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For information on Samsung's environmental commitments and product specific regulatory obligations e.g. REACH visit:  
[samsung.com/uk/aboutsamsung/samsungelectronics/corporatecitizenship/data\\_corner.html](http://samsung.com/uk/aboutsamsung/samsungelectronics/corporatecitizenship/data_corner.html)

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## Safety precautions

Carefully follow the precautions listed below because they are essential to guarantee the safety of the equipment.



- Always disconnect the air conditioner from the power supply before servicing it or accessing its internal components.
- Verify that installation and testing operations are performed by qualified personnel.
- Verify that the air conditioner is not installed in an easily accessible area.

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### General information

- ▶ Carefully read the content of this manual before installing the air conditioner and store the manual in a safe place in order to be able to use it as reference after installation.
- ▶ For maximum safety, installers should always carefully read the following warnings.
- ▶ Store the operation and installation manual in a safe location and remember to hand it over to the new owner if the air conditioner is sold or transferred.
- ▶ This manual explains how to install an indoor unit with a split system with two SAMSUNG units. The use of other types of units with different control systems may damage the units and invalidate the warranty. The manufacturer shall not be responsible for damages arising from the use of non compliant units.
- ▶ The manufacturer shall not be responsible for damage originating from unauthorized changes or the improper connection of electric and requirements set forth in the "Operating limits" table, included in the manual, shall immediately invalidate the warranty.
- ▶ The air conditioner should be used only for the applications for which it has been designed: the indoor unit is not suitable to be

installed in areas used for laundry.

- ▶ Do not use the units if damaged. If problems occur, switch the unit off and disconnect it from the power supply.
- ▶ In order to prevent electric shocks, fires or injuries, always stop the unit, disable the protection switch and contact SAMSUNG's technical support if the unit produces smoke, if the power cable is hot or damaged or if the unit is very noisy.
- ▶ Always remember to inspect the unit, electric connections, refrigerant tubes and protections regularly. These operations should be performed by qualified personnel only.
- ▶ The unit contains moving parts, which should always be kept out of the reach of children.
- ▶ Do not attempt to repair, move, alter or reinstall the unit. If performed by unauthorized personnel, these operations may cause electric shocks or fires.
- ▶ Do not place containers with liquids or other objects on the unit.
- ▶ All the materials used for the manufacture and packaging of the air conditioner are recyclable.
- ▶ The packing material and exhaust batteries of the remote controller(optional) must be disposed of in accordance with current laws.
- ▶ The air conditioner contains a refrigerant that has to be disposed of as special waste. At the end of its life cycle, the air conditioner must be disposed of in authorized centers or returned to the retailer so that it can be disposed of correctly and safely.
- ▶ This appliance is not intended for use by persons(including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety ; Young children should be supervised to ensure that they do not play with the appliance.
- ▶ **For use in Europe :** This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

### **Installing the unit**

**IMPORTANT:** When installing the unit, always remember to connect first the refrigerant tubes, then the electrical lines.

Always disassemble the electric lines before the refrigerant tubes.

- ▶ Upon receipt, inspect the product to verify that it has not been damaged during transport. If the product appears damaged, DO NOT INSTALL it and immediately report the damage to the carrier or retailer (if the installer or the authorized technician has collected the material from the retailer.)
- ▶ After completing the installation, always carry out a functional test and provide the instructions on how to operate the air conditioner to the user.
- ▶ Do not use the air conditioner in environments with hazardous substances or close to equipment that release free flames to avoid the occurrence of fires, explosions or injuries.
- ▶ Our units should be installed in compliance with the spaces shown in the installation manual, to ensure accessibility from both sides and allow repairs or maintenance operations to be carried out. The unit's components should be accessible and easy to disassemble without endangering people and objects.  
For this reason, when provisions of the installation manual are not complied with, the cost required to access and repair the units (in SAFETY CONDITIONS, as set out in prevailing regulations) with harnesses, ladders, scaffolding or any other elevation system will NOT be considered part of the warranty and will be charged to the end customer.

### **Power supply line, fuse or circuit breaker**

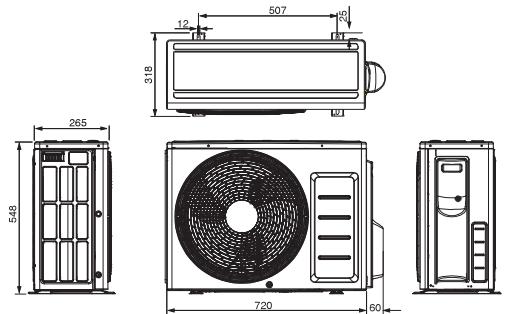
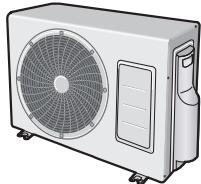
- ▶ Always make sure that the power supply is compliant with current safety standards. Always install the air conditioner in compliance with current local safety standards.
- ▶ Always verify that a suitable grounding connection is available.
- ▶ Verify that the voltage and frequency of the power supply comply with the specifications and that the installed power is sufficient to ensure the operation of any other domestic appliance connected to the same electric lines.
- ▶ Always verify that the cut-off and protection switches are suitably dimensioned.
- ▶ Verify that the air conditioner is connected to the power supply in accordance with the instructions provided in the wiring diagram included in the manual.
- ▶ Always verify that electric connections (cable entry, section of leads, protections...) are compliant with the electric specifications and with the instructions provided in the wiring scheme. Always verify that all connections comply with the standards applicable to the installation of air conditioners.
- ▶ Devices disconnected from the power supply should be completely disconnected in the condition of overvoltage category.

## Preparation for outdoor unit installation

The air conditioner uses R-410A refrigerant.

**A Type:** AC035HCADKH / AC026HCADKH

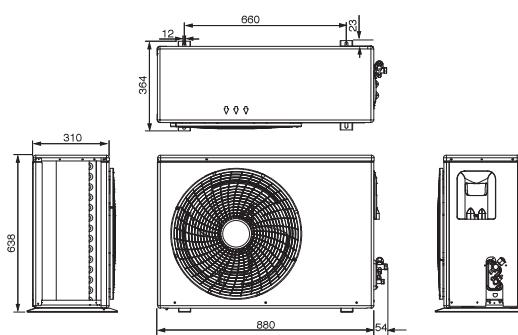
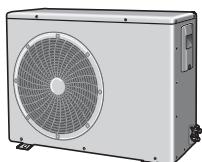
■ Heat pump



(Unit : mm)

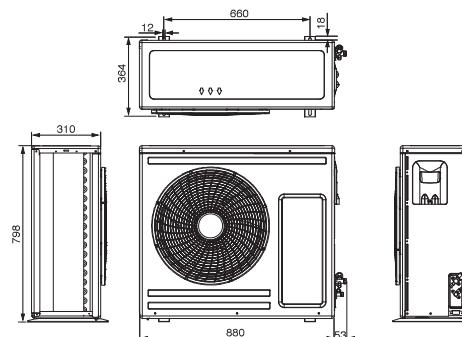
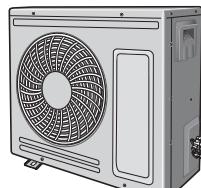
**B Type:** AC052HCADKH

■ Heat pump



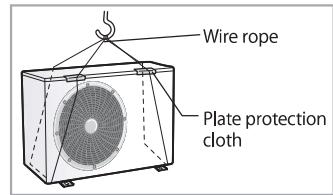
**C Type:** AC060HCADKH / AC071HCADKH / AC052HCAPKH

■ Heat pump



### Moving the Outdoor Unit by Wire Rope

Fasten the outdoor unit by two 8m or longer wire ropes as shown at the figure. To prevent from damage or scratches, insert a piece of cloth between the outdoor unit and rope, then move the unit.

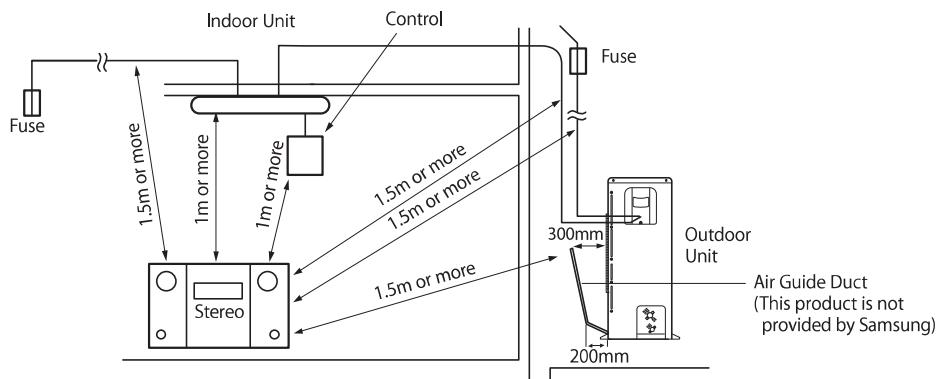


\*The appearance of the unit may be different from the picture depending on the model.

## Deciding on where to install the outdoor unit

## Outdoor Unit

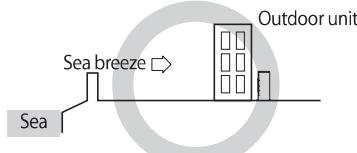
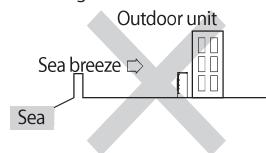
- ◆ The outdoor unit must not be placed on its side or upside down, as the compressor lubrication oil will run into the cooling circuit and seriously damage the unit.
  - ◆ Choose a location that is dry and sunny, but not exposed to direct sunlight or strong winds.
  - ◆ Do not block any passageways or thoroughfares.
  - ◆ Choose a location where the noise of the air conditioner when running and the discharged air do not disturb any neighbours.
  - ◆ Choose a position that enables the pipes and cables to be easily connected to the indoor unit.
  - ◆ Install the outdoor unit on a flat, stable surface that can support its weight and does not generate any unnecessary noise and vibration.
  - ◆ Position the outdoor unit so that the air flow is directed towards the open area.
  - ◆ Maintain sufficient clearance around the outdoor unit, especially from a radio, computer, stereo system, etc.



