VESTEL

AIR CONDITIONER

USER MANUAL

BIO PLUS INVERTER 9/12/18/24 A+

A member of Zorlu Holding

Dear Customer,

Congratulations for choosing a nature and technology friendly VESTEL product.

Aspiring to present products above and beyond your expectations, VESTEL brings BIO PLUS INVERTER 9/12/18/24 A+ SPLIT SYSTEM AIR CONDITIONER, which is manufactured meticulously at VESTEL's modern plants and rigorously quality-controlled, into your use. This operating manual will guide you through the use of your air conditioner. You will see that your air conditioner is equipped with the most advanced technological solutions and quite easy to use.

The life of your air conditioner will prolong if you perform necessary care and maintenance procedures.

We hope you enjoy using your air conditioner.

This product has been manufactured at environment-friendly VESTEL BEYAZ EŞYA A.Ş. facilities without causing any harm to the nature.

Important Information on Safety

This operating manual includes important information about the initial use, safety, intended use, cleaning and maintenance of your air conditioner.

Always keep this operating manual with your air conditioner. When you transfer your air conditioner make sure to transfer its manual too.

Read the operating manual carefully before using your air conditioner to prevent burns, electric shocks, fire or injury risk, and follow the instructions on operating your air conditioner, troubleshooting and cleaning.

The air conditioner must be mounted by Vestel Authorised Service.

The air conditioner must be grounded.

 **WARNING: Denotes death or severe injury risk.**

 **CAUTION: Denotes injury or property damage risk.**

Contents

Safety Warnings

Safety Information on Installation of the Air Conditioner

WARNING: The air conditioner must be grounded. Insufficient grounding may cause electric shocks. Do not connect the grounding wire to gas pipes, water pipes, lightning conductors or telephone grounding wire. After mounting, the appliance should be powered up in order to determine grounding leak check. If you neglect, it may cause electric shocks and damages in the product.

WARNING: The appliance should be mounted in accordance with "Mounting Instructions" by Vestel Authorised Service . Customers should not assemble the air conditioner by themselves. Otherwise, damages and injuries will occur.

WARNING: Wiring should be done by an expert electrician according to national regulations on electrical wiring.

WARNING: In the event that your air conditioner is connected permanently to a fixed harness system and has a leakage current that may exceed 10 mA, a leakage preventer relay with an operating current not more than 30 mA should be installed on the fixed cable.

WARNING: Your air conditioner should be wired up to the mains at appropriate current with a lagged V-switch.

WARNING: Do not mount the air conditioner near inflammable gases or liquids. This might cause fire.

WARNING: In order to avoid extraordinary noise and vibration, request from the authorised service personnel a proper fixation of the air conditioner.

WARNING: Request from the authorised service personnel the mounting of the air conditioner to somewhere that would not disturb your neighbours.

WARNING: After the mounting, electrical switch/fuse should be easily accessible.

WARNING: W The air conditioner should be connected and operated only according to the information on the product label. Before using the air conditioner, check that the voltage

rating of your mains is compatible with the value specified on the product label.

WARNING: Connect and operate your air conditioner necessarily to a grounded energy line via a fuse.

WARNING: Manufacturer company shall not be held responsible for the damages resulting from operating without grounding.

- Installation and repairs should always be done by the Authorised Service.
- The manufacturing company shall not be held responsible for any damage due to operations conducted by unauthorised persons.
- Your indoor unit should be mounted at no less than 1.8 meters high from the ground.

Safety Information on Use of the Air Conditioner

WARNING: Do not put your fingers or any other object in the air inlet or outlet on the indoor and outdoor units.

WARNING: Do not put any obstacles in front of the outdoor unit and do not cover.

WARNING: Do not insert anything between the fins of air flow router; indoor unit fan may be damaged and cause injuries.

WARNING: As the fan rotates with high speed, it may cause injuries.

WARNING: In order to prevent the air conditioner getting damaged during power cuts or thunder and lightning storms, power off the appliance by switching the fuse/power switch off. Neglecting to do so may cause fire or electric shocks.

WARNING: Contains fluorinated greenhouse gases specified within the scope of the Kyoto Protocol.

CAUTION: Do not expose your body directly to the air flow for a long time. Do not expose humans, pets or plants directly to the hot or cool airflow of the air conditioner in any way. Set the direction of the airflow in such a way that it does not blow directly onto humans.

Do not expose yourself to the cool air for a long time. This may lead to physical and health

problems.

CAUTION: Close the doors and windows; otherwise cooling and heating performance will decrease.

- Do not use the air conditioner for a long time in spaces that is not ventilated at all. Ventilate the environment occasionally while operating the air conditioner with devices such as stove etc. at the same time.
- If the humidity is very high or the doors or windows are open, do not leave the air conditioner running for a long time.
- Do not leave the air conditioner under open air conditions (sun, rain etc.) except the outdoor unit.
- The air conditioner is designed for household applications and indoors. Do not use the air conditioner for purposes (e.g. for the protection of sensitive equipment, foods, pets, plants etc.) other than heating and cooling the space you are in.

WARNING: Operation of the air conditioner for purposes other than its intended purpose may cause damage or dangerous conditions and renders the warranty void. Damages occurred due to these conditions are compensated by the user. Use your air conditioner only according to the intended use defined.

- In order to prevent overloading of the electrical circuit, do not operate any other high-power appliance on the same circuit. Do not connect with extension cables or multi plugs. If you neglect, it may cause electric shocks or damages in the air conditioner.
- For children at the age of 8 or older, and those who have restricted physical, sensory, mental capacity or those who have lack of knowledge and experience; it is needed to supervise them and make them understand the instructions and risks concerning the safe usage of the air conditioner.
- Children should not be allowed to play with the air conditioner. Cleaning and

user maintenance operations should not be made by children unless supervised by an adult.

- Keep children away particularly from the indoor unit of the appliance.
- Cleaning and user maintenance tasks should not be done by unattended children.
- Packaging materials may lead to a choking. Keep them away from the children.
- Before use, check the functions of your air conditioner accurately.
- The air conditioner should be used only if there is no damage on its body and on the power cable.
- Check the power cable for damages regularly. Do not strain the power cable of the air conditioner. Do not put any objects on the power cable.
- If the power cable is damaged, it should be replaced by the authorised service recommended by the producer only in order to avoid any danger.
- Never use your air conditioner under the following conditions:
- If the air conditioner or the power cable is damaged,
- If the air conditioner is not running properly,
- If the electrical parts of the air conditioner are visibly damaged,
- If the air conditioner is wet, has dropped into water or any other liquid, exposed to water flooding incident, its electrical components have come into contact with water,
- If strange noises, smoke or smells emanate from the air conditioner.

If any of the cases mentioned above is detected, shut down your air conditioner immediately, disconnect the power supply connection and contact with the authorised service.

- A damaged air conditioner or damaged parts of the air conditioner may cause severe injuries and fire.
- In case of any malfunction, do not attempt to repair or disassemble the air conditio-

ner yourself.

- If it is re-mounted wrongly, it may cause electric shocks during use. There is no part within your air conditioner which can be repaired by the user.
- Use of accessories not recommended by the manufacturer may cause injuries and damages to the air conditioner.
- Do not damage the air conditioner's cooling system in which refrigerating gas circulates with sharp objects. If the refrigeration gas blows out due to puncturing in heat exchanger gas ducts and upper surface platings of pipe joints, it may cause skin irritations and eye injuries.
- Do not cover or put any object in front of the air inlets and outlets of the air conditioner or the outdoor unit while running.
- Do not spray flammable and refrigerant gases onto the air conditioner.
- When there is a refrigerant gas leakage in the air conditioner, open the windows to ventilate the area and call the Authorised Service.
- When there is a flammable gas leakage in the environment in which the air conditioner is, close the gas and the air conditioner. Do not restart the air conditioner before ventilating the environment completely.
- Do not put heating devices near the air conditioner and the power cable. Excess heat that might be radiated from these devices may melt the plastic parts of the air conditioner.
- Do not touch or run the air conditioner with wet and moist hands.
- If the air conditioner will not be used for a long time, disconnect the power supply from the fuse.
- When the power is restored after a blackout, your air conditioner will restart running again at the last mode it is set.
- If you will leave your home before the power is restored, turn the switch of your air conditioner off.

- Do not throw or insert any object inside the holes.

Make sure that the air conditioner is turned off and the power is cut from the fuse/power switch under the following conditions:

– Before installation.
– Before cleaning and maintenance.
– Before repairs,

- Do not drink the water drained off from the air conditioner. Otherwise, severe health problems may occur.
- Do not leave the indoor unit under the rain or at a location where it can get wet.
- If the air conditioner will be displaced and re-mounted at a new location, contact the authorised service.

