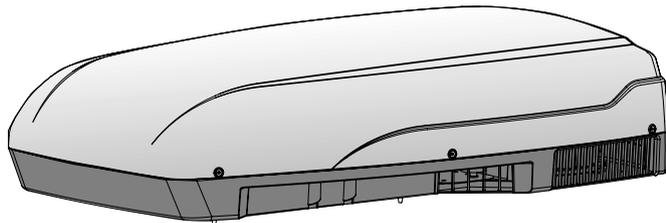


B3000 PLUS



Operation, maintenance and installation manual

 **Dometic**

ENGLISH

With Dometic at home everywhere. Thank you for your decision to buy an Dometic product. They all have been specially conceived for your vehicle, matching totally the requirements of leisure on wheels - with more than 75 years of experience, the most advanced technology, first-rate materials, superb workmanship, functional design and a care for the environment. The unique Dometic EuroService Guarantee offers you additional peace of mind - ensuring that you will derive comfort everywhere from your Dometic products

Warranty Validity

'The product is warranted in accordance with the enforced Law and regulations implementing the Directive 1999/44/EC.

The Manufacturer s warranty does not extend to Product failures, defects or damage arising from and/or attributable to a wrong installation.

The Consumer is entitled to let the Product be installed by an authorised dealer, not bound by Dometic.

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Figures, descriptions, references and technical data in this manual are given as mere example and are not binding.

In pursuing a policy of continual product and safety improvement, DOMETIC reserves the right to make changes at any time without undertaking to give prior notice or to update this manual every time.

Keep this document for future reference.

Regulations for environmental safety and correct disposal

All organisations must apply a set of procedures to identify, evaluate and control the influence that their activities (manufacturing, products, services, etc.) have on the environment.

The procedures to be followed to identify significant environmental impact must take the following factors into account:

- use of raw materials and natural resources
- atmospheric emissions
- discharge of liquids
- waste management and recycling
- contamination of the soil

In order to minimise environmental impact, the manufacturer provides a series of indications here below that should be taken into account by all those who, for whatever reason, interact with the appliance during its working life.

- all packing components must be disposed of (preferably recycled) in compliance with statutory legislation in the country in which disposal takes place
- all product components must be disposed of (preferably recycled) in compliance with statutory legislation in the country in which disposal takes place
- for correct disposal, the appliance must be consigned to an authorised waste disposal company to ensure that all recyclable components are reused and the remaining materials are processed properly
- during installation ensure the room has adequate ventilation to prevent the build-up of stale air that might be harmful to the health of the operators
- during operation and maintenance ensure that any waste pollutant products (oil, grease, etc.) are disposed of correctly
- keep noise levels down to reduce noise pollution

For more information on correct dismantling of our products please refer to the recycling handbooks at www.dometic.com/ambiente.....

1 General informations

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1.1. Scope of the manual

This manual has been made by the Manufacturer and it shall be regarded as part of the air conditioner.

The information it contains, when complied with, ensures a correct and efficient use of the air conditioner.

The first part of this manual is for users , the second one for qualified technicians  facing the installation of the air conditioner.

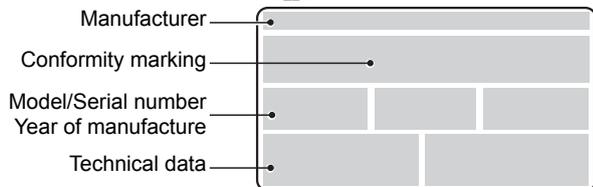
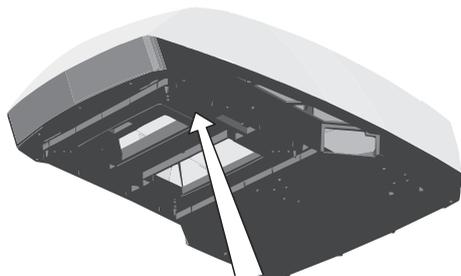
To draw the readers attention to special parts of the text, the following symbols have been used:

 This operation may result in dangers

 Useful advice

 Environment safety related information

1.2. Manufacturer and air conditioner data plate



1.3. Description of the air conditioner

This air conditioner has been designed and manufactured to be installed onto vehicles (i.e. camping-cars, caravans, motorhomes) to improve the temperature conditions. It supplies fresh and dehumidified air in summer and warm air in winter without, in any case, replacing the heating system of the vehicle. In both cases, temperature is set by the user.