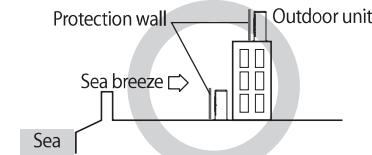
- ◆ If the outdoor unit is installed at a height, ensure that its base is firmly fixed in position.
  - ◆ Make sure that the water dripping from the drain hose runs away correctly and safely.
  - ◆ When you install the outdoor unit at wayside, you should install it above 2m height or make sure that the heat from the outdoor unit shouldn't be in direct contact with passersby. (The ground for application :The revision of regulation for facility in building by the law of the Ministry of Construction and Transportation.

◆ When installing the outdoor unit near seashore, make sure it is not directly exposed to sea breeze. If you can not find a adequate place without direct see breeze, protection wall should be constructed.

◆ Install the outdoor unit in a place (such as near buildings etc.) where it can be prevented from sea breeze which can damage the outdoor unit.



◆ If you cannot avoid installing the outdoor unit by the seashore, construct a protection wall around to block the sea breeze.



- Protection wall should be constructed with a solid material such as concrete to block the sea breeze and the height and the width of the wall should be 1.5 times larger than the size of the outdoor unit. Also, secure over 700mm between the protection wall and the outdoor unit for exhausted air to ventilate.

◆ Install the outdoor unit in a place where water can drain smoothly.

\* If you cannot find a place satisfying above conditions, please contact manufacturer. Make sure to clean the sea water and the dust on the outdoor unit heat exchanger and spread corrosion inhibitor on heat exchanger. (At least one time per one year.)

\* Depending on the condition of power supply, unstable power or voltage may cause malfunction of the parts or control system.(At the ship or places using power supply from electric generator, etc).

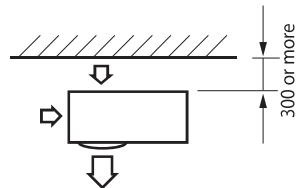


- CAUTION**
- You have just purchased a system air conditioner and it has been installed by your installation specialist.
  - This device must be installed according to the national electrical rules.
  - With an outdoor unit having net weight upper than 60kg, we suggest do not install it suspended on wall, but considering floor standing one.
  - When the outdoor unit is installed near seashore or in a place where sulfuric acid gas may leak, corrosion may occur in outdoor unit and cause product malfunction.

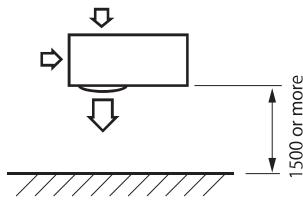
## Deciding on where to install the outdoor unit

### Space Requirements for Outdoor Unit

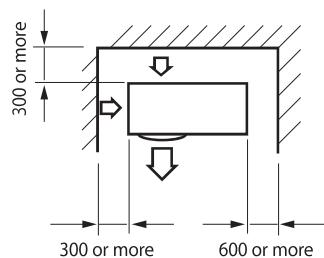
#### When installing 1 outdoor unit



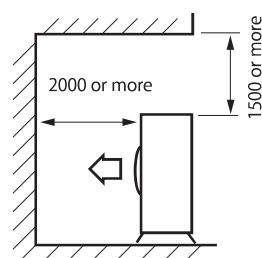
\* When the air outlet is opposite the wall



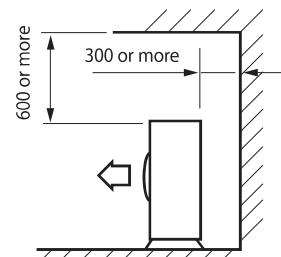
\* When the air outlet is towards the wall



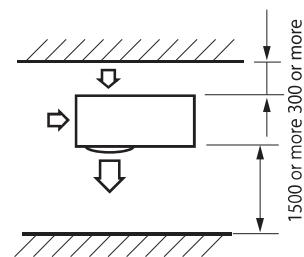
\* When 3 sides of the outdoor unit are blocked by the wall



\* The upper part of the outdoor unit and the air outlet is towards the wall

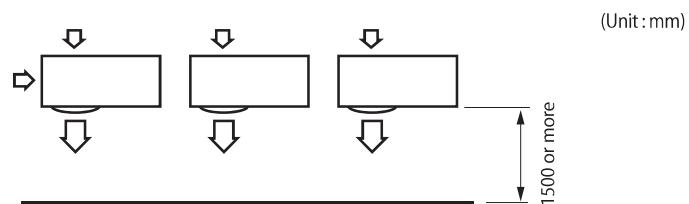


\* The upper part of the outdoor unit and the air outlet is opposite the wall

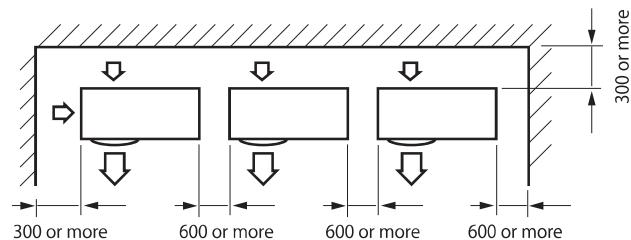


\* When front and rear side of the outdoor unit is towards the wall

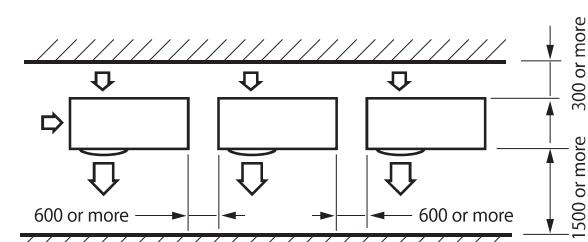
### When installing more than 1 outdoor unit



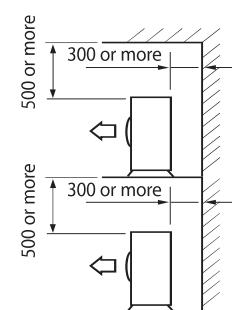
\* When the air outlet is towards the wall



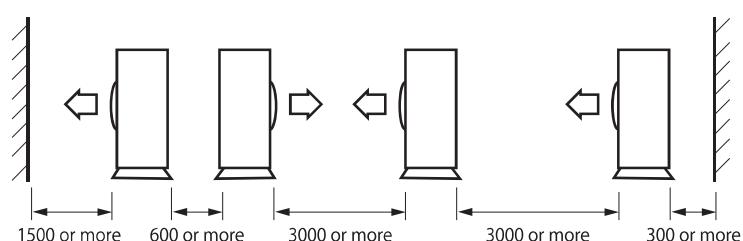
\* When 3 sides of the outdoor unit are blocked by the wall



\* When front and rear side of the outdoor unit is towards the wall



\* The upper part of the outdoor unit and the air outlet is towards the wall



\* When front and rear side of the outdoor unit is towards the wall



- The units must be installed according to distances declared, in order to permit accessibility from each side, either to guarantee correct operation of maintenance or repairing products.
- The unit's parts must be reachable and removable completely under safety condition (for people or things).

## Outdoor unit installation

The outdoor unit must be installed on a rigid and stable base to avoid any increase in the noise level and vibration, particularly if the outdoor unit is to be installed in a location exposed to strong winds or at a height, the unit must be fixed to an appropriate support(wall or ground).

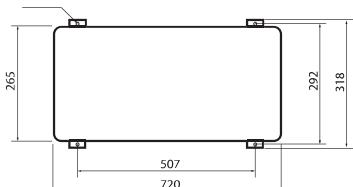
Fix the outdoor unit with anchor bolts.



- The anchor bolt must be 20mm or higher from the base surface.

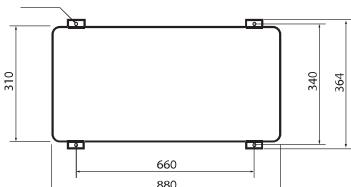
(Unit : mm)

Anchor bolt hole



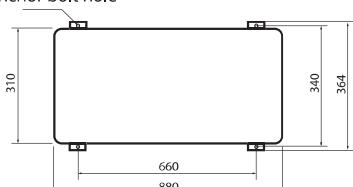
A Type : AC035HCADKH / AC026HCADKH

Anchor bolt hole



B Type : AC052HCADKH

Anchor bolt hole

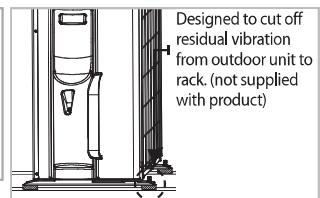
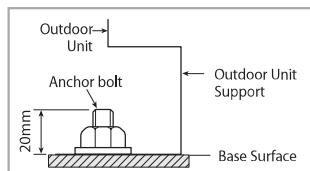
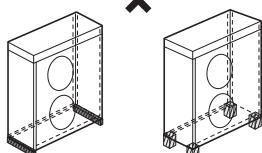


B Type : AC060HCADKH / AC071HCADKH / AC052HCAPKH



- Make a drain outlet around the base for outdoor unit drainage.
- If the outdoor unit is installed on the roof, you have to check the ceiling strength and waterproof the unit.

### Outdoor Unit Support



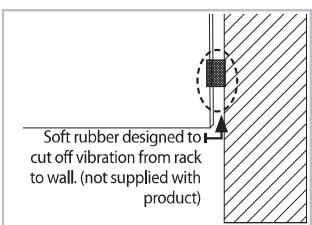
#### OUTDOOR UNIT INSTALLED ON THE WALL BY RACK

- Ensure the wall will be able to suspend the weight of rack and outdoor unit ;
- Install the rack close to the column as much as possible ;
- Install proper grommet in order to reduce noise and residual vibration transferred by outdoor unit towards wall.



When installing air guide duct

- Check and make sure that screws do not damage the copper pipe.
- Secure air guide duct on guard fan.



