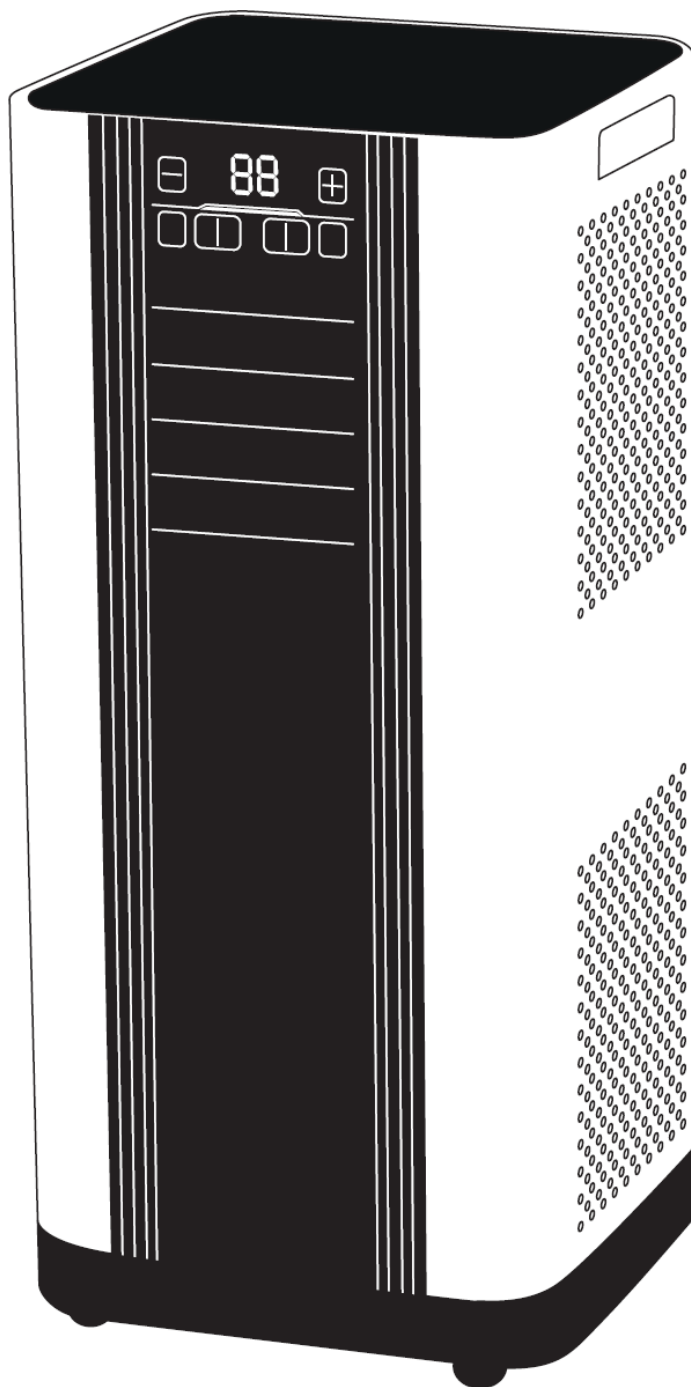


INSTRUCTIONS

Noaton AC 5109



Local air conditioner



Read these instructions Before any kind of use, please read the relevant section of this owner's manual



At the end of its service life, this product may not be disposed of with other household waste, but must be taken to a collection point designated for recycling electrical appliances.



This product complies with valid EU and other regulations.



R290

The product uses flammable refrigerant. There is a risk of fire if refrigerant escapes from the appliance and comes into contact with an open flame or other strong heat source.

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Safety instructions

WARNING

This portable air conditioner may not be used in areas in which the following conditions apply:

- Potentially explosive places
- Aggressive environments and rooms with open flame or other heat sources or electrical discharges
- Areas containing high concentrations of solvents
- Places with extremely high levels of dust

Protect against children: To prevent possible injury, do not allow children to play with this appliance or around it. In your absence, ensure that the appliance remains out of the reach of children.

Ensure appliance is properly earthed: Always use the appliance with an earthing plug and an earthing socket. An earthing plug is an important safety feature that helps reduce the risk of electric shock or fire.

