Bosch Split-Type Ductless Air Conditioner / Heat Pump
Climate 5000 AA Series

User Manual
Table of Contents

1     Key to symbols and safety instructions 4
   1.1     Key to symbols 4
   1.2     Safety 4

2     Unit specifications and features 6
   2.1     Unit parts 6
   2.2     Achieving optimal performance 7
   2.3     Other features 7
   2.4     Setting angle of air flow 8
   2.5     Sleep operation 9

3     Manual operation (without remote) 10
   3.1     How to operate your unit without the remote control 10

4     Care and maintenance 11
   4.1     Cleaning precautions 11
   4.2     Cleaning your air filter 11
   4.3     Air Filter Reminders (Optional) 12
   4.4     Maintenance – Long Periods of Non-Use 12
   4.5     Maintenance – Pre-Season Inspection 12

5     Troubleshooting 13
   5.1     Common issues 13

6     Disposal guidelines 15
1 Key to symbols and safety instructions

1.1 Key to symbols

Warnings

The following keywords are defined and can be used in this document:

- **DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury.
- **WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.
- **CAUTION** indicates a hazardous situation which, if not avoided, could result in minor to moderate injury.
- **NOTICE** is used to address practices not related to personal injury.

Important information

This symbol indicates important information where there is no risk to people or property.

1.2 Safety

Please read before proceeding

**WARNING:**

- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children.

Read this manual carefully before installing or operating your new air conditioning unit. Make sure to save this manual for future reference.

**WARNING: INSTALLATION**

- Ask an authorized dealer to install this air conditioner. Inappropriate installation may cause water leakage, electric shock, or fire.
- All repairs, maintenance and relocation of this unit must be performed by an authorized service technician. Inappropriate repairs can lead to serious injury or product failure.

**WARNING: FOR PRODUCT USE**

- If an abnormal situation arises (like a burning smell), immediately turn off the unit and pull the power plug. Call your dealer for instructions to avoid electric shock, fire or injury.
- Do not insert fingers, rods or other objects into the air inlet or outlet. This may cause injury, since the fan may be rotating at high speeds.
- Do not use flammable sprays such as hair spray, lacquer or paint near the unit. This may cause fire or combustion.
- Do not operate the air conditioner in places near or around combustible gases. Emitted gas may collect around the unit and cause explosion.
- Do not operate the air conditioner in a wet room (e.g., bathroom or laundry room). This can cause electrical shock and cause the product to deteriorate.
- Do not expose your body directly to cool air for a prolonged period of time.
**WARNING: ELECTRICAL**
- Only use the specified power cord. If the power cord is damaged, it must be replaced by the manufacturer or certified service agent.
- Keep power plug clean. Remove any dust or grime that accumulates on or around the plug. Dirty plugs can cause fire or electric shock.
- Do not pull power cord to unplug unit. Hold the plug firmly and pull it from the outlet. Pulling directly on the cord can damage it, which can lead to fire or electric shock.
- Do not use an extension cord, manually extend the power cord, or connect other appliances to the same outlet as the air conditioner. Poor electrical connections, poor insulation, and insufficient voltage can cause fire.

**WARNING: CLEANING AND MAINTENANCE**
- Turn off the device and pull the plug before cleaning. Failure to do so can cause electrical shock.
- Do not clean the air conditioner with excessive amounts of water.
- Do not clean the air conditioner with combustible cleaning agents. Combustible cleaning agents can cause fire or deformation.

**CAUTION:**
- If the air conditioner is used together with burners or other heating devices, thoroughly ventilate the room to avoid oxygen deficiency.
- Turn off the air conditioner and unplug the unit if you are not going to use it for a long time.
- Turn off and unplug the unit during storms.
- Make sure that water condensation can drain unhindered from the unit.
- Do not operate the air conditioner with wet hands. This may cause electric shock.
- Do not use device for any other purpose than its intended use.
- Do not climb onto or place objects on top of the outdoor unit.
- Do not allow the air conditioner to operate for long periods of time with doors or windows open, or if the humidity is very high.