Fresh air - Running

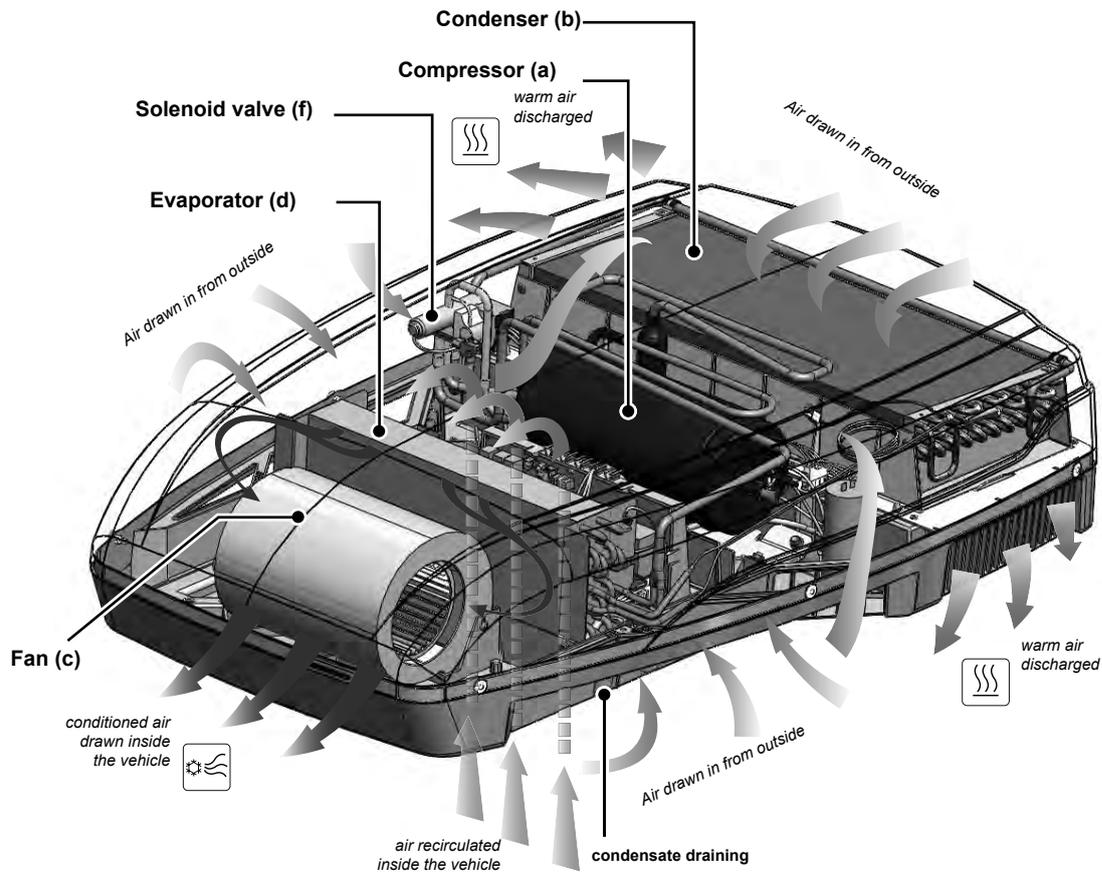
The system is inclusive of: compressor (a), condenser (b), evaporator (d) and refrigerant gas under pressure. According to the physical state of the refrigerant gas -i.e. liquid or gaseous, it heats or cools the components where it passes through.

Fan (c) forces the internal air through the cooled evaporator from where it comes out cooled down and dehumidified.

This action, protracted over the time, reduces the temperature into the vehicle.

Hot air – Description of operation

The refrigerant gas cycle can be inverted by a solenoid valve (f). The heat accumulated by the refrigerant gas is dispersed by the internal heat exchanger which uses the fan (c) to deliver the heat into the passenger compartment. Over time, this increases the temperature inside the vehicle.



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1.4. How to use the air conditioner

i The air conditioner performance can be improved by taking some simple measures.