Protect the power cable against damage: Never use an appliance with a damaged power cable, since this may cause a risk of electric shock or fire. If the power supply cable is damaged, it must be replaced by an experienced service technician with another cable of a similar type and rated current. Pull the cable out of the socket only by its handle.

Extension cables: Extension cables must be earthed and able to supply the appropriate voltage to the unit.

Careful handling: Do not throw the air conditioner; do not allow it to fall from any height; and do not allow it to impact against other objects or people. Unsuitable handling may damage the appliance's components or electrical connection and may therefore result in conditions that may cause risk.

Operate on a stable surface: Always operate the appliance on a stable, level surface, e.g. on the floor, so that the air conditioner is unable to fall and cause an injury or be damaged.

Keep away from water: Never use the appliance if it is standing in spilt water: this may cause an electric shock. Do not store or use the appliance outdoors. If the electrical connection or components are damp, dry them thoroughly before use. In case of doubt, do not use the air conditioner and seek advice from a qualified electrician or approved technician.

Keep the air intake clear: Do not block or otherwise impede the air intake. This may occur e.g. if the air conditioner is placed too close to net curtains, walls or any other objects that restrict air intake. This may cause the unit to overheat and start a fire, or cause a risk of electric shock.

Keep electrical components dry: Never allow water to penetrate into the electrical components of the air conditioner. If they, nonetheless, come into contact with water, unplug the appliance from the mains and dry it thoroughly. If you have any doubts about the air conditioner, do not use it – contact a qualified electrician or approved technician.

The operator must instruct the user on how to handle the appliance and check that the user understands this manual and has been familiarized with the safety instructions.

Notes related to R290 refrigerant



This equipment is only designed for use with R290 (propane) refrigerant, which is sealed in the refrigerant circuit under pressure. Repairs to this equipment may only be carried out by a specially trained service technician in accordance with national legislation on flammable substances! Do not manipulate with the cooling circuit, puncture it, or expose it to higher temperatures.

Do not discharge the refrigerant into the atmosphere.

Do not attempt to accelerate the defrosting process in any way (for example, by heating).

The device must be placed in a room of at least 10 m².

R290 is a flammable gas (propane) and is heavier than air. For this reason, its leakage concentration rises most at ground level, but it can swirl (eg through draft, fan, etc.) into higher layers. The propane used in this device is an odourless gas.

Do not use the device in the rooms with in an open fire or other strong heat sources (such as cigarettes, candles, etc.) or electrical discharges. Place the unit in a room that can be ventilated and where gas accumulation is not possible.

If propane is detected in the room or is suspected to be present, do not allow unauthorized persons to locate the leak. In this case, evacuate all people from the room, open the windows, leave the room and notify the local fire station of the propane leak. Do not allow any person to return to the room until the fire brigade commander or a certified service technician decides that the danger is over.

FAILURE TO COMPLY WITH THE ABOVE GUIDELINES MAY RESULT IN FIRE, EXPLOSION, PROPERTY DAMAGE, INJURY OR DEATH.

General principles

Before starting the air conditioner for the first time, please carefully read through the entire instruction manual.

After taking receipt of the appliance, check it carefully to see whether it has suffered any damage during transport. In the case of any damage, you must inform the sender immediately.

After transport, allow the air conditioner to stand in a vertical position for 6 hours before being switched on.

Keep the packaging of the air conditioner stored in a safe place so that you can safely repack the unit and send it for a service, if required. In those places where it has been glued using sticky tape, the packaging can be simply cut through and folded up for easier storage.