Safety Information to be Considered when Performing Cleaning and Maintenance Procedures

- To prevent the risk of electric shock, turn off the air conditioner, shut down its fuse or switch gear before cleaning.
- Do not use liquid or abrasive detergents to clean the air conditioner. Do not splash with water or other liquids; otherwise plastic parts may get damaged and even electric shocks may occur.
- In order to prevent short circuits and fires, keep the indoor unit dry. Clean and maintain your air conditioner as described in the "Cleaning and Maintenance" section.
- Do not use or approximate chemicals to your air conditioner. Do not use substances such as gasoline or thinner.
- Insert the air filter after it gets dry completely. Operating the appliance without filters may cause breakdowns.

Safety Information to Take into Consideration During Handling and Transportation

- During handling and transportation of your air conditioner, watch out the ARROW sign while handling the indoor unit.
- Carry the outdoor unit verti-

cally and keep it vertically at the place it is stored.

- Do not step on and do not put heavy objects on the indoor and outdoor unit boxes.
- For the re-mounting of the air conditioner at a new location, contact the authorised service.

Installation

WARNING: The air conditioner must be installed according to national plumbing directive.

WARNING: The air conditioner should be installed by Vestel Authorised Service according to "Installation Instructions".

WARNING: The appliance should not be mounted on the stairs, exits or hallways of the building.

The stable pressure by which the air conditioner is experienced is 100 Kpa.

The fuse that should be used in the electrical connection of the air conditioner is type C 16 A for 9,000 and 12,000 btu and type C 20 A for 18,000 and 24,000 btu.

Care should be given to the wire diameter cross-section in the electrical wiring of the place where the air conditioner will be installed.

Only the outdoor unit of your air conditioner is proper for use outside the building.

Choosing the Mounting Position

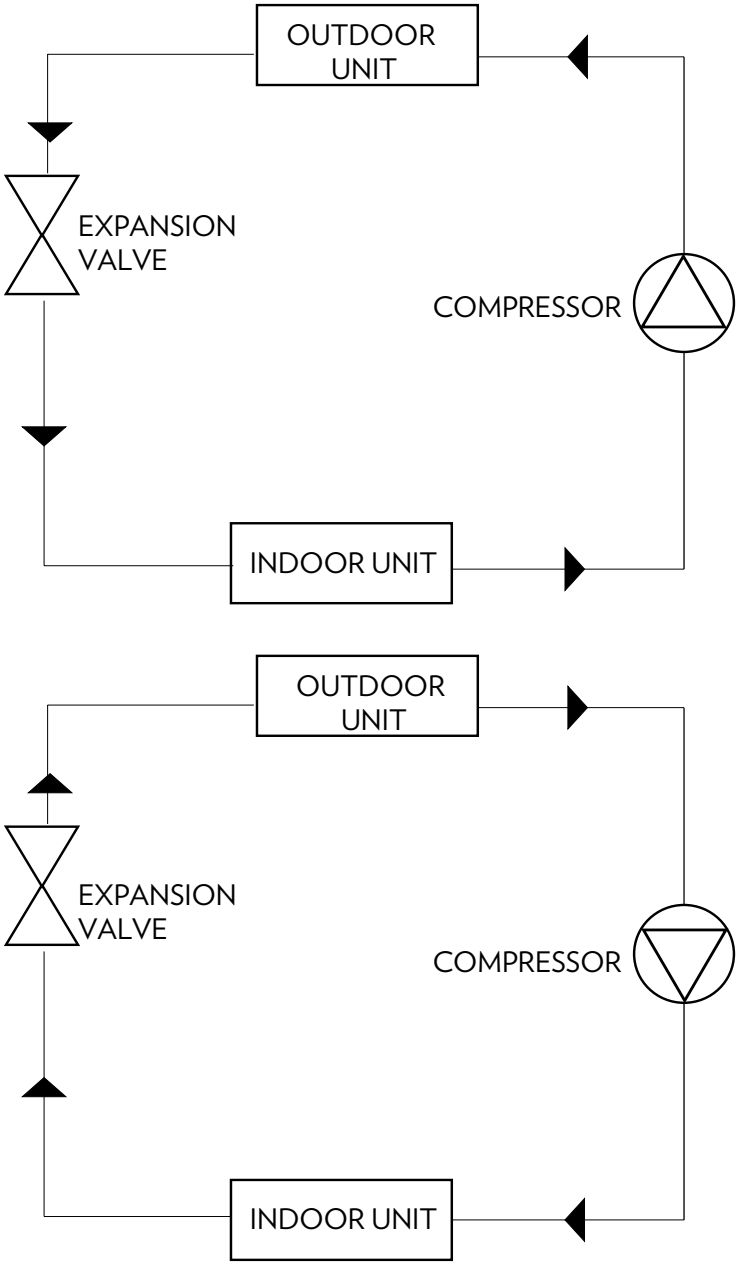
Indoor Unit

- There should not be any vapour or heat source near the air conditioner.
- There should not be any obstacle preventing air circulation at the mounting position.
- Air circulation should be sufficient.
- Discharge should be easily executable.
- It should not be close to the door entrance.
- There should be enough distance between the air conditioner and the wall, ceiling, decorations and other obstacles.
- The mounting position should be about 30 centimetres below the ceiling.

Outdoor Unit

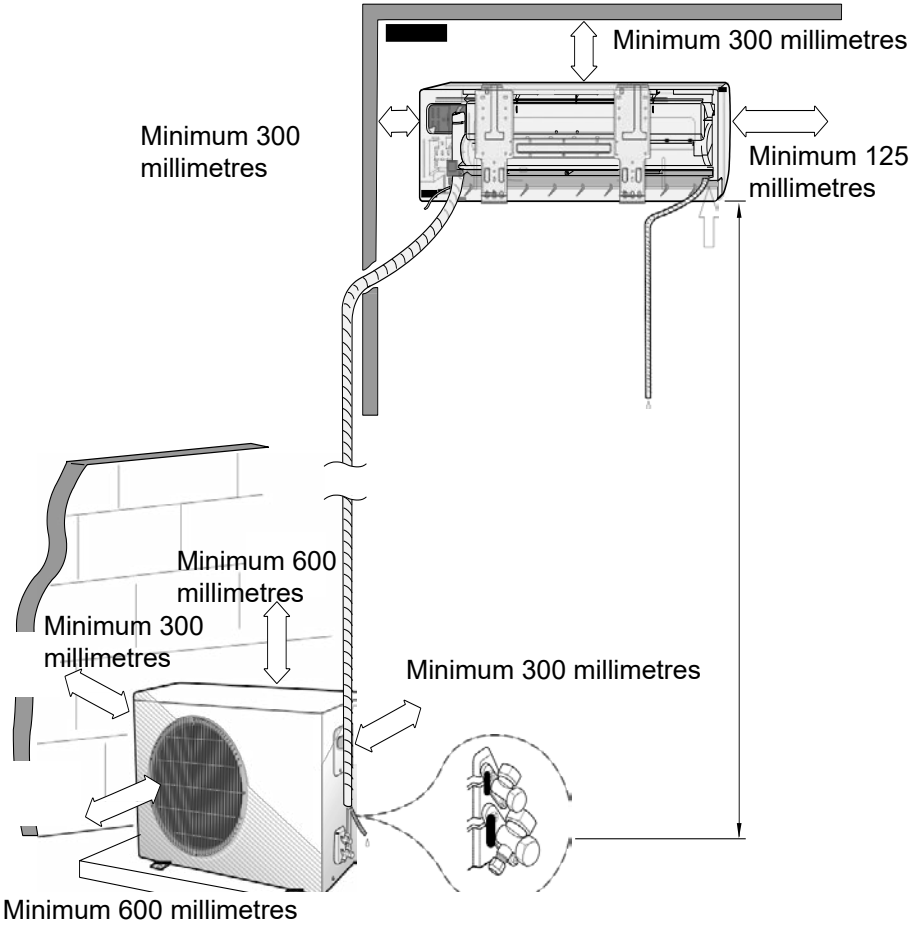
- If there is an awning protecting the outdoor unit from sunlight or rain, make sure that it does not prevent condenser from distributing the heat.
- There should be enough distance between the air conditioner and the wall, ceiling, decorations and other obstacles.

Cooling Circuit



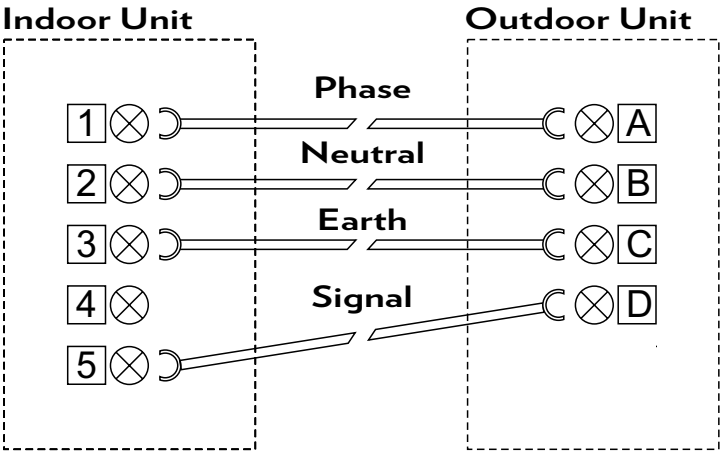
Heating Circuit

The distances stated in the chart below should be applied in the installation of indoor and outdoor units.