## Connecting the cable

Two electronic cables must be connected to the outdoor unit.

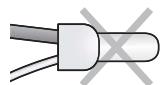
- ◆ The connection cord between indoor unit and outdoor unit.
- ◆ The power cable between outdoor unit and auxiliary circuit breaker.
- ◆ Specially for Russian and European market, before installation, the supply authority should be consulted to determine the supply system impedance to ensure compliance.



- During the unit installation make first refrigerant connections and then electrical connections. If unit is uninstalled first disconnect electrical cables, then refrigerant connections.
- Connect the air conditioner to grounding system before performing the electrical connection.
- When installing the unit, you shouldn't use inter connection wire.

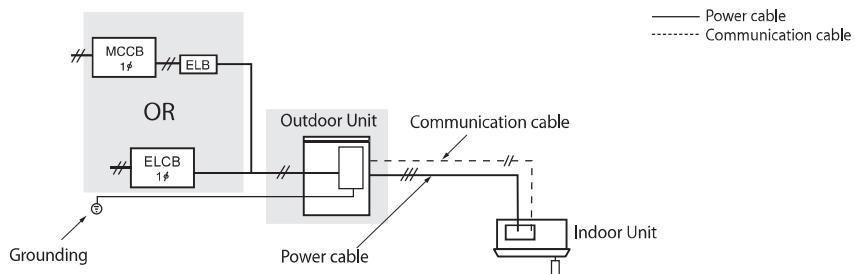


In case of extending the electric wire, please DO NOT use a round-shaped pressing socket.  
- Incomplete wire connections can cause electric shock or a fire.



### Example of Air Conditioner System

#### When using ELCB for 1 phase



### Power Cable Specifications

- ◆ The power cable is not supplied with air conditioner.
  - Select the power supply cable in accordance with relevant local and national regulations.
  - Wire size must comply with the applicable local and national code.
  - Specifications for local wiring power cord and branch wiring are in compliance with local cord.

#### Single Phase

Type of outdoor unit	Model		Outdoor Units				Input Current [A]			Power Supply	
	Outdoor Unit	Indoor Unit	Rated		Voltage Range		Outdoor (Down_Amp)	Indoor	Total	MCA	MFA
			Hz	Volts	Min.	Max.					
A	AC026HCADKH	AC026HBLDKH	50	220-240	198	264	8.0	8.0	2.0	10.0	10.0
	AC035HCADKH	AC035HBLDKH	50	220-240	198	264	8.0	8.0	2.0	10.0	11.0
	AC035HCADKH	AC035HBMDKH	50	220-240	198	264	8.0	8.0	2.7	10.7	11.8
B	AC052HCADKH	AC052HBLDKH	50	220-240	198	264	20.0	20.0	2.0	22.0	22.0
	AC052HCADKH	AC052HBMDKH	50	220-240	198	264	20.0	20.0	2.7	22.7	22.7
C	AC060HCADKH	AC060HBMDKH	50	220-240	198	264	20.0	20.0	2.7	22.7	25.0
	AC071HCADKH	AC071HBLDKH	50	220-240	198	264	20.0	20.0	2.0	22.0	25.0
	AC071HCADKH	AC071HBMDKH	50	220-240	198	264	20.0	20.0	2.7	22.7	25.0
	AC052HCAPKH	AC052HBMPKH	50	220-240	198	264	20.0	20.0	2.7	22.7	25.0

## Connecting the cable



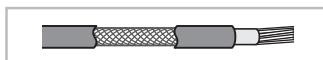
1. Voltage range  
- Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits
  2. Maximum allowable voltage variation between phases is 2%.
  3. Wire size & type must comply with the applicable local and national code.  
- Wire size : Based on the value of MCA.  
- Wire type : 60245 IEC57(IEC) or H05RN-F(CENELEC) grade or more.
  4. MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).
  5. MCA represents maximum input current.  
MFA represents capacity which may accept MCA
- ‡ Abbreviations
- MCA : Min. Circuit Amps. (A)
  - MFA : Max. Fuse Amps. (A)
6. This equipment complies with IEC 61000-3-12 provided that the short-circuit power Ssc is greater than or equal to Ssc(\*2) at the interface point between the user's supply and the public system. It is the responsibility of the installer or user of the equipment to ensure, by consultation with the distribution network operator if necessary, that the equipment is connected only to a supply with a short-circuit power Ssc greater than or equal to Ssc(\*2).  
[Ssc (\*2)]

Model	Ssc[MVA]
AC071HCADKH	2.209
AC060HCADKH	0.758
AC052HCAPKH	0.577

### Between Indoor unit and Outdoor unit Connection Cable Specifications(Common in use)

Power supply			Communication Cable
Power supply	Max/Min(V)	Indoor Power Cable	
1Φ, 220-240V, 50Hz	±10%	2.5mm <sup>2</sup> ↑ , 3wires	0.75~1.5mm <sup>2</sup> , 2wires

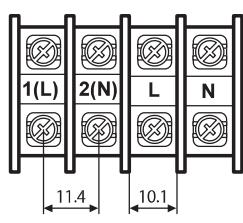
- ◆ Power supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord. (Code designation IEC:60245 IEC 57 / CENELEC: H05RN-F or IEC:60245 IEC 66 / CENELEC: H07RN-F)



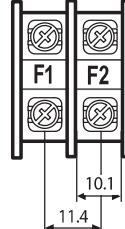
When installing the indoor unit in a computer room or net work room, use the double shielded (Tape aluminum / polyester braid + copper ) cable of FROHH2R type.

### 1-phase terminal block spec

AC power : M4 screw

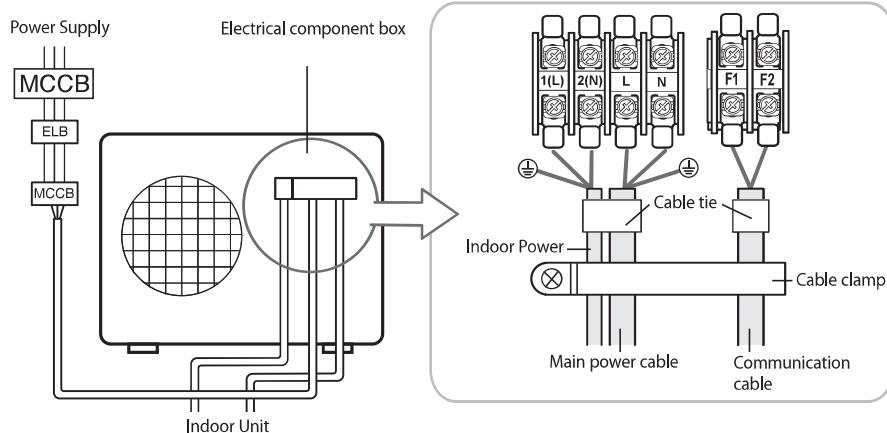


Communication : M4 screw



## Wiring Diagram of Power Cable

When using ELCB for 1 phase



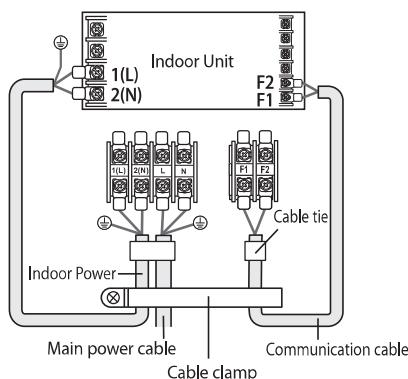
\* The appearance of the unit may be different from the picture depending on the model.



- You should connect the power cable into the power cable terminal and fasten it with a clamp.
- The unbalanced power must be maintained within 2% of supply rating.
  - If the power is unbalanced greatly, it may shorten the life of the condenser. If the unbalanced power is exceeded over 4% of supply rating, the indoor unit is protected, stopped and the error mode indicates.
- To protect the product from water and possible shock, you should keep the power cable and the connection cord of the indoor and outdoor units within ducts. (with appropriate IP rating and material selection for your application)
- Ensure that main supply connection is made through a switch that disconnects all poles, with contact gap of at least 3 mm.
- Devices disconnected from the power supply should be completely disconnected in the condition of overvoltage category.
- Keep distances of 50mm or more between power cable and communication cable.

## Wiring Diagram of Connection Cord

1 phase

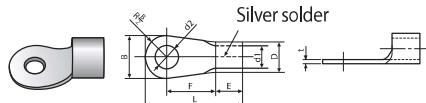


- Lay the electrical wiring so that the front cover does not rise up when doing wiring work and attach the front cover securely.
- Ground wire for the indoor unit and outdoor unit connection cable must be clamped to a soft copper tin-plated eyelet terminal with M4 screw hole(NOT SUPPLIED WITH UNIT ACCESSORIES).

## Connecting the cable

### Connecting the Power Terminal

- ◆ Connect the cables to the terminal board using the compressed ring terminal.
- ◆ Cover a solderless ring terminal and a connector part of the power cable and then connect it.