Cooling principles of the air conditioner

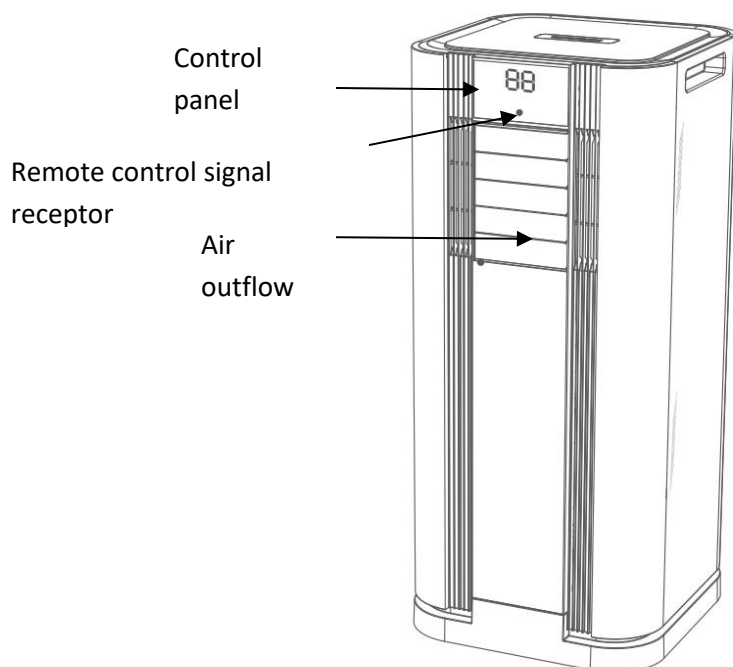
Cooling works best in spaces that have been well sealed, so that there is as little heat intake from sunlight as possible. Leave doors closed, draw the curtains/blinds, and if possible try and cool the room before using it. This procedure is especially suitable with e.g. bedrooms, which should be cooled in advance before going to bed in order to avoid having to keep the air conditioner running overnight.

Technical specifications

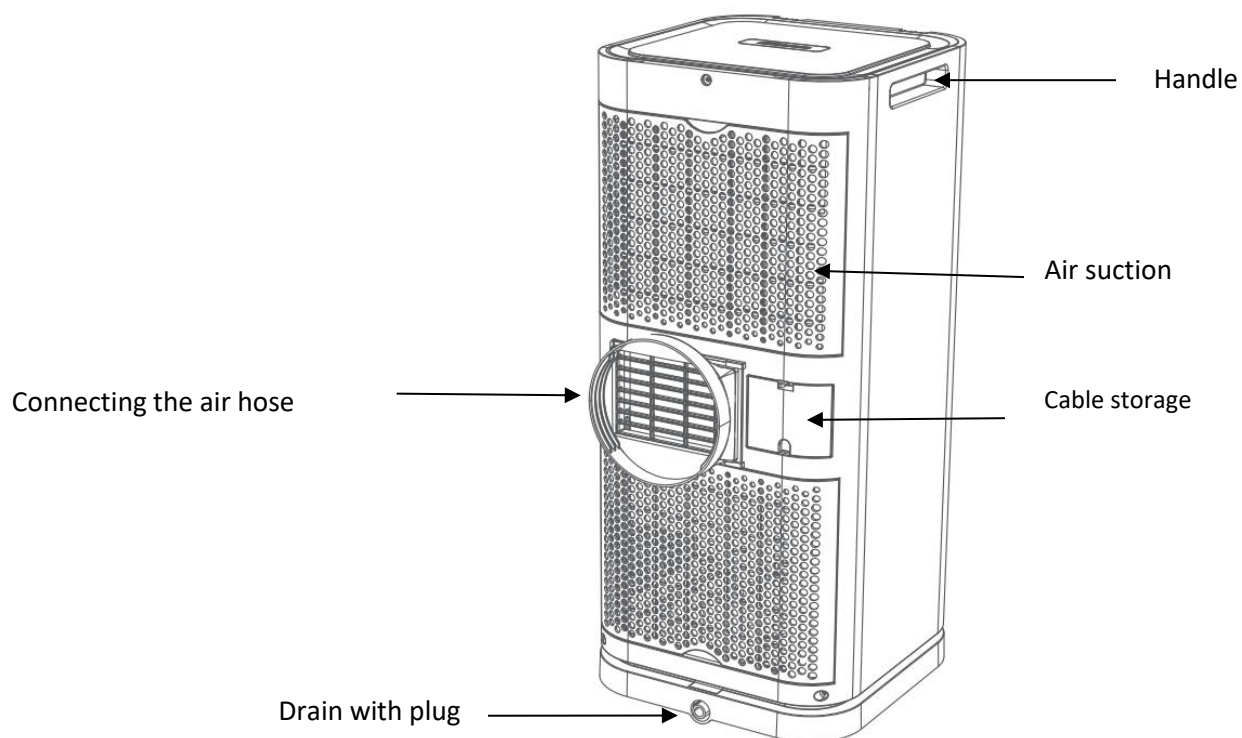
Model	Noaton AC 5109
Power source	AC 220-240 V/1 Ph/50 Hz
Air flow	330 m ³ /h
Dehumidifying capacity (30 °C, 80% RV)	2.3 l/h
Maximum cooling capacity	9000 BTU
Power consumption (cooling mode)	950 W
Cooling current	4.3 A
Operating temperature	15°C–43°C
Refrigerant type	R290 / 0.2 kg
GWP coefficient	3
Equivalent CO ₂	0.0006 t
Noise	55 dB(A)
Dimensions	320 x 320 x 740 mm
Length and diameter of the air hose	160 cm/Ø 151 mm
Length of power cable	188 cm
Inner diameter of the outflow hose	16 mm
Net weight	24 kg
Gross weight	28.5 kg
Battery for the remote control	1x CR2025 – 3V