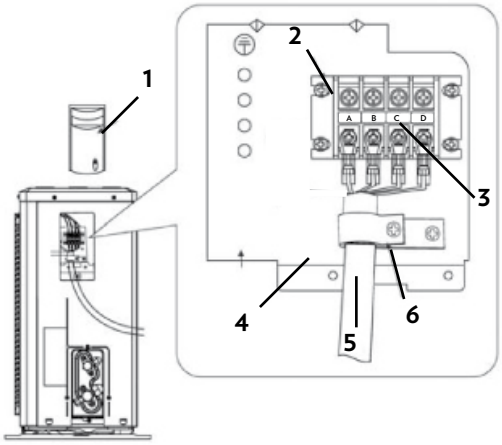


Power Connections of Indoor and Outdoor Units

Indoor and outdoor unit connection chart



Outdoor unit wiring image



1 Lid
2 Terminal panel
3 Earth wire
4 Panel
5 Patch cable
6 Wiring set screw

Batteries

- Do not expose the batteries directly to sunlight, fire, excessive heat and etc.
- Do not use used batteries together with new batteries. Replace the used batteries with the batteries whose shapes and types are the same as defined in the battery installation section. Do not use rechargeable batteries.
- Do not use the remote control if the batteries have leaked. Do not touch the liquid leaking from the batteries. In case of contact, wash out with water.
- The  icon on the remote control display show that the batteries are drained off. When you see this icon, change the batteries.

Liability Limitation

All of the technical information, instructions in this manual includes the latest information on your air conditioner, its operating and maintaining. The manufacturing firm shall not bear any responsibility for any possible damages and injuries due to non-compliance with the instructions in this operating manual, misuse of the appliance, unauthorised reparations, making unauthorised modifications on the appliance and use of spare parts unapproved by the manufacturing firm.

Make sure that the supply voltage at the installation site matches properly with the operation voltage range specified in the technical specifications of your air conditioner and that necessary measures are taken. The user is responsible for assuring the compliance of the electrical wiring at the site where the air conditioner will be installed.

Technical Values

- Nominal values are determined according to T1 climate conditions of TS EN 14511 standards. In case that indoor and outdoor temperatures are different from the temperature values on which the standard is based; cooling and heating capacities would change.
- Seasonal efficiency values are determined according to EN 14825 Standard.
- The values indicated in the product label or other documents related to the product, are obtained in the laboratory environment according to respective standards and they may change depending on the use of the product and indoor/outdoor environment conditions.
- Technical specifications and this manual are subject to change without prior notification.

CE This product complies with the European CE Directives no. 2014/30/EU (Electromagnetic Compliance Directive) and 2014/35/EU (Low Voltage Directive (LVD)).

This appliance conforms to the Directive on Supervision of the Waste Electric and Electronic Equipment (WEEE).

BIO PLUS INVERTER 9 A+ Technical Values			
Nominal Capacity	Cooling	Btu/h	9.000
	Heating	Btu/h	9.500
Nominal Capacity	Cooling	(kW)	2,64
	Heating	(kW)	2,79
Capacity Interval	Cooling	Btu/h	3.800 -10.600
	Heating	Btu/h	3.700 - 11.700
Input Power (Nominal)	Cooling	W	800
	Heating	W	770
Operating Current (Nominal)	Cooling	A	3
	Heating	A	3,1
Design Load	Cooling	(kW)	2,6
	Heating	(kW)	2
Seasonal Energy Efficiency	(SEER) Cooling		5,8
	(SCOP) Heating		3,8
Seasonal Energy Class	Cooling/Heating		A+/A
Refrigerant			R410A
Power source			220-240V / 50 Hz
Outdoor Unit Measures	WxHxD	mm	720 * 532 * 245
Indoor Unit Measures	WxHxD	mm	815 * 298 * 225
Interconnection Pipes	Liquid line	inch	1/4
	Gas Line	inch	3/8
Noise level	Indoor Unit	dbA	53
	Outdoor unit	dbA	60
Outdoor Operating Temperature	Heating (Minimum)		-10
	Cooling (Maximum)		+46

BIO PLUS INVERTER 12 A+ Technical Values			
Nominal Capacity	Cooling	Btu/h	12.000
	Heating	Btu/h	12.500
Nominal Capacity	Cooling	(kW)	3,52
	Heating	(kW)	3,67
Capacity Interval	Cooling	Btu/h	4.400 - 13.000
	Heating	Btu/h	4.100 - 13.650
Input Power (Nominal)	Cooling	W	1.290
	Heating	W	1.120
Operating Current (Nominal)	Cooling	A	4,3
	Heating	A	4,8
Design Load	Cooling	(kW)	3,5
	Heating	(kW)	3
Seasonal Energy Efficiency	(SEER) Cooling		5,8
	(SCOP) Heating		3,8
Seasonal Energy Class	Cooling/Heating		A+/A
Refrigerant			R410A
Power source			220-240V / 50 Hz
Outdoor Unit Measures	WxHxD	mm	720 * 532 * 245
Indoor Unit Measures	WxHxD	mm	815 * 298 * 225
Interconnection Pipes	Liquid line	inch	1/4
	Gas Line	inch	1/2
Noise level	Indoor Unit	dbA	53
	Outdoor unit	dbA	61
Outdoor Operating Temperature	Heating (Minimum)		-10
	Cooling (Maximum)		+46

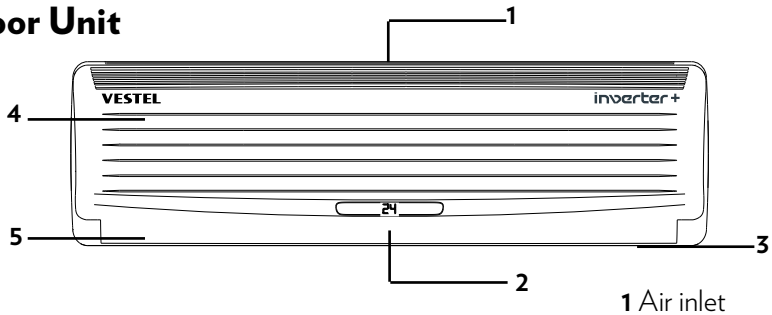
BIO PLUS INVERTER 18 A+ Technical Values			
Nominal Capacity	Cooling	Btu/h	18.000
	Heating	Btu/h	18.700
Nominal Capacity	Cooling	(kW)	5,28
	Heating	(kW)	5,48
Capacity Interval	Cooling	Btu/h	6.100 - 20.100
	Heating	Btu/h	5.700 - 20.800
Input Power (Nominal)	Cooling	W	1.860
	Heating	W	1.730
Operating Current (Nominal)	Cooling	A	8,2
	Heating	A	7,6
Design Load	Cooling	(kW)	5
	Heating	(kW)	4
Seasonal Energy Efficiency	(SEER) Cooling		5,8
	(SCOP) Heating		3,8
Seasonal Energy Class	Cooling/Heating		A+/A
Refrigerant			R-410A
Power source			220-240V / 50 Hz
Outdoor Unit Measures	WxHxD	mm	811 * 619 * 320
Indoor Unit Measures	WxHxD	mm	1080 * 275 * 215
Interconnection Pipes	Liquid line	inch	1/4
	Gas Line	inch	1/2
Noise level	Indoor Unit	dbA	55
	Outdoor unit	dbA	62
Outdoor Operating Temperature	Heating (Minimum)		-10
	Cooling (Maximum)		+46

BIO PLUS INVERTER 24 A+ Technical Values			
Nominal Capacity	Cooling	Btu/h	22.700
	Heating	Btu/h	23.000
Nominal Capacity	Cooling	(kW)	6,65
	Heating	(kW)	6,73
Capacity Interval	Cooling	Btu/h	6.900 - 24.000
	Heating	Btu/h	6.600 - 24.200
Input Power (Nominal)	Cooling	W	2.590
	Heating	W	2.485
Operating Current (Nominal)	Cooling	A	11,9
	Heating	A	11,2
Design Load	Cooling	(kW)	6,5
	Heating	(kW)	4,5
Seasonal Energy Efficiency	(SEER) Cooling		5,8
	(SCOP) Heating		3,8
Seasonal Energy Class	Cooling/Heating		A+/A
Refrigerant			R-410A
Power source			220-240V / 50 Hz
Outdoor Unit Measures	WxHxD	mm	911 * 619 * 320
Indoor Unit Measures	WxHxD	mm	1080 * 275 * 215
Interconnection Pipes	Liquid line	inch	1/4
	Gas Line	inch	5/8
Noise level	Indoor Unit	dbA	57
	Outdoor unit	dbA	65
Outdoor Operating Temperature	Heating (Minimum)		-10
	Cooling (Maximum)		46

General View

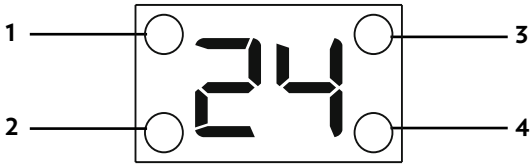
The images are intended only to provide information on the components of the appliance. Components may differ according to the air conditioner model. Pictures are representative.