Nominal dimensions for cable [mm <sup>2</sup> /inch <sup>2</sup> ]	Nominal dimensions for screw [mm/inch]	B		D		d1		E	F	L	d2		t
		Standard dimension [mm/inch]	Allowance [mm/inch]	Standard dimension [mm/inch]	Allowance [mm/inch]	Standard dimension [mm/inch]	Allowance [mm/inch]	Min. [mm/inch]	Max. [mm/inch]	Standard dimension [mm/inch]	Allowance [mm/inch]	Min. [mm/inch]	
4/6 (0.006/ 0.009)	4(3/8)	9.5(3/8)	$\pm 0.2$ ( $\pm 0.007$ )	5.6(1/4)	$+0.3(+0.011)$ $-0.2(-0.007)$	3.4(1/8)	$\pm 0.2$ ( $\pm 0.007$ )	5 (3/16)	20 (3/4)	4.3 (3/16)	$+0.2(+0.007)$ $0(0)$	0.9 (0.03)	
	8(3/16)	15(9/16)						6 (1/4)	9 (3/8)	28.5 (1-1/8)			
10(0.01)	8(3/16)	15(9/16)	$\pm 0.2$ ( $\pm 0.007$ )	7.1(1/4)	$+0.3(+0.011)$ $-0.2(-0.007)$	4.5(3/16)	$\pm 0.2$ ( $\pm 0.007$ )	7.9 (5/16)	9 (3/8)	30 (1-3/16)	8.4 (1-3/16)	$+0.4(+0.015)$ $0(0)$	1.15 (0.04)
16(0.02)	8(3/16)	16(10/16)	$\pm 0.2$ ( $\pm 0.007$ )	9(3/8)	$+0.3(+0.011)$ $-0.2(-0.007)$	5.8(1/4)	$\pm 0.2$ ( $\pm 0.007$ )	9.5 (5/16)	13 (1/2)	33 (1-5/16)	8.4 (1-3/16)	$+0.4(+0.015)$ $0(0)$	1.45 (0.05)
25(0.03)	8(3/16)	12(1/2)	$\pm 0.3$ ( $\pm 0.011$ )	11.5(7/16)	$+0.5(+0.019)$ $-0.2(-0.007)$	7.7(5/16)	$\pm 0.2$ ( $\pm 0.007$ )	11 (3/8)	15 (5/8)	34 (1-3/8)	8.4 (1-3/16)	$+0.4(+0.015)$ $0(0)$	1.7 (0.06)
	8(3/16)	165(10/16)						13 (1/2)	13 (1/2)	43 (1-11/16)	8.4 (1-3/16)		
35(0.05)	8(3/16)	16(10/16)	$\pm 0.3$ ( $\pm 0.011$ )	13.3(1/2)	$+0.5(+0.019)$ $-0.2(-0.007)$	9.4(3/8)	$\pm 0.2$ ( $\pm 0.007$ )	12.5 (1/2)	13 (1/2)	38 (1-1/2)	8.4 (1-3/16)	$+0.4(+0.015)$ $0(0)$	1.8 (0.07)
	8(3/16)	22(7/8)						13 (1/2)	13 (1/2)	43 (1-11/16)	8.4 (1-3/16)		
50(0.07)	8(3/16)	22(7/8)	$\pm 0.3$ ( $\pm 0.011$ )	13.5(1/2)	$+0.5(+0.019)$ $-0.2(-0.007)$	11.4(7/16)	$\pm 0.3$ ( $\pm 0.011$ )	17.5 (11/16)	14 (9/16)	50 (2)	8.4 (1-3/16)	$+0.4(+0.015)$ $0(0)$	1.8 (0.07)
70(0.10)	8(3/16)	24(1)	$\pm 0.4$ ( $\pm 0.015$ )	17.5(11/16)	$+0.5(+0.019)$ $-0.4(-0.015)$	13.3(1/2)	$\pm 0.4$ ( $\pm 0.015$ )	18.5 (3/4)	20 (3/4)	51 (2)	8.4 (1-3/16)	$+0.4(+0.015)$ $0(0)$	2.0 (0.078)

- ◆ Connect the rated cables only.
- ◆ Connect using a driver which is able to apply the rated torque to the screws.
- ◆ If the terminal is loose, fire may occur caused by arc. If the terminal is connected too firmly, the terminal may be damaged.

#### Tightening Torque (kgf·cm)

M4      12.0~15.0      AC power : L,N,1(L),2(N), Communication : F1, F2



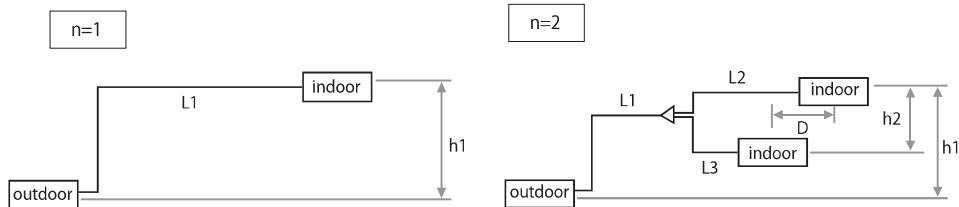
- When connecting cables, you can connect the cables to the electrical part or connect them through the holes below depending on the spot.
- Run transmission wiring between the indoor and outdoor units through a conduit to protect against external forces, and feed the conduit through the wall together with refrigerant piping.
- Remove all burrs at the edge of the knock-out hole and secure the cable to the outdoor knock-out using lining and bushing with an electrical insulation such as rubber and so on.
- Must keep the cable in a protection tube.
- Keep distances of 50mm or more between power cable and communication cable.
- When the cables are connected through the hole, remove the Plate bottom.

## Connecting the refrigerant pipe

### Refrigerant piping system

Items	Maximum allowable length			
	Single installation		DPM installation	
Applicable outdoor unit models	AC026HCADKH AC035HCADKH	AC052HCADKH AC052HCAPKH	AC060HCADKH AC071HCADKH	AC071HCADKH
Total pipe length (L1+...+Ln+1+a+b)	-	-	-	50 m
Main pipe (L1)	20 m	30 m	50 m	30 m
Max. distance among indoor units (D)	-	-	-	10 m
Max. length after branch	-	-	-	15 m
Max. height difference between outdoor and indoor units (h1)	15 m	20 m	30 m	30 m
Max. height difference among indoor units(h2)	-	-	-	0.5 m
Max Pipe length difference among indoor units after branch [L2-L3 or L2-L4 or L2-L5 or a-b or (a+L2)-(b+L4) or (a+L3)-(b+L5)]	-	-	-	5 m

\* "n" means the number of indoor unit connection of DPM.



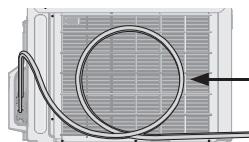
\* Use a joint kit that is only for DPM.

◆ Temper grade and minimum thickness of the refrigerant pipe

Outer diameter [mm]	Minimum thickness [mm]	Temper grade
ø6.35	0.7	C1220T-O
ø9.52	0.7	
ø12.70	0.8	
ø15.88	1.0	
ø15.88	0.8	C1220T-1/2H OR C1220T-H
ø19.05	0.9	
ø22.23	0.9	



- Make sure to use C1220T-1/2H (Semi-hard) pipe for more than Ø19.05mm. In case of using C1220T-O (Soft) pipe for Ø19.05mm, pipe may be broken, which can result in an injury.



Make at least one round:  
It will reduce noise and vibration

\* The appearance of the unit may be different from the diagram depending on the model.



- After connecting pipes with knock-out treatment, plug the space.
- Following the pipe connection, make sure to proceed precisely to prevent interference with the internal parts.

## Adding refrigerant (R-410A)

The outdoor unit is loaded with sufficient refrigerant for the standard piping. Thus, refrigerant must be added if the piping is lengthened. This operation can only be performed by a qualified refrigeration specialist. For quantity of adding refrigerant, refer to page 17.

1. Check that the stop valve is closed entirely.
2. Charge the refrigerant through the service port of liquid stop valve.



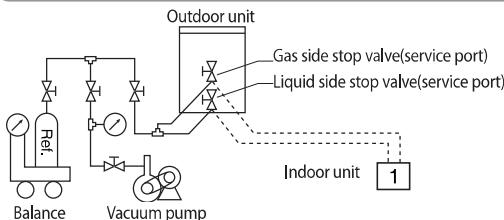
- Do not charge the refrigerant through the gas side service port.

3. If you cannot charge the refrigerant according to the upper steps, following these :

- 1) Open both liquid stop valve and gas stop valve.
- 2) Operate the air conditioner by pressing the K2 key on the outdoor unit PCB.
- 3) About 30 minutes later, charge the refrigerant through the service port of gas stop valve.



- If necessary, refer to the pressure table classified by outdoor temperature.



### Important information regulation regarding the refrigerant used

This product contains fluorinated greenhouse gases. Do not vent gases into the atmosphere.



- Inform user if system contains 5 tCO<sub>2</sub>e or more of fluorinated greenhouse gases. In this case, it has to be checked for leakage at least once every 12 months, according to regulation n°517/2014. This activity has to be covered by qualified personnel only.
- In case situation above (5 tCO<sub>2</sub>e or more of R-410A), installer (or recognized person which has responsibility for final check) has to provide a maintenance book, with all the information recorded according to REGULATION (EU) No 517/2014 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 April 2014 on fluorinated greenhouse gases.

Please fill in the following indelible ink on the refrigerant charge label supplied with this product on and on this manual.

- ① the factory refrigerant charge of the product,
- ② the additional refrigerant amount charged in the field and
- ①+② the total refrigerant charge.

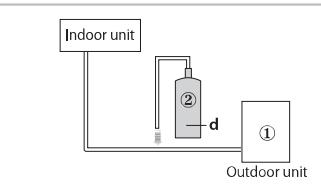
on the refrigerant charge label supplied with the product.

Refrigerant type	GWP value
R-410A	2088
• GWP=Global Warming Potential	
• Calculating tCO <sub>2</sub> e : kg x GWP / 1000	



- a. Factory refrigerant charge of the product: see unit name plate
- b. Additional refrigerant amount charged in the field (Refer to the above information for the quantity of refrigerant replenishment.)
- c. Total refrigerant charge
- d. Refrigerant cylinder and manifold for charging

>> The filled-out label must be adhered in the proximity of the product charging port (e.g. onto the inside of the stop valve cover).



Unit	kg	tCO <sub>2</sub> e
① a		
② b		
①+② c		

## How to Calculate the Quantity of Adding Refrigerant

The quantity of additional refrigerant is variable according to the installation situation. Thus, make sure the outdoor unit situation before adding refrigerant. This operation can only be performed by a qualified refrigeration specialist.