Product description

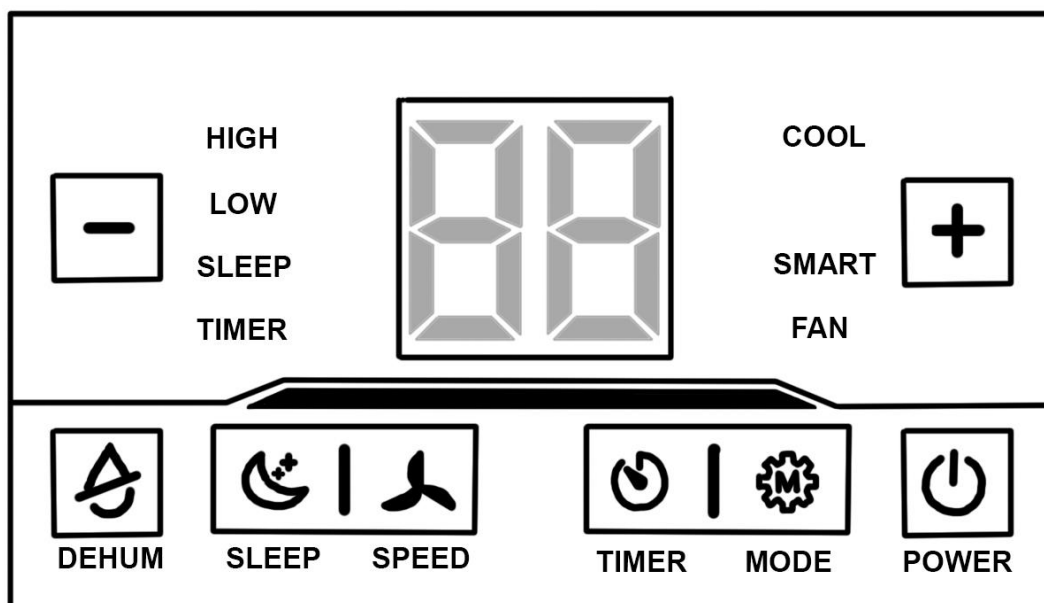
Front



Rear



Control panel



Power on/off button (POWER)

Once connected to the mains power supply, the air conditioner will enter standby mode, the display will flash for a time and emit an audio signal. Press the on/off button (POWER) and the unit will switch to the initial "Smart" mode. To protect the compressor, when the appliance is switched back on it will not start for a period of three minutes.

By pressing the on/off button once again you will switch off the appliance; the fan will continue to function for an additional 10 seconds or so after the machine has been switched off.

Mode change button (MODE)

Press the MODE button to change available modes - COOL/SMART/FAN.

Timer button (TIMER)

If the air conditioner is in standby mode, using the timer button and the "+" and "-" buttons you can set an interval between 1 and 24 hours after which the appliance will switch itself on. The appliance display will show the remaining time until it starts up in hours [Note: always rounded up to the nearest whole hour; so, if e.g. there is 1 h and 15 min until the start, the display will show 02].