Indoor Unit



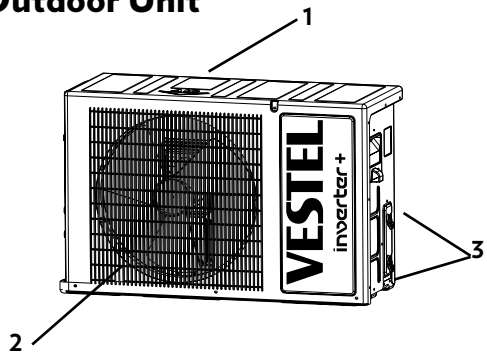
1 Air inlet
2Display
3 Air outlet
4Front casing
5Horizontal fin

Indoor Unit Display



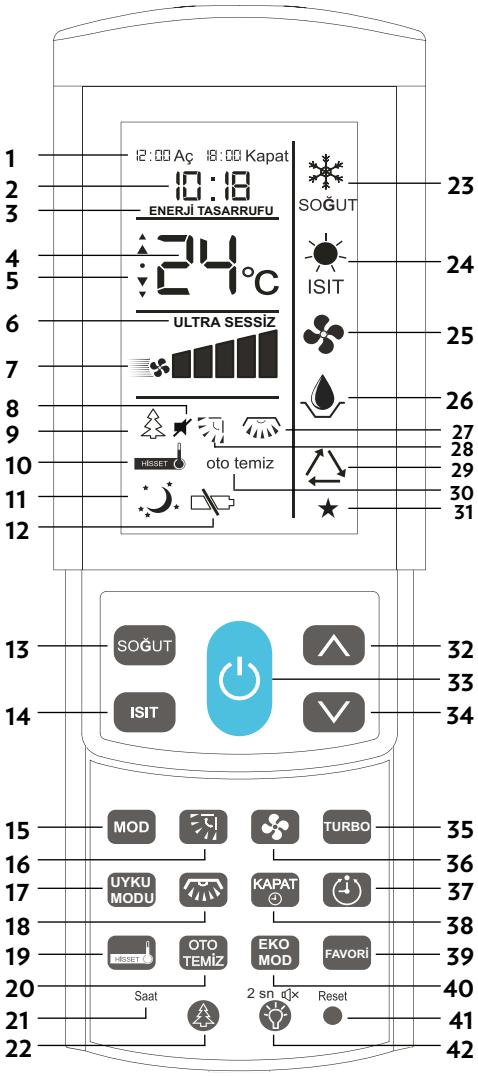
1 Operation mode display/Defrosting
2 Timer display
3 Fan display
4 Turbo display/Ionizer

Outdoor Unit



1 Air inlet
2 Air outlet
3 Indoor unit attachment points

Remote Control

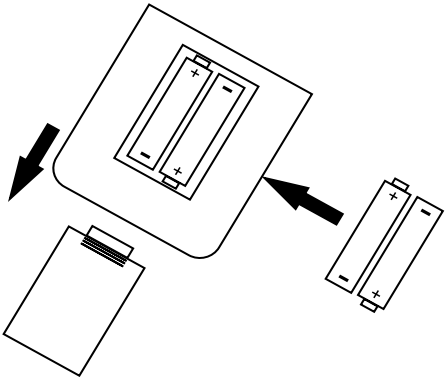


1. On-off setting indicator
2. Hour indicator
3. Energy Saving indicator
4. Temperature display
5. Automatic mode temperature setting display
6. Silent/Ultra Silent mode display
7. Fan speed display
8. Signal (Beep) sound display
9. Ionizer display (*)
10. Sense the ambient temperature display (*)
11. Sleep mode display
12. Battery charge display
13. Cooling button
14. Heating button
15. Mode selection button
16. Horizontal fin setting button
17. Sleep mode button
18. Vertical fin setting button (*)
19. Sense the ambient temperature button (*)
20. Self-cleaning button (*)
21. Clock setting button
22. Ionizer button (*)
23. Cooling mode display
24. Heating mode display
25. Fan mode display
26. Dehumidification mode display
27. Vertical fin display (*)
28. Horizontal fin display
29. Automatic mode display
30. Self-cleaning display (*)
31. Favourite mode display
32. Increase temperature button
33. On-off button
34. Decrease temperature button
35. Turbo mode button
36. Fan speed adjustment button
37. On/off time setting button
38. Automatic shut down setting button
39. Favourite mode button
40. Eco mode button
41. Factory defaults button
42. Remote led and Signal Sound button

WARNING: functions with (*) sign may not be present on the product you purchased.

Installing and Replacing Remote Control Batteries

The icon on the remote control display show that the batteries are drained off. When you see this icon, change the batteries. Use two AAA type, 1.5 V alkaline batteries, do not use rechargeable batteries. Open the battery compartment lid by sliding it in the direction of the arrow. Place the two AAA 1.5v battery in their slots while paying attention to match the (+) and (-) polarity markings correctly, then close again the lid. (+) and (-) polarity markings of the batteries are shown in the battery compartment of the remote control.



Setting the Remote Control Clock

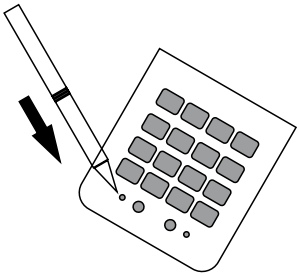
Your air conditioner has a clock for turning on and off automatically at desired times. You need to set the clock when you use your air conditioner for the first time or change the batteries of the remote.

When you set the clock for the first time, place the batteries. Start to adjust the clock pressing up and down adjustment buttons. It is needed to start the adjustment operation in 5 seconds after placing the batteries. If the adjustment is not made, the clock will be set as 0:00. After setting the clock, you don't need to press any button. Your adjustment will be saved automatically.

Every time you press the key, the clock time will increase one minute; every time you press the key, the clock time will decrease one minute.

As you continue pressing the keys, the clock time minutes will increase or decrease rapidly.

When you need to reset the clock, you may start adjustment by pressing the clock button directly.



Points to Take into Consideration While Using the Remote Control

In order to use your air conditioner effectively and efficiently by means of your remote, keep the following points in mind:

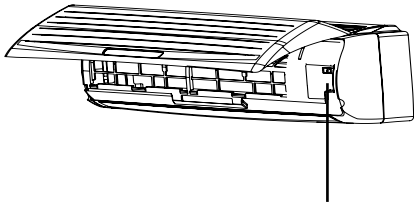
- Point the remote control towards the signal receiver on the air conditioner. The remote should at most be 6 meters away from the air conditioner.
- There should not be any obstacle between the remote and the receiver.
- Do not drop or throw the remote control.
- If you do not hear a signal (beeping) sound when you press the remote buttons, the signal is not received. In order to make your air conditioner communicate better with the remote control, position yourself in a closer and straighter way. Make sure to not to turn the signal sound off. See (Signal sound cancellation)
- Do not put the remote under sunlight or next to any heat source.

Operating Your Air Conditioner without Remote Control

If your remote gets lost or become unusable, you can operate your air conditioner directly from the indoor unit.

- Push the front casing of the indoor unit from right and left-hand sides and lift up.
- Turn on the air conditioner by pressing the button on the right-hand side. When you press the button, the operation display lights up and the air conditioner starts running in the most appropriate mode for room temperature.
- To turn off the air conditioner press the on/off button again.

When you turn it on by the on/off button, the air conditioner starts to operate in the automatic mode.



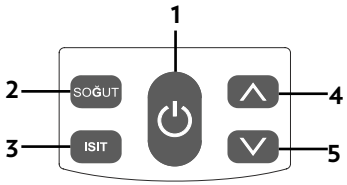
On/Off buttoni

Operating

All functions necessary to use your air conditioner easily and effectively are present on your remote. All functions are operated via the buttons on your remote and the changes made can be observed from the remote display screen.

Getting Started and Rapid Use

Fist of all, turn on the fuse of your air conditioner if it is off. After your air conditioner is installed and made ready for using by the authorised service, you can turn it on by pushing the button on the remote. The most used functions such as cooling-heating temperature change are placed right below the displays for rapid and easy access. You may turn on and off your air conditioner from these buttons, give it commands by changing its mode of operation or by increasing or decreasing the temperature.



1 On/off button
2 Cooling mode
3 Heating mode
4 Increase temperature
5 Decrease temperature

You can turn on or off your air conditioner by pressing the button.

By pressing the SOĞUT button, you may shift your air conditioner to cooling mode, and set the temperature you want by and buttons.

By pressing the ISIT button, you may shift your air conditioner to heating mode, and set the temperature you want by and buttons.

When your remote control is off, without pressing the button, you may operate your air conditioner in these modes by directly pressing the SOĞUT or ISIT buttons.