### Single installation outdoor unit

Model	Interconnection pipe length (m)					
	0~5	5~10	10~20	20~30	30~40	40~50
AC026HCADKH AC035HCADKH	+10g/m over 5m		-	-	-	
AC052HCADKH AC052HCAPKH	+10g/m over 5m		-	-	-	
AC060HCADKH AC071HCADKH	+20g/m over 5m					

### DPM installation outdoor unit

Model	Diameter of L1, a & b pipe	Installation condition	Amount of additional refrigerant charging
AC071HCADKH	Φ 6.35	L1 + ... + Ln + 1 ≤ 50 m	(L1+a+b-5) x 20 [g] + (L2+...+Ln+1) x 20 [g] If (L1+a+b) < 5 m, (L2+...+Ln+1) x 20 [g]

\* "n" means the number of indoor unit connection of DPM.

## Installing DPM

---

### DPM allowable Outdoor and indoor unit models

DPM allowable Outdoor and indoor unit models	
Outdoor unit models	2 indoor units connection
	Indoor unit
AC071HCADKH	AC035HBMDKH

\* Installation of multiple indoor units should consist of units that have the same capacity.

### Space requirements for indoor and outdoor units and piping installation

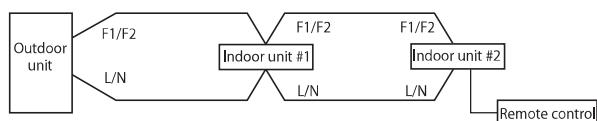
(Refer to page 8~9 installation specification.)

- Two indoor units should be installed in one area which is not divided by a wall.
- The distance between two indoor units should be within a straight-line of 10m.
- After branching, the distance between the piping connected to the two indoor units should be within 1m.
- The height difference between two units should be within 0.5m.
- Use the joint KIT that is only for DPM. (Please refer to the table below)

DPM KIT	2-Indoor unit connection
	MXJ-2D2509K

## Connecting communication line and wired remote controller

### In case of 2 indoor units connection



\* The wired remote controller can be used with any of the DPM indoor units.

## Operation and specification

- The two, the three, or the four sets of the indoor units with DPM installation which are controlled by wired and wireless remote controller work equally. (All controls such as ON/OFF, cooling/heating/dehumidification/ventilation, high/ medium/ low wind, fixing louver angle/swing are equally applied.)
- Thermo OFF which stops when indoor temperature reaches set temperature works by the average sensor value of the indoor temperature of the all indoor units.
- When one of the several indoor units has a problem, they protect operation or stop working.

## Instruction for installation and operation

- You should install the DPM according to the above installation specification and eliminate the factors that give electrical load to the both indoor units when installing and operating. (Heater / window / front door / ventilation / partition that divides space)
  - You should provide sufficient instructions about the operation method and specification features to users and fill in caution phrases on wired remote controller when necessary.
- <The air-conditioners in this area are special type to be controlled simultaneously.>

## Set up indoor quantity by key switch(K1, K2)

- Press and hold K1 switch to enter the setting mode on the number of the installed indoor unit : Check "A0" sign on 7-segment
- Press K2 switch to set the number of the installed indoor unit :
- Ex) If there are two indoor units, press K2 switch twice, and check "A2" sign on 7-segment.  
If there are three indoor units, press K3 switch three times, and check "A3" sign on 7-segment.  
If there are four indoor units, press K4 switch four times, and check "A4" sign on 7-segment.
- Press K1 switch to complete setting the number of the installed indoor unit : Check "AA" sign on 7-segment.

## Connecting up and removing air in the circuit



- When installing, make sure there is no leakage. When recovering the refrigerant, ground the compressor first before removing the connection pipe. If the refrigerant pipe is not properly connected and the compressor works with the service valve open, the pipe inhales the air and it makes the pressure inside of the refrigerant cycle abnormally high. It may cause explosion and injury.

The air in the indoor unit and in the pipe must be purged. If air remains in the refrigeration pipes, it will affect the compressor either reduce cooling/heating capacity or lead to a malfunction. Refrigerant for air purging is not charged in the outdoor unit. Use Vacuum Pump as shown at the right figure.

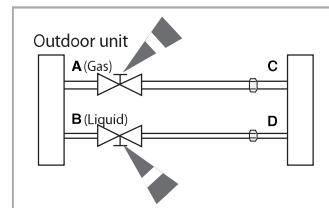
- Connect each assembly pipe to the appropriate valve on the outdoor unit and tighten the flare nut.
- Referring to the illustration opposite, tighten the flare nut on section B first manually and then with a torque wrench, applying the following torque.

Outer Diameter (D)	Torque (N·m)
ø6.35 mm(1/4")	14~18
ø9.52 mm(3/8")	34~42
ø12.70 mm(1/2")	49~61
ø15.88 mm(5/8")	68~82
ø19.05 mm(3/4")	100~120

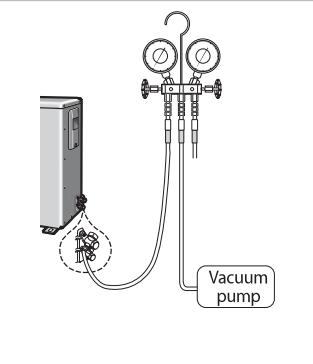
- Connect the charging hose of low pressure side of manifold gauge to the packed valve having a service port as shown at the figure.



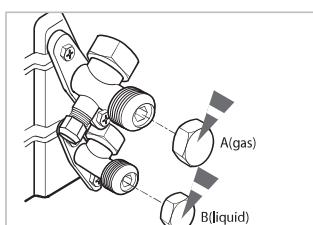
- Make the electrical connection and leave the system into "stand by mode". Do not turn on the system.  
This is necessary to speed up vacuum operation (full OPEN position of Electronic Expansion Valve - EEV -).



- Open the valve of the low pressure side(A) of manifold gauge counterclockwise.
- Purge the air from the system using vacuum pump for about 10 minutes.
  - Close the valve of the low pressure side of manifold gauge clockwise.
  - Make sure that pressure gauge shows -0.1MPa(-76cmHg) after about 10 minutes. This procedure is very important to avoid a gas leak.
  - Turn off the vacuum pump.
  - Remove the hose of the low pressure side of manifold gauge.
- Set valve cork of both liquid side and gas side of packed valve to the open position.
- Mount the valve stem nuts and the service port cap to the valve, and tighten them at the torque of 183kgf·cm with a torque wrench.
- Check for gas leakage.
  - At this time, especially check for gas leakage from the 3-way valve's stem nuts(A port), and from the service port cap.



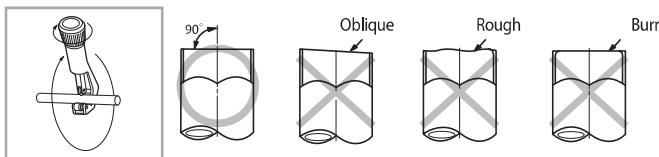
\*The designs and shape are subject to change according to the model.



- Connect the indoor and outdoor units using pipes with flared connections (not supplied). For the lines, use insulated, unwelded, degreased and deoxidized copper pipe, (Cu DHP type to ISO 1337 or UNI EN 12735-1), suitable for operating pressures of at least 4200kPa and for a burst pressure of at least 20700kPa. Copper pipe for hydro-sanitary applications is completely unsuitable.
- For sizing and limits (height difference, line length, max. bends, refrigerant charge, etc.) see "Connecting refrigerant pipe section".

## Cutting/Flaring the pipes

1. Make sure that you have the required tools available. (pipe cutter, reamer, flaring tool and pipe holder)
2. If you wish to shorten the pipes, cut it with a pipe cutter, taking care to ensure that the cut edge remains at a 90° angle with the side of the pipe. Refer to the illustrations below for examples of edges cut correctly and incorrectly.

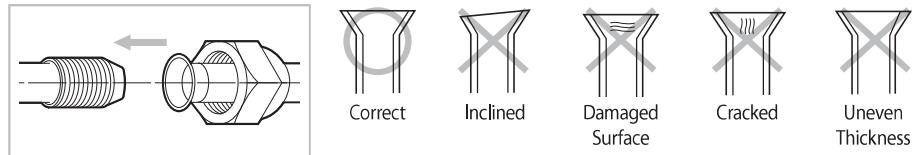


3. To prevent any gas from leaking out, remove all burrs at the cut edge of the pipe, using a reamer.
4. Slide a flare nut on to the pipe and modify the flare.

The diagram shows a pipe being flared. Dimension D is the outer diameter of the pipe, and dimension A is the depth of the flare. The table lists the required values for different pipe sizes.

Outer Diameter (D)	Depth (A)
ø6.35 mm(1/4")	1.3 mm
ø9.52 mm(3/8")	1.8 mm
ø12.70 mm(1/2")	2.0 mm
ø15.88 mm(5/8")	2.2 mm
ø19.05 mm(3/4")	2.2 mm

5. Check that the flaring is correct, referring to the illustrations below for examples of incorrect flaring.



The table provides connection torque and flare dimension for various pipe sizes. The inset diagram illustrates the geometry of a correct flare, showing an included angle of 90° ± 2°, a shoulder angle of 45°, a shoulder length of L, a fillet radius of R 0.4~0.8, and the internal pipe diameter ID.

Outer diameter (D, mm)	Connection torque (N·m)	Flare dimension (L, mm)	Flare shape (mm)
Ø 6.35	14~18	8.7~9.1	
Ø 9.52	34~42	12.8~13.2	
Ø 12.70	49~61	16.2~16.6	
Ø 15.88	68~82	19.3~19.7	
Ø 19.05	100~120	23.6~24.0	



- If the pipes require brazing ensure that OFN(Oxygen Free Nitrogen) is flowing through the system.
- Nitrogen blowing pressure range is 0.02 ~ 0.05MPa.

## Performing leak tests

### LEAK TEST WITH NITROGEN (before opening valves)

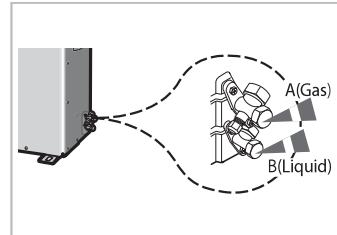
In order to detect basic refrigerant leaks, before recreating the vacuum and recirculating the R-410A, it's responsible of installer to pressurize the whole system with nitrogen (using a cylinder with pressure reducer) at a pressure above 40 bar (gauge).