In this mode it is also possible to set the required setting after the appliance has started, either by using the buttons on the display or with the remote control.

If the air conditioner is switched on and running, you can use the timer button to set an interval between 1 and 24 hours after which the appliance will switch itself off.

By selecting 0 hours the timer function will switch itself off.

Fan speed button (SPEED)

By pressing this button you switch between low (LOW) and high (HIGH) fan speeds. At the same time, a diode will light up on the control panel beside the relevant speed. This option to change speeds is switched off in the dehumidification (DEHUM) and sleep (SLEEP) modes.

Sleep mode button (SLEEP)

In the cooling (COOL) mode you can select sleep mode. Because of the lower noise level the fan runs at a lower speed and during the first two hours of the target temperature will be automatically raised by one degree Celsius every hour.

Dehumidification button (DEHUM) and connection of the hose

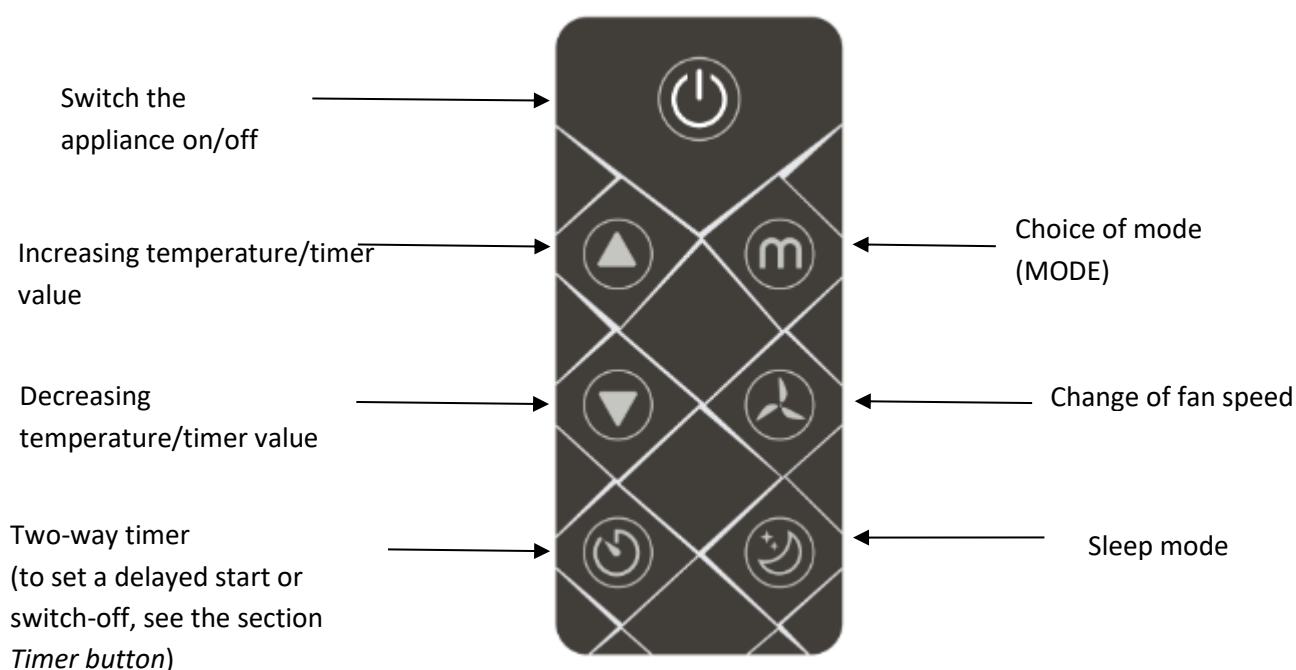
The air conditioner will operate at the lower fan revolutions and dry out the air in the room, provided room temperature remains above 15°C. In this mode it is not possible to set a required temperature or change the fan speed. If the room temperature is lower than 15°C, the compressor will switch itself off and dehumidification will stop.