Operating Temperature Intervals

Operating temperature intervals in which you can use your air conditioner;

Outdoor (Outdoor unit)

Cooling	Heating
+10 / +46 °C	-10 / +24 °C

Indoor (Indoor Unit)

Cooling	Heating
+18 / +30 °C	+16 / +30 °C

- If the outdoor temperature is high, your air conditioner may not operate in full capacity on cooling mode.
- If the outdoor temperature is low, your air conditioner may not operate in full capacity on heating mode.
- If the indoor environment is sticky, the internal air outlet may humidify.

- If the air conditioner is operated in high humidity rates for a long time, the water may condense and drop on the surface of indoor unit.

Functions of Your Air Conditioner

WARNING: Functions of your air conditioner vary according to the properties of the appliance. That is why, the (*) marked functions explained in the following pages, do not operate if they are not found in your product.

For effective and efficient use, your air conditioner has functions which can be comfortably controlled from the remote. You can have a more pleasant living space with these functions.

The function to be explained in detail in the following pages;

Cooling Function
On cooling mode, you may adjust the environment temperature between 18–30°C according to your comfort need.

Heating Function
On heating mode, you may adjust the environment temperature between 16–30°C according to your comfort need.

ENERJİ TASARRUFU ECO Function
This function decrease the energy consumption on cooling and heating modes. The temperature values that are adjustable with the remote control, are limited by the most appropriate interval for the comfortable environment conditions.

Automatic Mode
By this function, your air conditioner determines its operating mode according to the environment conditions. Depending on the temperature, it makes heating, cooling or dehumidification.

Horizontal Fin Direction Function
You can adjust the direction of the air blown out by the indoor unit of your air conditioner vertically by pressing the horizontal fin button.

Fan Function
Circulates the air in the room without changing the room temperature.

Dehumidification Function
Without over cooling, it decreases the level of humidity and keeps the environment temperature in the 18-30 degrees interval.

Turbo Function
You can achieve the most rapid cooling or heating possible for 30 minutes by the turbo function.

Sleep Mode Function
This function prevents the over heating or cooling of the room during sleep. Your air conditioner operates with the most appropriate comfort for your sleep with a minimum sound volume.

Vertical Fin Direction (*)
You can direct the air circulation in the environment vertically by adjusting the position of the vertical fin as you like.

KAPAT Power Off Function

By this function, a countdown that you determined will start and your air conditioner will turn off automatically when the countdown is terminated.

Automatic Turn On/Off Function

You can program your air conditioner to be turned on or off at the time you set in advance.

Sense Function (*)

Your air conditioner operates according to the temperature of the location where the remote is in.

oto temiz **Self-Cleaning Function (*)**

Starting from the moment that your air conditioner is turned off, it prevents the humidity related undesired malodorous by making the indoor unit heat exchanger dry.

Ionizer Function (*)

Researches show that the air with more anion make us feel more lively and energetic. İonizer produces anions and diffuse them to the environment air for this purpose.

Favourite Function

It makes you determine the most comfortable operating mode that you are familiar with, and use it with one touch any time you wish.

Signal (Beep) Sound Cancellation Function

By this button, you can turn on and off the signal (beeping) sound coming from your air conditioner when you press the remote control buttons.

Mode Function

To turn your air conditioner on, press the button. By the MOD button you can switch between cooling, heating, fan, dehumidification and automatic modes in a fast way. Every time you press the MOD button your air conditioner switches to the next mode.

Cooling Function

If you want your air conditioner to cool the environment down,

- To turn your air conditioner on, press the button.
- Your air conditioner will start running again at the mode you selected last.
- Press the MOD button until the symbol at the display screen of your remote is activated. You can also switch to the cooling mode by pressing the SOĞUT button on your remote.
- After selecting the cooling mode, by the and buttons, you may adjust the environment temperature between 18–30°C according to your comfort need.
- Every time you press the buttons, temperature increases or decreases 1 °C. The lowest temperature at the cooling mode is 18 °C.
- In the cooling mode, you can adjust the fan speed with the button, and the direction of vertical and horizontal air flow with the and buttons.

You may change the mode at any time you want.

Heating Function

If you want your air conditioner to heat

the environment up,

- To turn your air conditioner on, press the button.
- Your air conditioner will start running again at the mode you selected last.
- Press the MOD button until the symbol at the display screen of your remote is activated. You can also switch to the heating mode by pressing the ISIT button on your remote.
- After selecting the heating mode, by the and buttons, you may adjust the environment temperature between 16–30°C according to your comfort need.
- Every time you press the buttons, temperature increases or decreases 1 °C. The highest temperature at the heating mode is 30°C.
- In the heating mode, you can adjust the fan speed with the button, and the direction of vertical and horizontal air flow with the and buttons.

You may change the mode at any time you want.

ECO (Energy Saving) Function

When the ECO function is enabled by the EKO MOD button, the energy consumption decreases up to 30% on cooling and heating modes depending on the model. When the ECO function is enabled, the temperature adjustment interval of your remote control will be automatically between 23-30 °C on the cooling mode, and between 16-24 °C on the heating mode. There will be no temperature adjustment lower than 23 °C for the cooling mode and higher than 24 °C for the heating mode. When you press the EKO MOD button, the ENERJİ TASARRUFU icon will be displayed on the remote control display.

- After the ECO mode is enabled, if any mode switch is made, the ECO function will be disabled. It should be adjusted again when necessary.
- The ECO function can be adjusted for the cooling and heating modes. To cancel the function, press the EKO MOD button again.
- You may operate the sleep function when the ECO function is enabled. In this case, due to the ECO function, there will be some limitations in the adjustable temperature interval.
- When both the sleep mode and the ECO function are active, you may cancel the Sleep mode or the ECO function any time you wish.

WARNING: When the ECO function is active, the air conditioner's capacity may fall.

Horizontal Fin Function

you can adjust the direction of the air blown out by the indoor unit of your air conditioner vertically by pressing the button. Every time you press the button, the position of the fin changes. The horizontal fin may be adjusted in 5 different positions. If you continue to press the button, horizontal fins start to move up and down automatically. If you press the button one more time, the movement will stop.

WARNING: Never interfere the horizontal fins by hand.

Automatic Mode

For the automatic mode, press the MOD button until you see the icon on the remote control display. Your air conditioner will determine its operating mode automatically according to the environment temperature. Depending on the temperature, it makes heating, cooling or dehumidification. On this mode, the air conditioner operates with the target of 24±2 °C adjustment interval. The highest and lowest temperature values that determine the operating mode of the automatic mode, are 20 and 27°C.

- If the environment temperature is below 20°C, the air conditioner starts heating.
- If the environment temperature is between 20°C and 27°C, the air conditioner starts dehumidification.
- If the environment temperature is above 27°C, the air conditioner starts cooling.
- During heating and cooling, the fan operates automatically. At the same time, the turbo mod can also be operated but the fan speed cannot be changed.
- When the automatic mode is enabled, the 24°C temperature value is shown on the indoor unit display.
- On this mode, you may increase or decrease on cooling and heating modes the target temperature value for 2°C. You may change the temperature value by the ∧ and ∨ buttons and monitor the increase and decrease of the temperature values via the ▲ ▲ ▼ ▼ icons on the temperature display of your remote control.
- When the default temperature is 24°C, the ● icon is active.
- When you increase the temperature one degree; respectively ▲ (25°C) and ▲ (26°C) upward arrow icons, when you decrease respectively ▼ (23°C) and ▼ (22°C) downward arrow icons display the temperature.

WARNING: When you turn the air conditioner on by the on/off button on the indoor unit, the air conditioner starts to operate in the automatic mode.

Fan Function

When the air conditioner is on the fan mode, it circulates the air in the room without changing the room temperature.

1. Turn your air conditioner on by the ⏻ button.
2. Press the button until you see the MOD icon on the display.
3. You may choose the desired fan speed by pressing the button.

WARNING: When the fan function is active, your air conditioner's compressor does not operate.

WARNING: When the very low fan speed is chosen in the sleep mode, instead of SESSİZ, the ULTRA SESSİZ icon will be displayed on the remote control display.

Indoor Unit Fan Speed Adjustment

You may adjust the air flow speed by pressing the fan button on the remote control. There are 6 different speed level for the fan speed.

Adjustable speed levels:

SESSİZ	Very low
	Low
	Medium
	Medium-High
	High
 (respectively blinking)	Automatic

WARNING: In the fan mode, the automatic fan speed cannot be chosen.

Dehumidification Function

For the automatic mode, press the MOD button until you see the icon on the remote control display. In order to increase the air quality, you may make the high level of humidity away from the environment without significantly decreasing the temperature.

During the dehumidification operation;

- The temperature can be changed optionally.
- The fan rotates in the lowest speed and cannot be changed.
- When the dehumidification function is active, the Turbo function does not operate.
- The horizontal fin stands in the default position.

Turbo Function

You can use the turbo mode by the button in order to achieve the temperature you like from your air conditioner at the shortest time possible. Your air conditioner will return to the last selected mode after it runs at the highest speed for 30 minutes. In order to stop the turbo mode before the time is run out, press the button again.