### LEAK TEST WITH R-410A (after opening valves)

Before opening valves, discharge all the nitrogen into the system and create vacuum. After opening valves check leaks using a leak detector for refrigerant R-410A. Once you have completed all the connections, check for possible leaks using leak detector specifically designed for HFC refrigerants.

To check for gas leaks on the  
Outdoor unit

Then, using a leak detector, check the  
Valves on sections A and B.

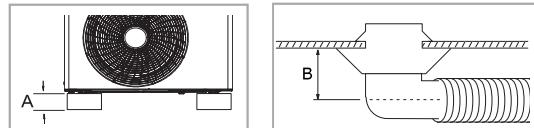


\* The designs and shape are subject to change according to the model.

## Connecting the drain hose to the outdoor unit

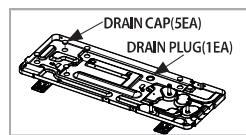
When using the air conditioner in the heating mode, ice may accumulate . During de-icing (defrost operation), the condensed water must be drained off safely. Consequently, you must install a drain hose on the outdoor unit, following the instructions below.

1. Make space more than A mm between the bottom of the outdoor unit and the ground for installation of the drain hose, as shown in figure.
2. Insert the drain plug into the hole on the underside of the outdoor unit.
3. Connect the drain hose to the drain plug.
4. Ensure that the drained water runs off correctly and safely.

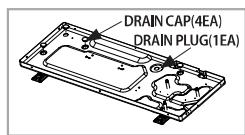


Model	A	B
AC026HCADKH AC035HCADKH AC052HCADKH	80mm ↑	13mm
AC060HCADKH AC071HCADKH AC052HCAPKH	80mm ↑	30mm

5. Be sure to plug the rest of drain holes not connected with drain plugs using drain caps.



\*026/035\*



\*052/060/071\*

\* When installing the product, make sure that the rack is not placed under the drain hole.

\* If the product is installed in a region of heavy snow, allow enough separation distance between the product and the ground.

## Insulation

Once you have checked that there are no leaks in the system, you can insulate the piping and hose.

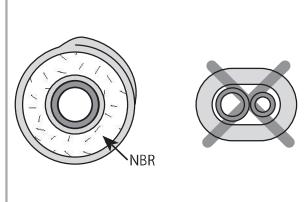
- To avoid condensation problems, place an insulator around each refrigerant pipe.



- When insulate the pipe, be sure to overlap the insulation.
- The insulation has to be produced in full compliance of European regulation reg. EEC / EU 2037/ 2000 that requires the use of sheaths insulation form without using CFC and HCFC gases for health and the environment.



- When insulating the pipe, use non-slit insulator.



- Select the insulation of the refrigerant pipe.

- Insulate the gas side and liquid side pipe referring to the thickness according to the pipe size.
- Less than Indoor temperature of 30°C and humidity of 85% is the standard condition. If installing in a high humidity condition, use one grade thicker insulator by referring to the table below. If installing in an unfavorable conditions, use thicker one.
- Insulator's heat-resistance temperature should be more than 120°C.

Pipe	Pipe size	Insulation Type (Heating/Cooling)		Remarks
		Standard [Less than 30°C, 85%]	High humidity [over 30°C, 85%]	
		EPDM, NBR		
Liquid pipe	Ø6.35~Ø9.52	9t	9t	Internal temperature is higher than 120°C
	Ø12.7~Ø19.05	13t	13t	
Gas pipe	Ø6.35	13t	19t	Internal temperature is higher than 120°C
	Ø9.52~Ø19.05	19t	25t	

- When installing insulation in places and conditions below, use the same insulation that is used for high humidity conditions.

<Geological condition>

- High humidity places such as shoreline, hot spring, near lake or river, and ridge (when the part of the building is covered by earth and sand.)

<Operation purpose condition>

- Restaurant ceiling, sauna, swimming pool etc.

<Building construction condition>

- The ceiling frequently exposed to moisture and cooling is not covered.

e.g. The pipe installed at a corridor of a dormitory and studio or near an exit that opens and closes frequently.

- The place where the pipe is installed is highly humid due to the lack of ventilation system.

## Using stop valve

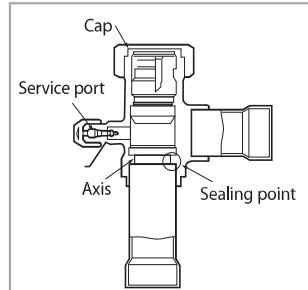
### To Open the Stop Valve

1. Open the cap and turn the stop valve counterclockwise by using a hexagonal wrench.
2. Turn it until the axis is stopped.



- Do not apply excessive force to the stop valve and always use special instruments. Otherwise, the stopping box can be damaged and the back sheet can leak.
- If the watertight sheet leaks, turn the axis back by half, tighten the stopping box, then check the leakage again. If there is no leakage anymore, tighten the axis entirely.

3. Tighten the cap securely.



### To Close the Stop Valve

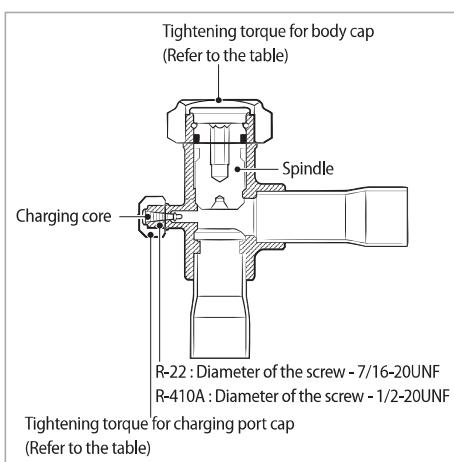
1. Remove the cap.
2. Turn the stop valve clockwise by using a hexagonal wrench.
3. Tighten the axis until the valve reached the sealing point.
4. Tighten the cap securely.



- When you use the service port, always use a charging hose, too.
- Check the leakage of refrigerant gas after tightening the cap.
- Must use a spanner and wrench when you open/tighten the stop valve.

- Before inspecting the leakage, use a torque wrench to close the cap for the service valve. (Comply with a tightening torque for each size of the diameter, and tighten the cap firmly to prevent any leakage.)
- To check for any possible leakage, inert gas into the pipes connected to indoor/outdoor units and check the connection part of the indoor/outdoor units with soap lather or liquid for leakage test.

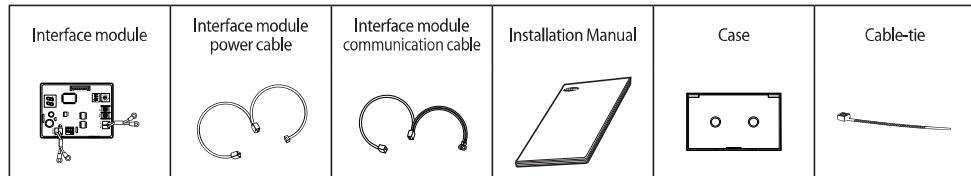
Outer diameter (mm)	Tightening torque	
	Body cap (N·m)	Charging port cap (N·m)
Ø6.35	20~25	
Ø9.52	20~25	
Ø12.70	25~30	10~12
Ø15.88	30~35	
Over Ø19.05	35~40	



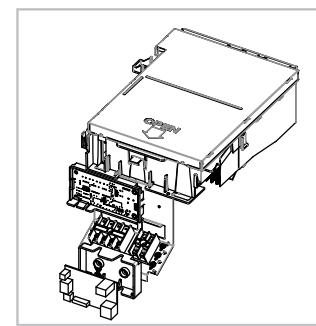
※ 1 N·m = 10 kgf·cm

## Interface module Installation (Optional)

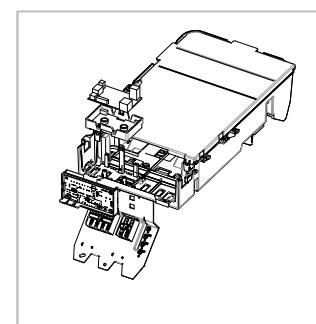
### Accessories (Interface module : MIM-B13D)



1. Fix the case at with bolts on the side of the control box in the outdoor unit.  
(See the picture)
2. Attach the Interface module PCB to the case in the control box in the outdoor unit, then connect the power and the communication cable between the Interface module and the outdoor unit; refer to the figure of pages 13.
3. If you install a Interface module to an outdoor unit, every indoor unit which is connected to an outdoor unit can be controlled simultaneously.
4. Each outdoor unit connected to the same centralized controller has its own Interface module.



Fix the case with hinges  
(Control Box in the outdoor unit)

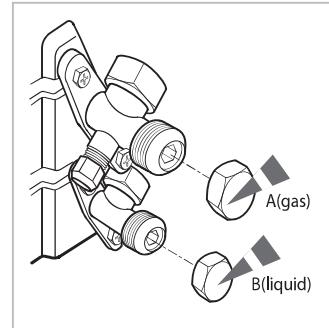


Fix the case with hinges  
(Control Box in the outdoor unit)

## Pump down Procedure

Pump down will be carried out when an evaporator is replaced or when the unit is relocated in another area.

1. Remove the cap from the low pressure side.
2. Turn the low pressure side valve clockwise to close and connect a pressure gauge (low pressure side) to the service valve, and open the valve again.
3. Set the unit to the cooling Test mode by pushing K2 button (Check if the compressor is operating.)
4. Turn the high pressure side valve counter clockwise to close.
5. When the pressure gauge indicates "0" turn the low pressure side valve counter clockwise to close.
6. Stop operation of the air conditioner by pushing K3 button.
7. Close the each cap of valve.