In this mode it is necessary to attach the hose for releasing water – remove the plug from the lower part of the appliance and attach the hose with a 16 mm diameter (included in the pack). The other end of the hose should either drain into a suitable vessel or directly to a drain. The hose should be set at the minimum incline in order for the condensate to drain out properly.

Once dehumidification is complete, disconnect the hose from the machine and – with a gentle tipping motion towards the outflow – pour out the remaining water from the air conditioner (it is a good idea to place a shallow vessel or plate below the outflow); finally, replace the plug onto to the outflow.

Switch off the dehumidification mode by changing to another mode using the MODE button.

Remote control





Inserting battery (battery is included in the pack)

When you first use the device it is necessary to remove the protective plastic cover from the battery.

Overview of modes

Cooling mode (COOL)

When room temperature is higher than the required temperature, the compressor will run and the air will be cooled. If room temperature is lower than the target (as set by the user), the fan will continue to run but the compressor will be switched off. The pilot light on the control panel beside the inscription COOL will flash [Note: just like when you switch the machine off and back on again the cooling circuit does not start for 3 minutes in order to protect the compressor].

Cooling does not work at temperatures under 15°C or above 43°C.

SMART mode

In the 22–24°C range or below, the unit only uses the fan; above that threshold temperature, the cooling circuit of the appliance is activated and therefore the air conditioner works in cooling mode.

In this mode it is not possible to set the required target temperature, although the fan speed can be adjusted.

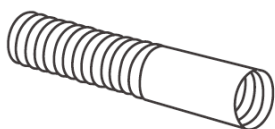
Fan mode (FAN)

In this mode you can switch between fan speeds, but the compressor will not work.

It is not possible to set the temperature.

Package contents

1



2



3



4



5



1 Hose

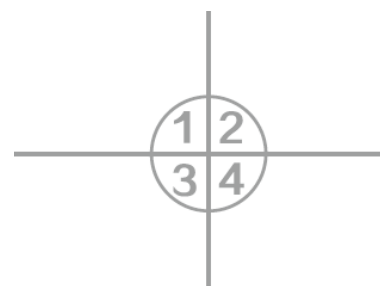
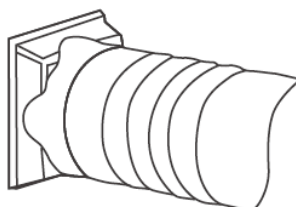
2 Hose adapter

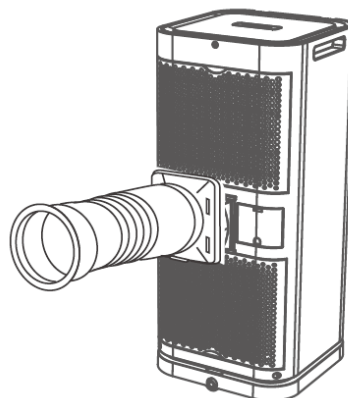
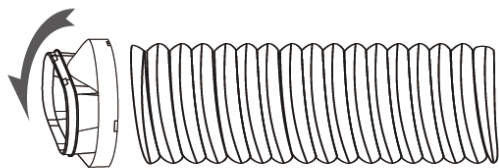
3 Hose end-piece

4 Remote control

5 Outflow hose

Connecting the air hose and the adapter





1. By pulling on both ends of the hose (1) you will stretch it out till its maximum length (160 cm).
2. Attach one end of the hose to the hose adapter (2)
3. Attach the other end of the hose to the hose end-piece (3)
4. Attach the hose using the adapter (2) to the rear of the appliance. The adapter should snap into place.

Increase the efficiency of mobile air conditioning

If you have classic tilt & turn windows (Eurowindows) we recommend to use a textile seal **Noaton AL 4010** in order to seal a gap between a frame and a gasket once the air hose is installed.



Cleaning and storage

Before cleaning your unit, ensure that it is switched off and unplugged from the socket. Clean the appliance using a soft, dry cloth. Prevent any water from penetrating into the machine. Do not use any chemical agents or abrasive preparations on the surface of the appliance. The filter can be vacuum cleaned or washed in warm soapy water. Make sure it is completely dry before reinstallation. The filter should be checked once a week.