Sleep mode

When the sleep mode is enabled by the button, your air conditioner operates with the most appropriate comfort for your sleep with a minimum sound volume. This function prevents the over heating or cooling of the room during sleep. On the sleep mode, the indoor and outdoor unit volume is decreased. While the indoor user's comfort is ensured, it also prevents any inconvenience made to neighbours resulting from the noise.

- When you select the sleep mode, if you are currently running in the cooling mode, your air conditioner will increase the temperature 1°C by the end of the first hour and 1°C more by the end of the second hour. Sleep mode will end after the air conditioner runs 6 more hours at this temperature.
- When you select the sleep mode, if you are currently running in the heating mode, your air conditioner will decrease the temperature 1°C by the end of the first hour and 2°C more by the end of the second hour. Sleep mode will end after the air conditioner runs 6 more hours at this temperature.
- When the sleep mode is completed, the air conditioner will turn off completely.
- After selecting the sleep mode, the display signal of the air condition will

turn off in approximately 3 minutes.

- You can operate the sleep mode and the automatic closing mode together. After switching your air conditioner to the sleep mode, you can make the automatic closing adjustment.
- After selecting the sleep mode, you can enable the ECO function. In this case, due to the ECO function, there will be some limitations in the adjustable temperature interval.
- WWhen both the sleep mode and the ECO function are active, you may cancel the Sleep mode or the ECO function any time you wish.

WARNING: When you select the lowest fan sleep on the sleep mode, the ULTRA SESSİZ icon will be displayed on your remote control. See Indoor Unit Fan Speed Adjustment

WARNING: When the Sleep mode is active, the air conditioner's capacity may fall.

Vertical Fin Function (*)

You can adjust the direction of the air blown out by the indoor unit of your air conditioner horizontally by pressing the button. Every time you press the button, the position of the fin changes. The vertical fins may be adjusted in 5 different positions. If you continue to press the button, the vertical fins start to move to the left and right automatically. If you press the button one more time, the movement will stop.

WARNING: Never interfere the vertical fins by hand.

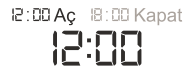
Auto Power Off Function

The KAPAT button turns your air conditioner off automatically by the end of a time you set in advance. You can select among 5 different durations for auto power off. Every time you press the button, next duration is selected. When the counter on the remote display screen reaches to 00.00, the air conditioner shuts down.
Durations you can select for auto power off are 30 minutes, 1 hour, 2 hours, 3 hours and 5 hours.

Auto Power On Function

You can separately set times in advance for your air conditioner to turn on and off at the times you wish. Your air conditioner will start running at the time you wish with the mode you set in your last use, and then turns off at the time you wish.

In order to set automatic power on time, press the button while your air conditioner is off. To set the starting time you want, use the and buttons at the centre of your remote. When the desired time value is displayed on the remote control display, the adjustments are saved automatically in 3 seconds. If you press the button once again or turn on the air conditioner before the time set, these settings will be cancelled.



In order to set the automatic power off time, press the button while your air conditioner is on. To set the closing time

you want, use the ∧ and ∨ buttons at the centre of your remote. When the desired time value is displayed on the remote control display, the adjustments are saved automatically in 3 seconds. If you press the ⏲ button once again or turn off the air conditioner before the time set, these settings will be cancelled.

For auto power on and off feature to work properly, the clock in the remote should be adjusted correctly.
The durations you can set for power on or off will increase and decrease 10 minutes at a time. Press the ⏲ button when the desired opening and closing time is shown on the display. The time you set will be saved. The Opening/Closing time cannot be adjusted in the same way.

Sense Function (*)

With the HİSSET button, you can adjust the room temperature according to the temperature at the location of the remote. Your air conditioner sets the temperature at the location of the remote as the desired temperature and operates according to this information. It will suffice to put your remote at a location where it can communicate with your air conditioner directly. In the sense mode, the remote control and the air conditioner communicate every 4 minutes. If the communication is interrupted for 10 minutes, the environment sensor on the air conditioner enables. When the communication is provided again, the sensor on the remote control will be enabled and the function will continue to operate until you cancel it.

Indoor Unit Exchanger Dryer and Clean Up Function (*)

OTO TEMİZ button allows your air conditioner to clean up the exchanger and dry the water accumulated on the indoor unit exchanger due to condensation of air when you turn off your air conditioner in cooling and dehumidification modes. This function starts as you turn off your air conditioner and the fan works for 15 minutes. The drying function does not run in the heating mode.

WARNING: When the function is active, do not try to turn the fin on the air outlet, it will be turned off automatically.

Ionizer Function (*)

You may enable the ionizer function by the button. Researches show that the air with more anion make us feel more lively and energetic. İonizer produces anions and diffuse them to the environment air for this purpose. To disable the function, press the button again.
The negative ion emission may cause dust like particles to accumulate on the indoor unit of your air conditioner. Hence, make sure to clean your air conditioner periodically (once a week) with a wet and soapy wipe.

WARNING: During the deleting operation, certainly cut the power from the fuse.

Remote Led / Signal Sound Cancellation Function

The first function of the 2 sn button on the bottom of your remote control is to turn on and off the light on the remote control display. Every time you press the button shortly, the light on the remote control display either turns on or off.

The second function of the button is to cancel the signal (beeping) sound coming from the indoor unit when pressed for 2 seconds. In order to make the signal sound heard again, press the button again for 2 seconds.

WARNING: Keeping the remote control light off, makes the life cycle of the battery longer.

Reset Function

By pressing the Reset button, you can cancel all personal settings in your remote and operate your air conditioner with default settings.

Favourite Function

The FAVORİ function ensures that the settings of the desired operating conditions remain stored in the remote control memory. The favourite function can store the desired temperature, fan speed and horizontal fin position separately for both cooling and heating modes. After determining the settings that you prefer, you may save them pressing the FAVORİ button for 3 seconds. When the favourite function is enabled, the ★ icon is displayed on the remote control display.

- When you restart your air conditioner by the remote control, the saved settings will be in use and you won't need to adjust them again.
- After making the favourite adjustment you may change the temperature, fan speed or horizontal fin position if you want. Any time you want, you may put your saved favourite settings into use again by the FAVORİ button.
- The favourite usage is same for cooling and heating modes.

The operating of the favourite function with other modes and functions;

- When the favourite function is enabled, if either ECO or Sleep function is operated, the Favourite Function becomes disabled.
- When ECO and Sleep functions are enabled, you may save the setting that you prefer, as your favourite settings.
- When the Sleep function is active, the favourite function does not operate. The new settings can be saved by only pressing the FAVORİ button for a long time.
- When the Sleep and Favourite function operate together, the Favourite Function becomes cancelled by the cancellation of the Sleep mode.
- When the closing function is terminated or cancelled, the Favourite Function will be terminated too.
- In case that the customer changes the time in the Closing function; the Favourite function remains in use.

Practical and Useful Information

Do not cool down your room excessively. This not only expend excess energy, but it is also bad for your health.

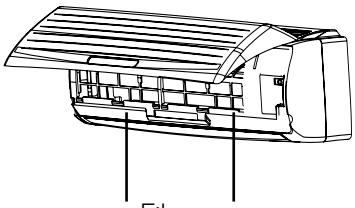
- Avoid direct sunlight inside while your air conditioner is running. If there is a sunblind or curtain, keep them shut.
- Adjusting the direction of vertical and horizontal fins, ensure temperature and air flow to distribute evenly in the room.
- At large places usually with open doors such as cafeterias, patisseries, restaurants etc., using air curtains will reduce energy consumption, allow you to use your air conditioner more efficiently and to achieve the desired temperature much more rapidly.
- Clean the filters regularly. Dirty filters will gradually decrease the efficiency of heating, cooling, air flow and dehumidification functions and increase energy consumption.
- In order to maintain cool air in the room, keep the doors and windows shut as long as possible. If you will not use your air conditioner for a long time, run it in the fan mode for 2-3 hours. This will remove the moisture in your air conditioner. Then shut down your air conditioner from the fuse and remove the batteries in the remote control.
- The outdoor unit of the air conditioner absorbs and conducts the exterior heat inside. If the exterior temperature falls, your air conditioner will start heating less. In that case, if the temperature achieved by your air conditioner is not enough, use a supplementary heater.
- Your air conditioner circulates hot air to heat up your room. Therefore, it takes time for your air conditioner to heat up the entire room. If possible, program the air conditioner to start running shortly before you use the room.
- While the air conditioner operates in the heating mode, if the outdoor environment temperature is low and the humidity rate is high, it may lead to an icing on the outdoor unit, resulting from the decrease in the heating efficiency. In that case, the air conditioner will stop operating and the defrosting operation will be enabled automatically. This is not a fault. Defrosting operation will be completed in 5 to 9 minutes depending on the outdoor environment and outdoor unit exchanger temperatures and then, your air conditioner will restart automatically to operate in the heating mode. The defrosting operation continues even if the air conditioner is turned off, and the air conditioner turns off after the operation is done. While the defrosting operation continues, it is shown by the DF icon on the display of your air conditioner.
- If you selected the heating mode when both interior and exterior temperatures are high, outdoor unit may stop working occasionally. This is completely normal. Do nothing and wait for your air conditioner to start running again.
- If excess voltage drops or increases occur while your air conditioner is

running, the air conditioner will stop automatically and start running again as the voltage returns to normal level.
- Your air conditioner always starts to operate with the latest mode and temperature settings.
- If you will not use for a long time, you may cover the outdoor unit of your air conditioner to protect from weather conditions.