### Relocation of the air conditioner

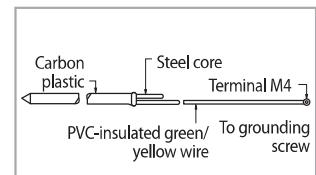
#### **NOTE**

- Refer to this procedure when the unit is relocated.
- Carry out the pump down procedure (refer to the details of 'pump down').
- Remove the power cord.
- Disconnect the assembly cable from the indoor and outdoor units.
- Remove the flare nut connecting the indoor unit and the pipe.
- At this time, cover the pipe of the indoor unit and the other pipe using a cap or vinyl plug to avoid foreign material entering.
- Disconnect the pipe connected to the outdoor unit. At this time, cover the valve of the outdoor unit and the other pipe using a cap or vinyl plug to avoid foreign material entering.
- Make sure you do not bend the connection pipes in the middle and store together with the cables.
- Move the indoor and outdoor units to a new location.
- Remove the mounting plate for the indoor unit and move it to a new location.

## Checking correct grounding

If the power distribution circuit does not have a grounding or the grounding does not comply with specifications, an grounding electrode must be installed. The corresponding accessories are not supplied with the air conditioner.

1. Select an grounding electrode that complies with the specifications given in the illustration.

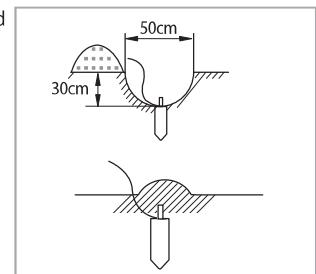


2. Connect the flexible hose to the flexible hose port.

- ◆ In damp hard soil rather than loose sandy or gravel soil that has a higher grounding resistance.
- ◆ Away from underground structures or facilities, such as gas pipes, water pipes, telephone lines and underground cables.
- ◆ At least two metres away from a lightening conductor grounding electrode and its cable.



- The grounding wire for the telephone line cannot be used to ground the air conditioner.



3. Finish wrapping insulating tape around the rest of the pipes leading to the outdoor unit.

4. Install a green/yellow coloured grounding wire :

- ◆ If the grounding wire is too short, connect an extension lead, in a mechanical way and wrapping it with insulating tape (do not bury the connection).
- ◆ Secure the grounding wire in position with staples.



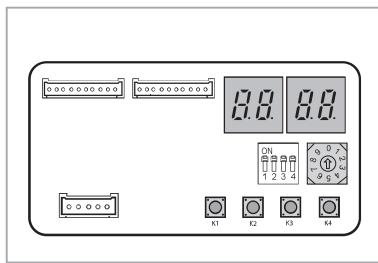
- If the grounding electrode is installed in an area of heavy traffic, its wire must be connected securely.

5. Carefully check the installation, by measuring the grounding resistance with a ground resistance tester. If the resistance is above required level, drive the electrode deeper into the ground or increase the number of grounding electrodes.

6. Connect the grounding wire to the electrical component box inside of the outdoor unit.

## Testing operations

1. Check the power supply between the outdoor unit and the auxiliary circuit breaker.
  - ◆ 1 phase power supply : L, N
2. Check the indoor unit.
  - 1) Check that you have connected the power and communication cables correctly. (If the power cable and communication cables one mixed up or connected incorrectly, the PCB will be damaged.)
  - 2) Check the thermistor sensor, drain pump/hose, and display are connected correctly.
3. Press K1 or K2 on the outdoor unit PCB to run the test mode and stop.
  - ◆ Press K1 button → Start Heating test mode → Press K1 button → Stop → Heating test mode 7-seg display :  
  - ◆ Press K2 button → Start Cooling test mode → Press K2 button → Stop → Cooling test mode 7-seg display :  
  - ◆ Press K1 button twice → Start Defrost test mode → Press K1 button → Stop → Defrost test mode 7-seg display :    
Condition 1 : The outdoor temperature is under 10°C  
Condition 2 : All the temperature conditions should meet the defrost conditions
4. After 12 minutes of stationary condition check each indoor unit air treatment:
  - ◆ Cooling mode(indoor unit check) → Inlet air temp. - Outlet air temp. : From 10°C to 12°C
  - ◆ Heating mode(indoor unit check) → Outlet air temp. - Inlet air temp. : From 11°C to 14°C
  - ◆ In heating mode, the indoor fan motor can remain off to avoid cold air blown into conditioned space.
5. How to reset the power supply of the outdoor unit and deactivate the eco mode (standby mode):
  - ◆ Press [K3] button over 1 sec to reset the power supply of the outdoor units and deactivate the eco mode (standby mode)



**6. View Mode : When the K4 switch is pressed, you can see information about our system state as below.**

Short push	Display contents	SEG1	SEG2	SEG3	SEG4	Unit
1	Order frequency	1	Hundreds' digit	Tens' digit	Unit digit	Hz
2	Current frequency	2	Hundreds' digit	Tens' digit	Unit digit	Hz
3	The number of current indoor units	3	Hundreds' digit	Tens' digit	Unit digit	EA
4	The sensor for outdoor air intake	4	+/-	Tens' digit	Unit digit	°C
5	Discharge sensor	5	Hundreds' digit	Tens' digit	Unit digit	°C
6	Eva-Mid sensor	6	+/-	Tens' digit	Unit digit	°C
7	Cond sensor	7	+/-	Tens' digit	Unit digit	°C
8	Current	8	Tens' digit	Unit digit	The first place of decimals	A
9	Fan RPM	9	Thousands' digit	Hundreds' digit	Tens' digit	rpm
10	Target discharge temperature	A	Hundreds' digit	Tens' digit	Unit digit	°C
11	EEV	B	Hundreds' digit	Tens' digit	Unit digit	step
12	The capacity sum of indoor units	C	Tens' digit	Unit digit	The first place of decimals	kW
13	Protective control	D	0:Cooling 1:Heating	Protective control 0:No Protective control 1:Freezing 2:Non-stop defrosting 3:Over-load 4:Discharge 5:Total electric current	Frequency status 0:Normal 1:Hold 2:Down 3:Up_limit 4:Down_limit	-
14	The temperature of heat radiating plate	E	Hundreds' digit	Tens' digit	Unit digit	-
15	S/W check	F	-	-	-	-

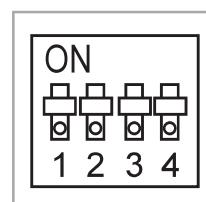
  

Long push 1	Main micom version	Year (Hex)	Month (Hex)	Date (Tens' digit)	Date (Unit digit)
After short push 1	Inverter micom version	Year (Hex)	Month (Hex)	Date (Tens' digit)	Date (Unit digit)
After short push 1	E2P version	Year (Hex)	Month (Hex)	Date (Tens' digit)	Date (Unit digit)

※ Long push K4(Main micom ver.) → short push 1 more(Inv. micom ver.) → short push 1 more(E2P ver.)

**7. DIP switch option**

	On (default)	Off
Switch 1	Auto address	Manual address
Switch 2	Disable snow prevention control	Enable snow prevention control
Switch 3 Switch 4	Silence Mode option	



※ When snow prevention mode is in use, eco mode(standby mode)will not be functional.

**8. Silence Mode DIP switch option**

Switch 3	Switch 4	Operation
On	On	Disable Silence mode
On	Off	Silence mode 1st step
Off	On	Silence mode 2nd step
Off	Off	Silence mode 3rd step

**COMMISSION DELEGATED REGULATION (EU) No 626/2011<sup>i)</sup>**  
**PRODUCT FICHE (ENERGY LABELLING OF AIR CONDITIONERS)<sup>ii)</sup>**

A	Supplier's name	-	Samsung Electronics Co., Ltd.	Samsung Electronics Co., Ltd.	Samsung Electronics Co., Ltd.
B	Model name (Indoor/Outdoor)	-	AC052HBLDKH AC052HCADKH	AC071HBLDKH AC071HCADKH	AC035HBMDKH AC035HCADKH
C	Sound Power Level (Inside/Outside)	dB(A)	55/63	59/65	52/63
D	Refrigerant name <sup>1)</sup>	-	R-410A	R-410A	R-410A
E	GWP	-	2088	2088	2088
F	SEER		6,1	5,9	5,4
G	Energy efficiency class (SEER)	-	A++	A+	A
H	Q <sub>CE</sub> <sup>2)</sup> (cooling season)	kWh/a	287	421	227
I	Pdesignc	kW	5,0	7,1	3,5
J	SCOP	-	3,8	4,0	3,8
K	Energy efficiency class (SCOP)	-	A	A+	A
L	Q <sub>HE</sub> <sup>3)</sup> (heating season)	kWh/a	1326	1680	737
M	Other heating seasons suitable for use	-	iv)	iv)	iv)
N	Pdesignh (Average)	kW	3,6	4,8	2,0
O	Back up heating capacity (Average)	kW	0	0	0
P	Declared capacity (Average)	kW	3,6	4,8	2,0
Q	Pdesignh (Warmer)	kW	-	-	-
R	Back up heating capacity (Warmer)	kW	-	-	-
S	Declared capacity (Warmer)	kW	-	-	-
T	Pdesignh (Colder)	kW	-	-	-
U	Back up heating capacity (Colder)	kW	-	-	-
V	Declared capacity (Colder)	kW	-	-	-

1. Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to [2088]. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be [2088] times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
  2. Energy consumption "XYZ" kWh per year, based on standard test results.  
Actual energy consumption will depend on how the appliance is used and where it is located.
  3. Energy consumption "XYZ" kWh per year, based on standard test results.  
Actual energy consumption will depend on how the appliance is used and where it is located.
- iv. Warmer / Colder / Warmer & Colder