Illustrations in this manual are for explanatory purposes. The actual shape of your indoor unit may be slightly different. The actual shape shall prevail.
2 Unit specifications and features

2.1 Unit parts

Figure 1

Display Code Meanings

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;ON&quot;</td>
<td>for 3 seconds when:</td>
</tr>
<tr>
<td></td>
<td>• TIMER ON is set</td>
</tr>
<tr>
<td></td>
<td>• FRESH, SWING, TURBO, or SILENCE features are turned on</td>
</tr>
<tr>
<td>&quot;OF&quot;</td>
<td>for 3 seconds when:</td>
</tr>
<tr>
<td></td>
<td>• TIMER OFF is set</td>
</tr>
<tr>
<td></td>
<td>• FRESH, SWING, TURBO, or SILENCE features are turned off</td>
</tr>
<tr>
<td>&quot;cF&quot;</td>
<td>when anti-cold air feature is turned on</td>
</tr>
<tr>
<td>&quot;dF&quot;</td>
<td>when defrosting</td>
</tr>
<tr>
<td>&quot;SC&quot;</td>
<td>when unit is self-cleaning</td>
</tr>
<tr>
<td>&quot;FP&quot;</td>
<td>when freeze protection is turned on</td>
</tr>
</tbody>
</table>

In other modes, the unit will display your temperature setting.
In Fan mode, the unit will display the room temperature.

A guide on using the infrared remote is not included in this literature package.

For a detailed explanation of each function, refer to the Remote Control Manual.
2.2 Achieving optimal performance

Optimal performance for the COOL, HEAT, and DRY modes can be achieved in the following temperature ranges. When your air conditioner is used outside of these ranges, certain safety protection features will activate and cause the unit to perform less than optimally.

Inverter split type

<table>
<thead>
<tr>
<th>Room Temperature</th>
<th>COOL mode</th>
<th>HEAT mode</th>
<th>DRY mode</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>17°C - 32°C (63°F - 90°F)</td>
<td>0°C - 30°C (32°F - 86°F)</td>
<td>10°C - 32°C (50°F - 90°F)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Outdoor Temperature</th>
<th>COOL mode</th>
<th>HEAT mode</th>
<th>DRY mode</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-15°C - 0°C (5°F - 32°F) (For models with low temp. cooling systems.)</td>
<td>-15°C - 30°C (5°F - 86°F)</td>
<td>0°C - 50°C (32°F - 122°F)</td>
</tr>
</tbody>
</table>

Table 1

FOR UNITS WITH AUXILIARY ELECTRIC HEATER

When outside temperature is below 0°C (32°F), we strongly recommend keeping the unit plugged in at all times to ensure smooth ongoing performance.

2.3 Other features

- **Auto-Restart**
  If the unit loses power, it will automatically restart with the prior settings once power has been restored.

- **Anti-mildew**
  When turning off the unit from COOL, AUTO (COOL), or DRY modes, the air conditioner will continue operate at very low power to dry up condensed water and prevent mildew growth.

- **Louver Angle Memory**
  When turning on your unit, the louver will automatically resume its former angle.

- **Refrigerant Leakage Detection**
  The indoor unit will automatically display "EC" when it detects refrigerant leakage.

For a detailed explanation of your unit’s advanced functionality (such as TURBO mode and its self-cleaning functions), refer to the Remote Control Manual.

To further optimize the performance of your unit, do the following:

- Keep doors and windows closed.
- Limit energy usage by using TIMER ON and TIMER OFF functions.
- Do not block air inlets or outlets.
- Regularly inspect and clean air filters.
2.4 Setting angle of air flow

Setting vertical angle of air flow

While the unit is on, use the SWING /DIRECT button to set the direction (vertical angle) of airflow.

1. Press the SWING /DIRECT button once to activate the louver. Each time you press the button, it will adjust the louver by 6°. Press the button until the direction you prefer is reached.

2. To make the louver swing up and down continuously, press and hold the SWING/ DIRECT button for 3 seconds. Press it again to stop the automatic function.

[Diagram of louver adjustment]

NOTICE:

- Do not keep louver at too vertical an angle for long periods of time. This can cause water condensation to drip on your furnishings.

Setting horizontal angle of air flow

[Diagram of horizontal louver adjustment]

CAUTION:

- Do not put your fingers in or near the blower and suction side of the unit. The high-speed fan inside the unit may cause injury.

The horizontal angle of the airflow must be set manually. Grip the deflector rod (See Fig. 3) and manually adjust it to your preferred direction.

Louver angles

When using COOL or DRY mode, do not set louver at too vertical an angle for long periods of time. This can cause water to condense on the louver blade, which will drop on your floor or furnishings. (See Fig. 2)

When using COOL or HEAT mode, setting the louver at too vertical an angle can reduce the performance of the unit due to restricted air flow.

Do not move louver by hand. This will cause the louver to become out of sync. If this occurs, turn off the unit and unplug it for a few seconds, then restart the unit. This will reset the louver.
2.5 Sleep operation

The SLEEP function is used to decrease energy use while you sleep (and don’t need the same temperature settings to stay comfortable). This function can only be activated via remote control.