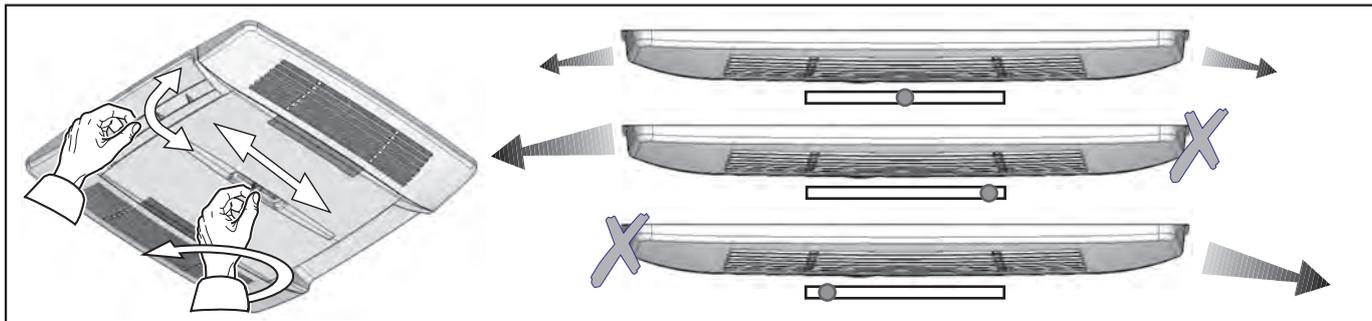
- Improve the thermal insulation of the vehicle by closing any opening and by covering any glassed surfaces with reflecting curtains.
- Avoid opening doors and windows unnecessarily.
- Select the most suitable temperature and speed.
- Properly direct the air flaps.

To prevent troubles and minimise risks for people, take the following precautions:

- Do not obstruct the air inlets and outlets with cloths, paper or other objects;
- Do not introduce your hands or other objects into the openings;
- Do not spray the air conditioner with water;
- Keep flammable substances away from the air conditioner.

Adjusting the air direction

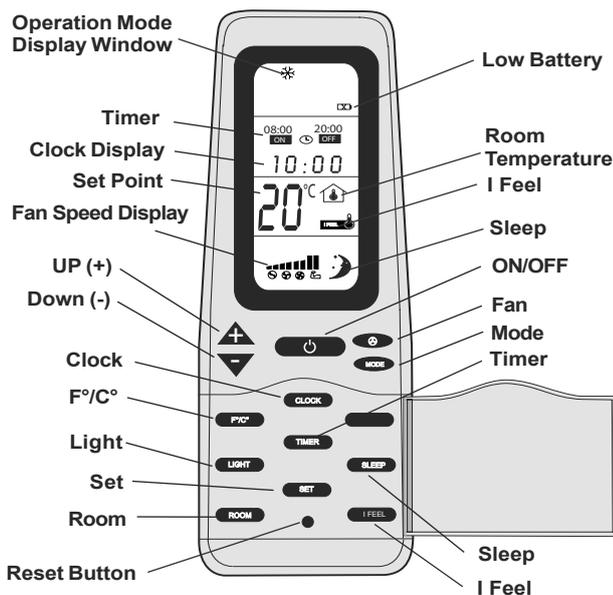
Position the air diffusing flaps to direct the air to the desired position. In order to balance the airflow it's necessary to rotate the center knob in anticlockwise, to choose the wished position and then rotate clockwise.





1.5. Description of the controls

REMOTE CONTROL



<p>ON/OFF</p>	<p>Press the ON/OFF button to start the airconditioner. When it's OFF all the symbols are OFF, except the clock and you can use the ROOM and the LIGHT buttons.</p>
<p>F°/C°</p>	<p>Choose the temperature measurement unit between Celsius (°C) or Fahrenheit (°F). If temperature is displayed this function is enabled.</p>
<p>LIGHT**</p>	<p>Pressing the light key the light on the airconditioner diffuser is switched on (if equipped). The light button works also when the remote control is off.</p>
<p>ROOM</p>	<p>Pressing this button the room symbol is displayed and the local temperature is displayed instead the set point. Pressing the Room button another time the Room symbol disappear and the set point temperature is displayed instead the local one. This button works also when the remote control is off.</p>
<p>CLOCK</p>	<p>Pressing the "CLOCK" button for a time longer than 2 seconds, it is possible to modify the "TIME SETTING", managing the UP (+) button or the DOWN (-). Press the "SET" button to confirm the modifications. After 15 seconds the new set is confirmed in any cases.</p>
<p>SET</p>	<p>This button has two functions: 1) To confirm the TIME SETTING 2) To resend the actual operating setting</p>
<p>TIMER</p>	<p>Press this button to set the time of automatic startup and/or shutdown.</p>
<p>SLEEP</p>	<p>Press this button to activate the SLEEP function. The set point is adjusted automatically to increase comfort when sleeping.</p>
<p>I FEEL</p>	<p>Every 10 minutes the operating set point is adjusted to the temperature detected by the remote control.</p>

* (only for models equipped with resistance) -

** (only for models equipped with light)

The RESET button erases all the configuration parameters to default.

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AUTOMATIC MODE



	Press the MODE button. Set to "AUTO"
	Choose the Set Point (16°C - 31°C)
In this mode the fan button is disabled. You can use the LIGHT** and ROOM button.	

