as the blowing agent in the foam.

When your refrigerator has reached its end of life, dispose the product according to the local rules. Do not dispose the refrigerator with normal household waste. The correct disposal of your old product will help prevent potential negative consequences to the environment and human health.

16 Questions?

If you require further information or have any questions about your refrigerator, please visit our website www.thetford-europe.com. If you still have questions, contact the Customer Service Department in your country or your holiday location [see the addresses on the back].

For correct and efficient support, please ensure all relevant product type information is available (see page 211).

Troubleshooting

Some problems are indicated through blinking lights on your control panel. First read the instructions below. If this will not solve the problem, contact your dealer or a Thetford Service Centre.

The refrigerator does not work

switch the refrigerator off and on again • make sure any power source is available

The refrigerator does not work on 230V

check if the mains is available • try to run the refrigerator on another power source

The refrigerator does not

work on 12V

check if the 12V fuse in the fuse box of your motor $% \left({{{\rm{A}}_{\rm{A}}}} \right)$

home or car is still operational • make sure the engine is running • try to run the refrigerator on another power source

The refrigerator does not work on gas

check if the gas bottle is not empty • check if the valve of the gas bottle and all shut-off valves are open • switch the refrigerator off and on again • try to run the refrigerator on another power source.

FAQ

What can I do, when the refrigerator does not

start? Check if you switched on the refrigerator according to the instructions, if the vehicle stands level or if there is an available energy source to start the refrigerator with. If none of this is the case, please contact your dealer or a Thetford Service Centre.

The refrigerator does not cool sufficiently,

what can I do? Check if the vents aren't covered or blocked from the outside and remove the mosquito screen if present. Check if the refrigerator stands level, if the highest cooling level of the refrigerator is selected, if the door of the refrigerator still closes properly or if there is not too much ice on the cooling fins. If none of this is the case, please contact your dealer or a Thetford Service Centre.

All lights on the control panel are blinking,

what should I do? Switch the refrigerator off and on again. If the problem still exists, please contact your dealer or a Thetford Service Centre.

I just replaced the batteries, but the 'batteries empty' symbol is already blinking. What is wrong? Check if you have used only new 1.5V AA/LR6 batteries. Rechargeable batteries do not work for this function.

No winter cover is supplied with my refrigerator, is this correct? The winter cover is an accessory for your refrigerator, which you can purchase at your dealer.

Spare parts

Original Thetford spare parts are available through your own dealer or an authorised Thetford Service Centre.

17 Warranty

Thetford BV offers the end users of its products a three-year guarantee. In the case of malfunction within the warranty period, Thetford will replace or repair the product at its discretion. In this case, the costs of replacement, labour costs for the replacement of defective components and/or the costs of the parts themselves will be paid by Thetford.

1. To make a claim under this guarantee, the user must take the product to his dealer or an authorised Thetford Service Centre (www.thetford-europe.com). The claim will be assessed there.

2. Components replaced during repair under guarantee become the property of Thetford.

3. This warranty does not prejudice current consumer protection laws.

4. This warranty is not valid in the case of products that are for, or are used for, commercial purposes.

5. Guarantee claims falling into one of the following categories will not be accepted:
the product has been improperly used, or the instructions in the manual have not been followed;
the product has not been installed in accordance with the instructions;

alterations have been made to the product;
the product has been repaired by an unauthorised Thetford Service Centre;
the product code or serial ID has been changed;
the product has been damaged by circumstances outside the normal use of the product.

6. The guarantee is only valid for Thetford refrigerators that are built in in a caravan of motorhome.

Thetford is not liable for any loss and/or damage caused directly or indirectly by use of the refrigerator.

Thetford is not responsible for printing errors and reserves the right to make changes to product specifications without notice.

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NOTES

FOR GUARANTEE/SERVICE

- **EN** For service/guarantee requests, please identify your refrigerator.
- (FR) Pour toute demande de service/garantie, veuillez identifier vôtre réfrigerateur.
- sv För service-/garantiförfrågningar, var god identifiera ditt kylskåp.
- **ES** Para peticiones de servicio/garantía, por favor, identifique su frigorífico.
- DA Ved forespørgsler angående service/garanti bedes du angive køleskabstype.
- **DE** Für Reparaturen/Garantiefragen, ermitteln Sie bitte die genaue Bezeichnung Ihres Kühlschranks.
- Noteer hier de gegevens van uw koelkast in geval van vragen over reparatie/garantie.
- **IT** Per richieste di garanzia/assistenza, vi preghiamo di identificare il vostro frigorifero.
- PT Para requerimentos de assistência/garantia, por favor identifique o seu frigorífico.
- ND Dersom du ønsker service/garanti, vennligst identifiser ditt Kjøleskap.
- (FI) Merkitse jääkaapin tiedot huolto-/takuupyyntöjä varten.
- SL Pre uplatnenie servisu/záruky prosím určite typ vašej chladničky.







1 P.



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