Press the SLEEP button when you are ready to go to sleep. When in COOL mode, the unit will increase the temperature by 1°C (2°F) after 1 hour, and will increase an additional 1°C (2°F) after another hour. When in HEAT mode, the unit will decrease the temperature by 1°C (2°F) after 1 hour, and will decrease an additional 1°C (2°F) after another hour.

It will hold the new temperature for 7 hours, then the unit will turn off automatically.

The SLEEP function is not available in FAN or DRY mode.

![Diagram showing SLEEP operation](Figure 4)
3 Manual operation (without remote)

3.1 How to operate your unit without the remote control

In the event that your remote control fails to work, your unit can be operated manually with the MANUAL CONTROL button located on the indoor unit. Note that manual operation is not a long-term solution, and that operating the unit with your remote control is strongly recommended.

Unit must be turned off before manual operation.

To operate your unit manually:
1. Locate the MANUAL CONTROL button on the right-hand side panel of the unit.
2. Press the MANUAL CONTROL button one time to activate FORCED AUTO mode.
3. Press the MANUAL CONTROL again to activate FORCED COOLING mode.
4. Press the MANUAL CONTROL button a third time to turn the unit off.

NOTICE:
- The manual button is intended for testing purposes and emergency operation only. Please do not use this function unless the remote is lost and it is absolutely necessary. To restore regular operation, use the remote control to activate the unit.

Figure 5
4 Care and maintenance

4.1 Cleaning precautions

**CAUTION:**
- Any maintenance and cleaning of outdoor unit should be performed by an authorized dealer or licensed service provider.
- Any unit repairs should be performed by authorized dealer or licensed service provider.

**DANGER: BEFORE CLEANING AND MAINTENANCE**
- Always turn off your air conditioner system and disconnect its power supply before cleaning or maintenance.

**CAUTION:**
- Always turn off your air conditioner system and disconnect its power supply before cleaning or maintenance.
- Do not use chemicals or chemically treated cloths to clean the unit.
- Do not use benzene, paint thinner, polishing powder or other solvents to clean the unit. They can cause the plastic surface to crack or deform.
- Do not use water hotter than 40°C (104°F) to clean the front panel. This can cause the panel to deform or become discolored.

4.2 Cleaning your air filter

**CAUTION:**
- Do not touch air freshening filter for at least 10 minutes after turning off the unit.

**CAUTION:**
- Before changing the filter or cleaning, turn off the unit and disconnect its power supply.
- When removing filter, do not touch metal parts in the unit. The sharp metal edges can cut you.
- Do not use water to clean the inside of the indoor or outdoor unit. This can destroy insulation and cause electrical shock.
- Do not expose filter to direct sunlight when drying. This can shrink the filter.

A clogged air conditioner can reduce the cooling efficiency of your unit, and can also be bad for your health. Make sure to clean the filter once every two weeks.

1. The air filter is under the top air inlet grill.
2. Grip the tab on the end of the filter, lift it up, then pull it towards yourself.

3. If your filter has a small air freshening filter, lift the front panel of the indoor unit, unclip it from the filter holder. Clean this air freshening filter with a handheld vacuum.
4. Clean the large air filter with warm, soapy water. Be sure to use a mild detergent.

5. Rinse the filter with fresh water, then shake off excess water.
6. Dry it in a cool, dry place, and refrain from exposing it to direct sunlight.
7. Close the front panel of the indoor unit.

4.3 Air Filter Reminders (Optional)

Air Filter Cleaning Reminder
- After 240 hours of use, the display window on the indoor unit will flash "CL." This is a reminder to clean your filter. After 15 seconds, the unit will revert to its previous display.
- To reset the reminder, press the LED button on your remote control 4 times, or press the MANUAL CONTROL button 3 times. If you don’t reset the reminder, the "CL" indicator will flash again when you restart the unit.

Air Filter Replacement Reminder
- After 2,880 hours of use, the display window on the indoor unit will flash "nF." This is a reminder to replace your filter. After 15 seconds, the unit will revert to its previous display.
- To reset the reminder, press the LED button on your remote control 4 times, or press the MANUAL CONTROL button 3 times. If you don’t reset the reminder, the "nF" indicator will flash again when you restart the unit.

Replacement Filters

<table>
<thead>
<tr>
<th>Description</th>
<th>Bosch Part Number</th>
<th>9000 BTU</th>
<th>12000 BTU</th>
<th>18000 BTU</th>
<th>24000 BTU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air filter</td>
<td>7738005526</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air filter</td>
<td>7738005615</td>
<td></td>
<td>X (2)</td>
<td>X (2)</td>
<td></td>
</tr>
</tbody>
</table>

Table 2
Consult your local dealer for replacement filters.