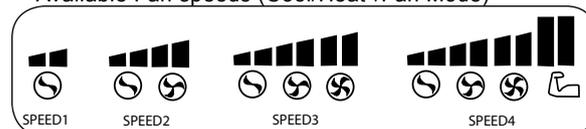


FAN MODE



	Press the MODE button. Set to "FAN"
	Choose the Fan Speed
You can use the LIGHT** and ROOM button.	

Available Fan speeds (Cool/Heat*/Fan Mode)



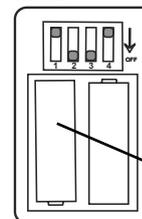
COOL / HEAT MODE



	Press the MODE button. Set to "COOL" or "HEAT"*
	Choose the Set Point (16°C - 31°C)
	Choose the Fan Speed
You can use the LIGHT** and ROOM	



BATTERY COMPARTMENT
ON BACK SIDE OF REMOTE
CONTROL



Low battery

The low battery symbol will appear in the display window when the low battery condition exists.

In this case after each command, the "low voltage symbol" flickers for 2 seconds. In these 2 seconds the remote control is not able to send other commands.

**Replace the batteries
2x1.5V AAA**

* (only for models equipped with resistance) - ** (only for models equipped with light)



TIMER

Note: Every time the timer button is pressed, the display flashes for 15 seconds while waiting for the settings to be modified. Remember to set the clock to the correct time before using this function.

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Setting the “ON” timer (automatic startup)

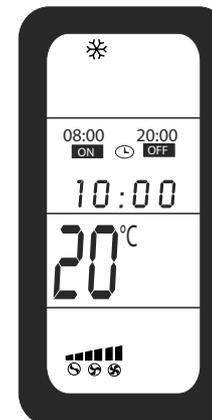
- 1) Press the TIMER button and the ON clock will start to flash.
- 2) Set the time required using the + and - buttons
- 3) Point the remote control at the receiver and press the “SET” button to confirm

Setting the “OFF” timer (automatic shutdown)

- 1) Press the TIMER button twice and the OFF clock will start to flash.
- 2) Set the time required using the + and - buttons
- 3) Point the remote control at the receiver and press the “SET” button to confirm

Setting the “ON” & “OFF” timer (Automatic on/off)

- 1) Press the TIMER button three times and the ON clock will start to flash while the OFF clock is visible.
- 2) Set the required ON time using the + and - buttons
- 3) Press the TIMER button and set the required OFF time using the + and - buttons
- 4) Point the remote control at the receiver and press the “SET” button to confirm



SLEEP

- 1) Select the required temperature.
- 2) Press the SLEEP button

Note: The SLEEP function lowers the set temperature by 1° after one hour and by 2° after two hours.

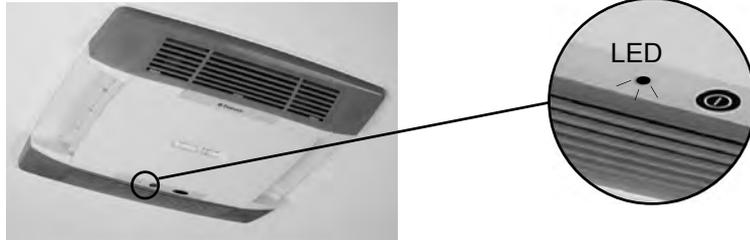


I FEEL

- 1) Press the I FEEL button to enable the function.
- 2) Position the remote control so that it is possible to send signals to the receiver.
- 3) The operating temperature is adjusted to the temperature detected by the remote control.

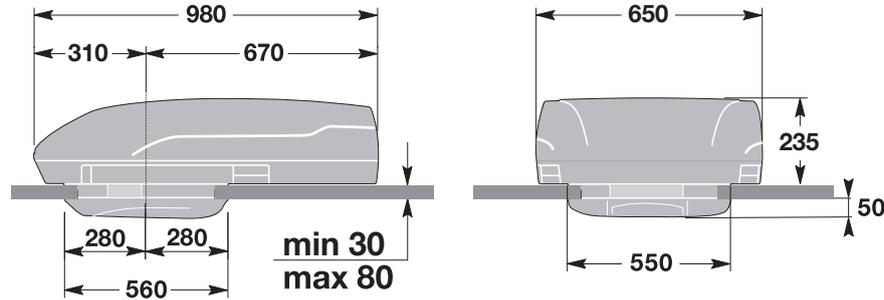
Note: The remote control must not be in an area that is much warmer or much cooler than the normal room temperature (e.g.: exposed to direct sunlight or to the cold air coming from the diffuser.)