Before relocating the air conditioner or moving it into storage, drain off the water using the drainage hose.

Prior to storage, let the appliance run for 4–6 hours in fan mode to let the inner components of the machine dry out completely and remaining water residue evaporate away

When storing the appliance, use the cable space at the rear of the machine for storing the power supply cable. Clean the filter and place in a plastic bag or in its original box in order to protect the fan against dust.

Error messages on the display

IF YOU SEE THE ERROR MESSAGES E0, E1 OR E2 ON THE DISPLAY, PLEASE CONTACT YOUR LOCAL DISTRIBUTOR.

Error message on the display	Meaning	Problem-solving procedure
Ft	Internal water tank is full	Release water from the appliance using the outflow hose.
E0	Error in the main control unit	In this case it is necessary to check whether the cable from the main control board has become detached; alternatively, the control board and/or display may need replacing. Such actions must only be performed by a authorized technician. Please contact your local distributor.
E1	Temperature sensor fault	The temperature sensor needs replacing. Please contact your local distributor
E2	Evaporator coils sensor fault.	The temperature sensor of your evaporator coils needs replacing. Please contact your local distributor

Troubleshooting

BEFORE CONTACTING TECHNICAL SUPPORT, PLEASE CHECK THE FOLLOWING TABLE.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Appliance does not start	Appliance has no power supply	Plug the appliance into the mains.
	Appliance is not switched on	Press the on/off button (POWER).
Power on/off button does not work	Follow the instructions above.	If the problem cannot be solved, contact the manufacturer.
The unit has switched itself on, but the compressor is not working	Wait for a while	The compressor will come on after the first three minutes of operation. This technical measure extends the appliance's lifespan.
Remote control does not function	Worn out battery/remote control out of range	Change the battery in the remote control or stand nearer the appliance.
Increased noise level	Dirty air filter	Clean the air intake filter.
	Air intake is blocked	Check to see whether furniture or curtains are blocking the air intake.
	Uneven floor	Place the air conditioner unit on a level surface
Too loud in the bedroom	Cool the room in advance	Start the air conditioner several hours before you go to bed, and make sure curtains and doors are shut so that the room is cool before sleep.
Cannot change fan speed-	Appliance is in dehumidification or sleep mode.	Change the appliance mode, if required (MODE button).
Cooling is not effective	Room is too big	Check whether cool air is coming out of the machine and either let the machine run for a longer time, or relocate it into a smaller room. Keep doors and windows shut.
	Too much direct sunlight	Prevent direct sunlight by using blinds or curtains.
	Machine has not been running for a long enough time	Cooling the room will take longer if a large amount of heat has accumulated in the walls and other parts of the room. Let the machine run for a longer time.
	Air filter is dirty or blocked	Clean the filter.
Appliance switches itself off.	Required temperature has been reached	If you would like the machine to continue running, set a lower target temperature.
Water leaked when moving the machine	Internal water tank is full	Always drain the water tank before moving the unit.

Product fiche

MANUFACTURER	Gavri s.r.o. Masná 27/9 Brno 60200 CZ
MODEL	Local air conditioner Noaton AC 5109
DIMENSIONS	320 x 320 x 740 mm
TYPE OF AIR CONDITIONER	Single duct, cooling mode only
INNER SOUND PRESSURE LEVEL IN dB(A)	55
REFRIGERANT	R-290 (GWP 3)

Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 3. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 3 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

ENERGY EFFICIENCY CLASS	A
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Energy consumption 1.00 kWh per 60 minutes, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

NOMINAL COOLING POWER P_{RATED}	2.6 kW
EER _{RATED}	2.6
NOMINAL CURRENT	4.3 A
ELECTRICITY CONSUMPTION OF COOLING Q_{SD}	1.00 kWh / 60 min
SOUND POWER LEVEL IN dB(A) re1 pW	55
REFRIGERANT	R-290
REFRIGERANT GWP	3
AMOUNT OF REFRIGERANT	0.2 kg

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Noaton

AC 5109

EER



2,6
kW

2,6
EER



55dB

1,0

kWh/60min*

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* Минута · перс · λεπτά

626/2011