4.4 Maintenance – Long Periods of Non-Use
If you plan not to use your air conditioner for an extended period of time, do the following:

- Clean all filters
- Turn on FAN function until unit dries out completely
- Turn off the unit and disconnect the power
- Remove batteries from remote control

4.5 Maintenance – Pre-Season Inspection
After long periods of non-use, or before periods of frequent use, do the following:

- Check for damaged wires
- Clean all filters
- Check for leaks
- Replace batteries
- Make sure nothing is blocking all air inlets and outlets
5 Troubleshooting

<table>
<thead>
<tr>
<th>CAUTION:</th>
<th>If ANY of the following conditions occurs, turn off unit immediately!</th>
</tr>
</thead>
<tbody>
<tr>
<td>► The power cord is damaged or abnormally warm</td>
<td></td>
</tr>
<tr>
<td>► You smell a burning odor</td>
<td></td>
</tr>
<tr>
<td>► The unit emits loud or abnormal sounds</td>
<td></td>
</tr>
<tr>
<td>► A power fuse blows or the circuit breaker frequently trips</td>
<td></td>
</tr>
<tr>
<td>► Water or other objects fall into or out of the unit</td>
<td></td>
</tr>
</tbody>
</table>

DO NOT ATTEMPT TO FIX THESE YOURSELF! CONTACT AUTHORIZED SERVICE PROVIDER IMMEDIATELY!

5.1 Common issues

The following problems are not a malfunction and in most situations will not require repairs.

<table>
<thead>
<tr>
<th>Issue</th>
<th>Possible Causes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit does not turn on when pressing ON/OFF button</td>
<td>The Unit has a 3-minute protection feature that prevents the unit from overloading. The unit cannot be restarted within three minutes of being turned off.</td>
</tr>
<tr>
<td>The unit changes from COOL/HEAT mode to FAN mode</td>
<td>The unit may change its setting to prevent frost from forming on the unit. Once the temperature increases, the unit will start operating in the previously selected mode again.</td>
</tr>
<tr>
<td>The indoor unit emits white mist</td>
<td>In humid regions, a large temperature difference between the room’s air and the conditioned air can cause white mist.</td>
</tr>
<tr>
<td>Both the indoor and outdoor units emit white mist</td>
<td>When the unit restarts in HEAT mode after defrosting, white mist may be emitted due to moisture generated from the defrosting process.</td>
</tr>
<tr>
<td>The indoor unit makes noises</td>
<td>A rushing air sound may occur when the louver resets its position.</td>
</tr>
<tr>
<td>Both the indoor unit and outdoor unit make noises</td>
<td>A squeaking sound may occur after running the unit in HEAT mode due to expansion &amp; contraction of the unit’s plastic parts.</td>
</tr>
<tr>
<td>Low hissing sound during operation: This is normal and is caused by refrigerant gas flowing through both indoor and outdoor units.</td>
<td>Low hissing sound when the system starts, has just stopped running, or is defrosting: This noise is normal and is caused by the refrigerant gas stopping or changing direction.</td>
</tr>
<tr>
<td>Squeaking sound: Normal expansion and contraction of plastic and metal parts caused by temperature changes during operation can cause squeaking noises.</td>
<td></td>
</tr>
<tr>
<td>The outdoor unit makes noises</td>
<td>The unit will make different sounds based on its current operating mode.</td>
</tr>
<tr>
<td>Dust is emitted from either the indoor or outdoor unit</td>
<td>The unit may accumulate dust during extended periods of non-use, which will be emitted when the unit is turned on. This can be mitigated by covering the unit during long periods of inactivity.</td>
</tr>
<tr>
<td>The unit emits a bad odor</td>
<td>The unit may absorb odors from the environment (such as furniture, cooking, cigarettes, etc.) which will be emitted during operations.</td>
</tr>
<tr>
<td>The fan of the outdoor unit does not operate</td>
<td>The unit’s filters have become moldy and should be cleaned.</td>
</tr>
<tr>
<td>During operation, the fan speed is controlled to optimize product operation.</td>
<td>Operation is erratic, unpredictable, or unit is unresponsive</td>
</tr>
<tr>
<td>► Disconnect the power, then reconnect.</td>
<td></td>
</tr>
<tr>
<td>► Press ON/OFF button on remote control to restart operation.</td>
<td></td>
</tr>
</tbody>
</table>