Cleaning and Maintenance

CAUTION: Depending on frequency of use and ambient conditions, full maintenance of indoor and outdoor units must be done by authorised services at least once a year.

WARNING: Make sure to turn off your air conditioner and cut the incoming power from the fuse before starting to clean.



Filters

- In order to have your air conditioner operate efficiently and cleanly, you should clean the filters at certain intervals depending on the frequency of use and ambient conditions. Dust filters should be cleaned roughly once a week, and other filters should be changed every 3 months.
- Filters may vary according to the model.
- Filters are available at authorised services as spare parts.
- Full maintenance and filters are not free of charge and the price should be paid by the user.

WARNING: You may clean the filters of your air conditioner without calling the authorised service.

- In order to clean the dust filters, remove the front cover by holding on its sides.
- Lift the dust filters up from their bottom edges and pull downwards.
- Vacuum the dust filters with a vacuum cleaner. If the filters are too dirty, wash them with warm water and mild detergent. Make sure to dry the filters before re-install them. Do not dry with fire or under direct sunlight. Do not wash the filters with water hotter than 40°C.
- After you clean up the filters, place the upper part of the filter and press from the bottom part until it snaps into its slot.
- Wipe the front panel with a damp cloth. Do not use inflammable chemicals such as gasoline, thinner etc. absolutely.
- Annual maintenance to be done by the authorised service will allow you to use your air conditioner for a long time and more efficiently.

CAUTION: Do not wash the filters except the dust filter.
CAUTION: Do operate your air conditioner without filter. If your filters are unu-

sable, buy new ones from the authorised service.

Suggestions for Operation

- High interior and exterior temperature; if both indoor and outdoor temperatures are high and your air conditioner is running at the heating mode, outdoor unit fan and the compressor may stop for a while. This is completely normal. Wait until your air conditioner starts running again.
- If excess voltage drops or increases occur while your air conditioner is running, the appliance will stop (you may see the voltage protection icon on the display by the code of HL) and start running again as the voltage returns to normal level.
- When the power is back after a power failure, your air conditioner will automatically start running again.

Troubleshooting

When you notice an abnormal situation in your air conditioner, you may attempt to troubleshoot according to the following instructions. If your air conditioner still do not work properly, contact with the Call Centre or the nearest Authorised Service. You may access the authorised services list and contact information from the web site.

PROBLEM	REASON	SOLUTION
The air conditioner is not running.	Power cut.	Wait for the power to be back.
	On/off button is not turned on.	Turn on the air conditioner.
	The fuse is broken.	Have the fuse changed.
	Batteries of the remote have gone down.	Change the batteries.
	The time set to start running has not been reached.	Wait or cancel the setting.
	The remote control is not detecting.	Change the batteries.
	Light source is too close to the air conditioner.	Some light sources that are close to the air conditioner, may prevent its functioning creating a magnetic influence. Retry to use the remote control after disabling the light source. If the problem is solved, it would be useful to change the light source.
The air conditioner is blowing air, but cooling and heating performance is bad.	There is a mistake in temperature setting.	Set appropriate temperature. See application methods.
	Air filter is clogged with dust.	Clean up dust filters.
	Air inlet or outlet of the air conditioner is blocked.	Clean the materials that cause blocking.
	Door and windows are open.	Close the windows and the doors.

PROBLEM	REASON	SOLUTION
Air flow does not start immediately during heating.	The necessary temperature for heating has not been reached.	If air flow starts before the temperature rises, an undesired cooling effect will occur. In order to prevent this, air flow will start after necessary temperature is reached. This is not due to a malfunction of the air conditioner and it is not a failure.
The air conditioner is blowing air, but it does not cool.	Air inlet or outlet of the air conditioner is blocked.	Clean the materials that cause blocking and restart the air conditioner.
	Compressor protection (3 min).	Wait.
	There is a mistake in temperature setting.	Set appropriate temperature.
There is clicking sound coming from the air conditioner.	Temperature change.	Changes in temperature cause expansion and contraction of plastic materials. This is not due to a malfunction of the air conditioner and it is not a failure.

Error and Protection Messages

In order to show the failures of your air conditioner or to protect it from the potential failures, customised error codes are shown on the front display of the air conditioner. Error codes are displayed, first blinking several times in a particular way for every code and then, remain stable for 35-40 seconds. Error codes continue to be displayed until the problem is fixed. Apply the following operations according to the displayed message.

Error Messages

Error Messages are displayed, respectively by first the ER icon and then the special code (01, 02, ..., 20, etc.) of the failure. In that case, do nothing to the air conditioner and contact with the Authorised Service. ER11 and ER13 are not error messages. If you see these messages, apply the steps under the following protection messages section.

Protection Messages

dF	The icing on the outdoor unit is being defrosted. After the defrosting operation is accomplished, your air conditioner will continue to operate in the heating mode, the product should not be turned off while this mode is enabled.
AE	Make the arc control for your electrical wiring, if the problem is not fixed call for the service. If the problem comes out very frequently, contact with the authorised service.
Sr	In case of certain failures, in order to not to spoil you comfort, your air conditioner continues to operate despite the failure. In that case, you don't need to turn your air conditioner off. It is needed to contact with the authorized service immediately
HL	There is a fluctuation in the electrical voltage, wait for its recovery.
ER11 & ER13	The codes of ER-13 and ER-11, and the messages displayed on the in-door unit display, are protection messages in the aim of preventing the product from some harmful consequences resulting from an excessive current coming from the compressor. The product turns off right after it enters into these protections. In the case that it is re-operated by the remote control, cooling and heating functions restart.

Product Information Sheet BIO PLUS INVERTER 9 A+

Function			
Cooling		Y	
Heating		Y	
Heating season			
Average		Y	
Hotter		N	
Colder		N	
Capacity control			
Constant		N	
Incremental		N	
Variable		Y	
			unit
Cooling Mode			
Design Load (Pdesignc)		2,6	kW
SEER (Seasonal energy efficiency rate)		5,8	-
Energy Efficiency Class		A+	-
Yearly Power Consumption		157	kWh/year
Heating mode: Average climate (Tdesignh = -10°C)			
Design Load (Pdesignh)		2	kW
SCOP (Seasonal energy efficiency rate)		3,8	-
Energy Efficiency Class		A	-
Additional heating power (at -10°C outdoor temperature)		0	kW
Declared capacity (at -10°C outdoor temperature)		2	
Yearly Power Consumption		737	kWh/year
Other details			
Noise level (indoor unit/outdoor unit)	L_{WA}	53/60	dB(A)
Refrigerant		R410A	-
Global warming potential	GWP	2088	kgCO_2 eq.
Compliant standard		EN14511:2011	
Calculation methods - Measurement standards		EN 14825	

* Leakage of refrigerant causes climate change. When refrigerants with low GWP are released to the atmosphere, they lead to lower level of global warming while the leakage of refrigerants with high GWP are released to the atmosphere, they lead to higher global warming. This appliance uses R410A refrigerant with a global warming potential (GWP) of 2088. This indicates that 1 kg of R410A gas released to the atmosphere has 2088 times more contribution to global warming in a period of 100 years with respect to 1 kg of carbon dioxide. Do not interfere to the cooling circuit of your device by no means and call our authorised services.

* Yearly power consumption is specified according to standard test conditions. Actual consumption depends on the usage and the place of use of the appliance.

Product Information Sheet BIO PLUS INVERTER 12 A+

Function			
Cooling		Y	
Heating		Y	
Heating season			
Average		Y	
Hotter		N	
Colder		N	
Capacity control			
Constant		N	
Incremental		N	
Variable		Y	
			unit
Cooling Mode			
Design Load (Pdesignc)		3,5	kW
SEER (Seasonal energy efficiency rate)		5,8	-
Energy Efficiency Class		A+	-
Yearly Power Consumption		211	kWh/year
Heating mode: Average climate (Tdesignh = -10°C)			
Design Load (Pdesignh)		3	kW
SCOP (Seasonal energy efficiency rate)		3,8	-
Energy Efficiency Class		A	-
Additional heating power (at -10°C outdoor temperature)		0,4	kW
Declared capacity (at -10°C outdoor temperature)		2,6	
Yearly Power Consumption		1105	kWh/year
Other details			
Noise level (indoor unit/outdoor unit)	L_{WA}	53/61	dB(A)
Refrigerant		R410A	-
Global warming potential	GWP	2088	kgCO_2 eq.
Compliant standard		EN14511:2011	
Calculation methods - Measurement standards		EN 14825	

* Leakage of refrigerant causes climate change. When refrigerants with low GWP are released to the atmosphere, they lead to lower level of global warming while the leakage of refrigerants with high GWP are released to the atmosphere, they lead to higher global warming. This appliance uses R410A refrigerant with a global warming potential (GWP) of 2088. This indicates that 1 kg of R410A gas released to the atmosphere has 2088 times more contribution to global warming in a period of 100 years with respect to 1 kg of carbon dioxide. Do not interfere to the cooling circuit of your device by no means and call our authorised services.