1.5. Description of the led state on the airdiffuser



LED State	Description
Off	Airconditioner off
Orange	Airconditioner on StandBy (switch ON - aiconditioner is waiting for a command)
Green	Airconditioner is running
Red (fixed)	Anomaly - 230V power supply missing (12V is present)
Red (1 flick)	Anomaly - Malfunctioning of the E1 temperature probe (internal)
Red (2 flicks)	Anomaly - Malfunctioning of the E2 temperature probe (external)
Red (3 flicks)	Anomaly - Malfunctioning of the E3 temperature probe (external)
Flashing green	Defrost / Start heat pump

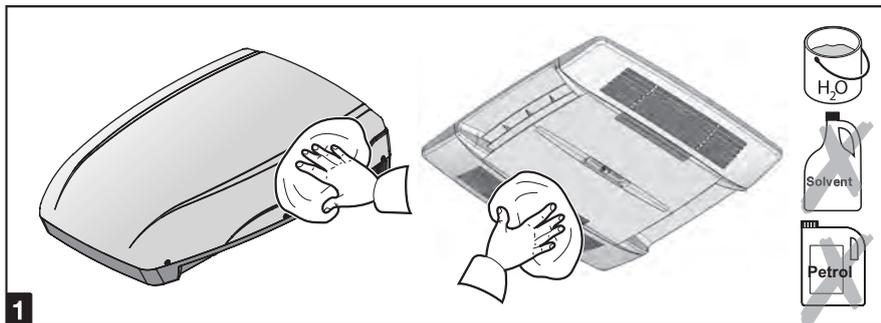
1.6. Technical data



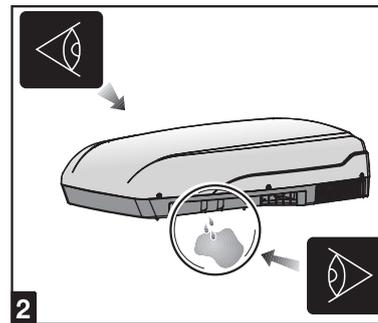
Description	Unit	Model
		B3000 plus
Refrigerant gas (type/quantity)		see date template
Nominal capacity	KW	3,2
Cooling-Heating consumption	W	1200-1350
Heating capacity	KW	3,3
Electrical rating	V-Hz	230-50
Protection degree	IP	X4
Conditioned air volume	m ³ /h	380
Max internal volume of the vehicle (insulated walls)	m ³	30
Weight	Kg	40.5

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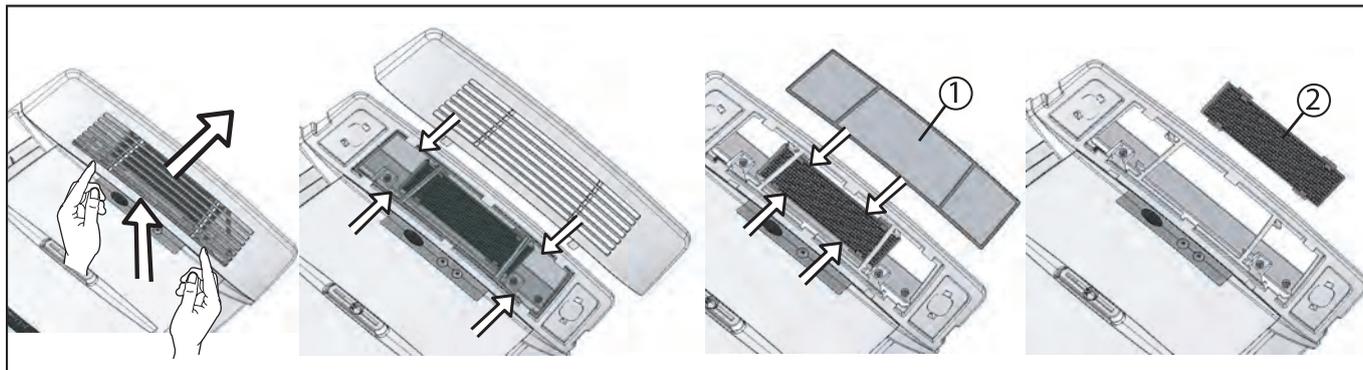
1.7. Ordinary maintenance



1 **Cleaning;** periodically clean the air conditioner and remove dust with a damp cloth. When necessary, use a mild detergent. Do not use petrol or solvents.



2 **Checks;** regularly check the air conditioner and make sure that the water outlet holes are not clogged.



Filters cleaning (1): periodically carry out this operation; wash the filters with a detergent solution and allow to dry before refitting.
Active carbon filter (2): It's recommended to change the active carbon filters every year.