If a problem persists, contact a local dealer or your nearest customer service center. Provide them with a detailed description of the unit malfunction as well as your model number.
## 5.2 Troubleshooting

When troubles occur, please check the following points before contacting a repair company.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poor Cooling Performance</td>
<td>Temperature setting may be higher than ambient room temperature</td>
<td>Lower the temperature setting</td>
</tr>
<tr>
<td></td>
<td>The heat exchanger on the indoor or outdoor unit is dirty</td>
<td>Clean the affected heat exchanger</td>
</tr>
<tr>
<td></td>
<td>The air filter is dirty</td>
<td>Remove the filter and clean it according to instructions</td>
</tr>
<tr>
<td></td>
<td>The air inlet or outlet of either unit is blocked</td>
<td>Turn the unit off, remove the obstruction and turn it back on</td>
</tr>
<tr>
<td></td>
<td>Doors and windows are open</td>
<td>Make sure that all doors and windows are closed while operating the unit</td>
</tr>
<tr>
<td></td>
<td>Excessive heat is generated by sunlight</td>
<td>Close windows and curtains during periods of high heat or bright sunshine</td>
</tr>
<tr>
<td></td>
<td>Too many sources of heat in the room (people, computers, electronics, etc.)</td>
<td>Reduce amount of heat sources</td>
</tr>
<tr>
<td></td>
<td>Low refrigerant due to leak or long-term use</td>
<td>Check for leaks, re-seal if necessary and top off refrigerant</td>
</tr>
<tr>
<td></td>
<td>SILENCE function is activated</td>
<td>SILENCE function can lower product performance by reducing operating frequency. Turn off SILENCE function.</td>
</tr>
<tr>
<td>The unit is not working</td>
<td>Power failure</td>
<td>Wait for the power to be restored</td>
</tr>
<tr>
<td></td>
<td>The power is turned off</td>
<td>Turn on the power</td>
</tr>
<tr>
<td></td>
<td>The fuse is burned out</td>
<td>Replace the fuse</td>
</tr>
<tr>
<td></td>
<td>Remote control batteries are dead</td>
<td>Replace batteries</td>
</tr>
<tr>
<td></td>
<td>The Unit’s 3-minute protection has been activated</td>
<td>Wait three minutes after restarting the unit</td>
</tr>
<tr>
<td></td>
<td>Timer is activated</td>
<td>Turn timer off</td>
</tr>
<tr>
<td>The unit starts and stops frequently</td>
<td>There’s too much or too little refrigerant in the system.</td>
<td>Check for leaks and recharge the system with refrigerant.</td>
</tr>
<tr>
<td></td>
<td>Incompressible gas or moisture has entered the system.</td>
<td>Evacuate and recharge the system with refrigerant</td>
</tr>
<tr>
<td></td>
<td>The compressor is broken</td>
<td>Replace the compressor</td>
</tr>
<tr>
<td></td>
<td>The voltage is too high or too low</td>
<td>Install a manostat to regulate the voltage</td>
</tr>
<tr>
<td>Poor heating performance</td>
<td>The outdoor temperature is lower than 7°C (44.5°F)</td>
<td>Use auxiliary heating device</td>
</tr>
<tr>
<td></td>
<td>Cold air is entering through doors and windows</td>
<td>Make sure that all doors and windows are closed during use</td>
</tr>
<tr>
<td></td>
<td>Low refrigerant due to leak or long-term use</td>
<td>Check for leaks, re-seal if necessary and top off refrigerant</td>
</tr>
<tr>
<td>Indicator lamps continue flashing</td>
<td>“Error code appears in the window display of indoor unit:</td>
<td>The unit may stop operation or continue to run safely. If the indicator lamps continue to flash or error codes appear, wait for about 10 minutes. The problem may resolve itself. If not, disconnect the power, then connect it again. Turn the unit on. If the problem persists, disconnect the power and contact your nearest customer service center.</td>
</tr>
</tbody>
</table>

Table 4

If your problem persists after performing the checks and diagnostics above, turn off your unit immediately and contact your nearest customer service center.
6 Disposal guidelines

Components
Many parts in the Air Conditioner can be fully recycled in the end of the product life. Contact your city authorities for information about the disposal of recyclable products.

Refrigerant
At the end of the service life of this appliance and prior to it's environmental disposal, a person qualified to work with refrigerant circuits must recover the refrigerant from within the sealed system.

WARNING:
- Improper disposal of this appliance endangers your health and is bad for the environment. Hazardous substances may leak into the ground water and enter the food chain.
- Disposing of this product correctly will help ensure that the waste undergoes the necessary treatment, recovery and recycling.