* Yearly power consumption is specified according to standard test conditions. Actual consumption depends on the usage and the place of use of the appliance.

Product Information Sheet BIO PLUS INVERTER 18 A+

Function			
Cooling		Y	
Heating		Y	
Heating season			
Average		Y	
Hotter		N	
Colder		N	
Capacity control			
Constant		N	
Incremental		N	
Variable		Y	
			unit
Cooling Mode			
Design Load (Pdesignc)		5	kW
SEER (Seasonal energy efficiency rate)		5,8	-
Energy Efficiency Class		A+	-
Yearly Power Consumption		302	kWh/year
Heating mode: Average climate (Tdesignh = -10°C)			
Design Load (Pdesignh)		4	kW
SCOP (Seasonal energy efficiency rate)		3,8	-
Energy Efficiency Class		A	-
Additional heating power (at -10°C outdoor temperature)		0,2	kW
Declared capacity (at -10°C outdoor temperature)		3,8	
Yearly Power Consumption		1474	kWh/year
Other details			
Noise level (indoor unit/outdoor unit)	L_{WA}	55/62	dB(A)
Refrigerant		R410A	-
Global warming potential	GWP	2088	kgCO_2 eq.
Compliant standard		EN14511:2011	
Calculation methods - Measurement standards		EN 14825	

* Leakage of refrigerant causes climate change. When refrigerants with low GWP are released to the atmosphere, they lead to lower level of global warming while the leakage of refrigerants with high GWP are released to the atmosphere, they lead to higher global warming. This appliance uses R410A refrigerant with a global warming potential (GWP) of 2088. This indicates that 1 kg of R410A gas released to the atmosphere has 2088 times more contribution to global warming in a period of 100 years with respect to 1 kg of carbon dioxide. Do not interfere to the cooling circuit of your device by no means and call our authorised services.

* Yearly power consumption is specified according to standard test conditions. Actual consumption depends on the usage and the place of use of the appliance.

Product Information Sheet BIO PLUS INVERTER 24 A+

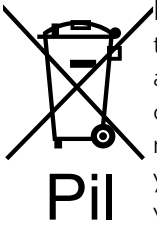
Function			
Cooling		Y	
Heating		Y	
Heating season			
Average		Y	
Hotter		N	
Colder		N	
Capacity control			
Constant		N	
Incremental		N	
Variable		Y	
			unit
Cooling Mode			
Design Load (Pdesignc)		6,5	kW
SEER (Seasonal energy efficiency rate)		5,8	-
Energy Efficiency Class		A+	-
Yearly Power Consumption		392	kWh/year
Heating mode: Average climate (Tdesignh = -10°C)			
Design Load (Pdesignh)		4,5	kW
SCOP (Seasonal energy efficiency rate)		3,8	-
Energy Efficiency Class		A	-
Additional heating power (at -10°C outdoor temperature)		0,3	kW
Declared capacity (at -10°C outdoor temperature)		4,2	
Yearly Power Consumption		1658	kWh/year
Other details			
Noise level (indoor unit/outdoor unit)	L_{WA}	57/65	dB(A)
Refrigerant		R410A	-
Global warming potential	GWP	2088	kgCO_2 eq.
Compliant standard		EN14511:2011	
Calculation methods - Measurement standards		EN 14825	

* Leakage of refrigerant causes climate change. When refrigerants with low GWP are released to the atmosphere, they lead to lower level of global warming while the leakage of refrigerants with high GWP are released to the atmosphere, they lead to higher global warming. This appliance uses R410A refrigerant with a global warming potential (GWP) of 2088. This indicates that 1 kg of R410A gas released to the atmosphere has 2088 times more contribution to global warming in a period of 100 years with respect to 1 kg of carbon dioxide. Do not interfere to the cooling circuit of your device by no means and call our authorised services.

* Yearly power consumption is specified according to standard test conditions. Actual consumption depends on the usage and the place of use of the appliance.

Disposal of the Appliance in an Environment Friendly Manner

This marking either on the product or the information label indicates that this air conditioner should not be disposed with other household wastes at the end of its life. In order to prevent the possible damages of the unsupervised waste disposal on the environment and human health, please separate this air conditioner from other wastes and ensure its recycling duly so as to support sustainable reuse of material resources. For information about where and how this air conditioner can be recycled in an environmentally friendly manner, please contact the dealer you purchased the product from and relevant local organizations. This product should not be mixed with other commercial wastes for recycling



If you want to dispose of the battery, please use appropriate waste collection systems or facilities for recycling. By this means, you will contribute to prevent potential harms to the environment and human health.

CAUTION: In case the battery contains lead, there is a "Pb" (plumb) mark under the "wheeled container figure" for batteries.

Package Information

Do not disassemble the air conditioner by yourself. Disassembling the system and operations on the refrigerant, oil or other components shall be performed by the Authorised Service in accordance with the local legislation.

The package of the appliance is made of recyclable materials. Do not dispose of the packaging waste with domestic or other waste; dispose of this waste at places designated for packaging waste disposal by the local authority.

Recommendations on Energy Saving

In order to use your air conditioner comfortably and more efficiently, you may do the following:

- Make sure that the capacity of your air conditioner is appropriate for the space where you want to use it. An air conditioner with cooling capacity smaller than what is required by the space will have to activate the compressor as it cannot cool efficiently, which will lead to increased energy consumption.
- On the other hand, an air conditioner with cooling capacity larger than the requirement of the space will cool the environment very rapidly and turns the compressor on and off frequently. In that case, energy consumption of your air conditioner will increase. The place in which your air conditioner is installed will cool down excessively and leads to discomfort. Furthermore, since higher capacity

air conditioners have a higher noise level, the loud noise in the small space will also lead to discomfort.

- Heat insulation of the place in which you use the air conditioner will increase your comfort and reduce energy consumption. Therefore, it is important to isolate the heat exchange points of the room well.
- While your air conditioner is running on cooling mode, having the blinds, curtains or shutters closed during sunny hours will reduce the energy consumption of your air conditioner.
- Provided that they do not prevent air flow on the outdoor unit, using shades, tarpaulin etc. will prevent your energy consumption to increase.
- It is important to conform with the location rules of indoor and outdoor units during the installation of your air conditioner. Especially, there should not be any obstacle in front of air inlets and outlets of indoor and outdoor units to prevent air flow.
- Setting your air conditioner to lower temperatures than you require in the cooling mode will increase energy consumption and reduce comfort. You can use your air conditioner at higher temperature settings rather than using it at the lowest temperature setting all the time.
- Clean up the dust filters of your air conditioner at regular intervals. Since blockage of filters will prevent air flow, it will withhold you have the performance you expect from the air conditioner. This will increase energy consumption as it will overburden your air conditioner.
- You may reduce energy consumption by using the programming features of your air conditioner. You may ensure your air conditioner to turn off while you are not using the room and turn on while you are using the room.
- Cleaning of heat exchange elements of the indoor and outdoor units is crucial. When heat exchange elements are dirty or clogged, your air conditioner will have to operate more to ensure cooling/heating, which will lead to greater energy consumption in turn. Therefore, we recommend you to have your air conditioner serviced at least once a year.
- Annual maintenance is not under warranty coverage.We recommend you to adjust air routing fins in a way that the air flow does not disturb anyone in the room.
- Operation settings of your air condition should not be altered unless it is indeed necessary.
- While using your air conditioner, it is much more appropriate for energy saving to set it between 24-28°C for cooling and 25-28°C for heating. They should not be altered unless it is indeed necessary.

Customer's Elective Rights

The customer, in case the product is found defective as per the terms of Protection of the Consumers Act, No 6502, even though the defect occurs in a later time, have the following rights for two years as from the date of delivery to the customer;

- Return the sold product and cancel the agreement,
- Keep the sold product and request a discount on the sales price in proportion to the defect, (one of these elective rights can be used against the Seller)
- Unless an excessive cost is required, request a free-of-charge repair of the product, with all costs belong to the Seller,
- If it is possible, to replace the product with an equivalent one free-of-defect, (one of these elective rights can be used against the Seller, manufacturer or importer).

If the free-of-charge repair or replacement with an equivalent product free-of-defects will cause a disproportional drawback for the seller, then the consumer can use his/her right to cancel the agreement and request a discount on sales price in proportion to the defect.

The customer can file his complaints and rejections at Consumer Courts and Consumer Arbitration Committees.

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Your appliance's service life, as determined and declared by T.R. Ministry of Customs and Trade General Directorate of Consumer Protection and Market Surveillance, (the duration for providing the spare parts required for functioning of the appliance) is 10 years.

We continue our contribution to nature by using recyclable paper.

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