A	Supplier's name	-	Samsung Electronics Co., Ltd.	Samsung Electronics Co., Ltd.	Samsung Electronics Co., Ltd.
B	Model name (Indoor/Outdoor)	-	AC052HBMDKH AC052HCADKH	AC060HBMDKH AC060HCADKH	AC071HBMDKH AC071HCADKH
C	Sound Power Level (Inside/Outside)	dB(A)	53/63	57/64	57/65
D	Refrigerant name <sup>1)</sup>	-	R-410A	R-410A	R-410A
E	GWP	-	2088	2088	2088
F	SEER		6,1	6,1	5,9
G	Energy efficiency class (SEER)	-	A++	A++	A+
H	Q <sub>CE</sub> <sup>2)</sup> (cooling season)	kWh/a	287	344	421
I	Pdesignc	kW	5,0	6,0	7,1
J	SCOP	-	3,8	4,0	4,0
K	Energy efficiency class (SCOP)	-	A	A+	A+
L	Q <sub>HE</sub> <sup>3)</sup> (heating season)	kWh/a	1326	1680	1680
M	Other heating seasons suitable for use	-	iv)	iv)	iv)
N	Pdesignh (Average)	kW	3,6	4,8	4,8
O	Back up heating capacity (Average)	kW	0	0	0
P	Declared capacity (Average)	kW	3,6	4,8	4,8
Q	Pdesignh (Warmer)	kW	-	-	-
R	Back up heating capacity (Warmer)	kW	-	-	-
S	Declared capacity (Warmer)	kW	-	-	-
T	Pdesignh (Colder)	kW	-	-	-
U	Back up heating capacity (Colder)	kW	-	-	-
V	Declared capacity (Colder)	kW	-	-	-

1. Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to [2088]. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be [2088] times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
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- iv. Warmer / Colder / Warmer & Colder

**COMMISSION DELEGATED REGULATION (EU) No 626/2011<sup>i)</sup>**  
**PRODUCT FICHE (ENERGY LABELLING OF AIR CONDITIONERS)<sup>ii)</sup>**

A	Supplier's name	-	Samsung Electronics Co., Ltd.	Samsung Electronics Co., Ltd.	Samsung Electronics Co., Ltd.
B	Model name (Indoor/Outdoor)	-	AC052HBMPKH AC052HCAPKH	AC026HBLDKH AC026HCADKH	AC035HBLDKH AC035HCADKH
C	Sound Power Level (Inside/Outside)	dB(A)	53/63	53/63	53/63
D	Refrigerant name <sup>ii)</sup>	-	R-410A	R-410A	R-410A
E	GWP	-	2088	2088	2088
F	SEER		6,3	6,3	6,1
G	Energy efficiency class (SEER)	-	A++	A++	A++
H	Q <sub>CE</sub> <sup>2)</sup> (cooling season)	kWh/a	278	144	201
I	Pdesignc	kW	5,0	2,6	3,5
J	SCOP	-	4,1	3,8	3,8
K	Energy efficiency class (SCOP)	-	A+	A	A
L	Q <sub>HE</sub> <sup>3)</sup> (heating season)	kWh/a	1434	626	626
M	Other heating seasons suitable for use	-	iv)	iv)	iv)
N	Pdesignh (Average)	kW	4,2	1,7	1,7
O	Back up heating capacity (Average)	kW	0	0	0
P	Declared capacity (Average)	kW	4,2	1,7	1,7
Q	Pdesignh (Warmer)	kW	-	-	-
R	Back up heating capacity (Warmer)	kW	-	-	-
S	Declared capacity (Warmer)	kW	-	-	-
T	Pdesignh (Colder)	kW	-	-	-
U	Back up heating capacity (Colder)	kW	-	-	-
V	Declared capacity (Colder)	kW	-	-	-

1. Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to [2088]. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be [2088] times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
  2. Energy consumption "XYZ" kWh per year, based on standard test results.  
Actual energy consumption will depend on how the appliance is used and where it is located.
  3. Energy consumption "XYZ" kWh per year, based on standard test results.  
Actual energy consumption will depend on how the appliance is used and where it is located.
- iv. Warmer / Colder / Warmer & Colder

	[NEDERLANDS-NL]	[POLSKI-PL]
A	Naam van de leverancier	Nazwa dostawcy
B	Modelnaam (binnen/buiten)	Nazwa modelu (Wewnętrzny/zewnętrzny)
C	Geluidsniveau (binnen/buiten)	Poziom mocy akustycznej (Wewnętrzna/zewnętrzna)
D	Koelmiddel <sup>1)</sup>	Nazwa środka chłodzącego <sup>1)</sup>
E	GWP	GWP
F	SEER	SEER
G	Energie-efficiencyklasse (SEER)	Klasa energetyczna (SEER)
H	$Q_{CE}^{2)}$ (koelingsseizoen)	$Q_{CE}^{2)}$ (okres chłodzenia)
I	Pdesignc	Pdesignc
J	SCOP	SCOP
K	Energie-efficiencyklasse (SCOP)	Klasa energetyczna (SCOP)
L	$Q_{HE}^{3)}$ (verwarmingsseizoen)	$Q_{HE}^{3)}$ (okres grzewczy)
M	Andere verwarmingsseizoenen geschikt voor gebruik	Inne okresy grzania odpowiednie do użytku
N	Pdesignh (gemiddeld)	Deklarowane obciążenie grzewcze (średnie)
O	Verwarmingsovercapaciteit (gemiddeld)	Wydajność rezerwowego podgrzewacza elektrycznego (średnia)
P	Opgegeven capaciteit (gemiddeld)	Deklarowana wydajność (średnia)
Q	Pdesignh (warmer)	Deklarowane obciążenie grzewcze (cieplej)
R	Verwarmingsovercapaciteit (warmer)	Wydajność rezerwowego podgrzewacza (cieplej)
S	Opgegeven capaciteit (warmer)	Deklarowana wydajność (cieplej)
T	Pdesignh (kouder)	Deklarowane obciążenie grzewcze (zimniej)
U	Verwarmingsovercapaciteit (kouder)	Wydajność rezerwowego podgrzewacza (zimniej)
V	Opgegeven capaciteit (kouder)	Deklarowana wydajność (zimniej)
i	COMMISSIE GEDELEGEERDE VERORDENING (EU) Nr. 626/2011	ROZPORZĄDZENIE DELEGOWANE KOMISJI (UE) NR 626/2011
ii	PRODUCTKAART (ENERGIELABEL VOOR AIRCONDITIONERS)	KARTA PRODUKTU (OZNACZENIE KLIMATYZATORÓW ODNOŚĄCE SIĘ DO ICH ZUŻYCIA ENERGII )
iii	kWh/a	kWh/a
iv	Warmer	Warmer
	Colder	Zimniej
	Warmer & Colder	Cieplej & Zimniej

**COMMISSION DELEGATED REGULATION (EU) No 626/2011<sup>i)</sup>**

**PRODUCT FICHE (ENERGY LABELLING OF AIR CONDITIONERS)<sup>ii)</sup>**

	[MAGYAR-HU]	[ČEŠTINA-CS]
A	Forgalmazó neve	Název dodavatele
B	Modellnév (Beltéri/kültéri)	Název modelu (vnitřní/venkovní)
C	Zajszint (Beltéri/kültéri)	Hladina akustického výkonu (vnitřní/venkovní)
D	Hűtőközeg neve <sup>1)</sup>	Název chladiva <sup>1)</sup>
E	GWP	GWP
F	SEER	SEER
G	Energiahatékonysági osztály (SEER)	Třída energetické účinnosti (SEER)
H	$Q_{CE}^{2)}$ (hűtési szezon)	$Q_{CE}^{2)}$ (období chlazení)
I	Pdesignc	Pdesignc
J	SCOP	SCOP
K	Energiahatékonysági osztály (SCOP)	Třída energetické účinnosti (SCOP)
L	$Q_{HE}^{3)}$ (fűtési szezon)	$Q_{HE}^{3)}$ (období topení)
M	Egyéb fűtési szezonban használható	Další topné sezony vhodné k použití
N	Pdesignh (átlagos)	Pdesignh (průměr)
O	Biztonsági fűtőteljesítmény (átlagos)	Záložní topný výkon (průměrný)
P	Névleges teljesítmény (átlagos)	Udávaný výkon (průměrný)
Q	Pdesignh (melegebb)	Pdesignh (teplejší)
R	Biztonsági fűtőteljesítmény (melegebb)	Záložní topný výkon (teplejší)
S	Névleges teljesítmény (melegebb)	Udávaný výkon (teplejší)
T	Pdesignh (hidegebb)	Pdesignh (chladnější)
U	Biztonsági fűtőteljesítmény (hidegebb)	Záložní topný výkon (chladnější)
V	Névleges teljesítmény (hidegebb)	Udávaný výkon (chladnější)
i	626/2011 BIZOTTSÁGI FELHATALMAZÁSON ALAPULÓ RENDELET (EU)	NARIŽNÍ KOMISE V PŘENESENÉ PRAVOMOCI (EU) Č. 626/2011
ii	TERMÉK ADATLAP (LÉGKONDICIONÁLÓK ENERGIAHATÉKONYSAJGI CÍMKÉZÉSE)	LIST VÝROBKU (ENERGETICKÉ ŠTÍTKY KLIMATIZACÍ)
iii	kWh/a	kWh/a
iv	Warmer	Melegebb
	Colder	Hidegebb
	Warmer & Colder	Melegebb & Hidegebb
		Teplojší & Chladnější

	[SLOVENČINA-SK]	[ROMÂNĂ-RO]
A	Názov dodávateľa	Numele furnizorului
B	Názov modelu(vnútorné/vonkajšie)	Numele modelului (interior/exterior)
C	Hladina akustického výkonu (vnútorná/vonkajšia)	Nivel de putere acustică (interior/exterior)
D	Chladivo <sup>1)</sup>	Numele agentului frigorific <sup>1)</sup>
E	GWP	GWP
F	SEER	SEER
G	Trieda energetickej účinnosti (SEER)	Clasă de eficiență energetică (SEER)
H	$Q_{CE}^{2)}$ (sezóna chladenia)	$Q_{CE}^{2)}$ (perioadă de răcire)
I	Pdesignc	Pdesignc
J	SCOP	SCOP
K	Trieda energetickej účinnosti (SCOP)	Clasă de eficiență energetică (SCOP)
L	$Q_{HE}^{3)}$ (sezóna vykurovania)	$Q_{HE}^{3)}$ (perioadă de încălzire)
M	Iné sezóny vykurovania, v ktorých je vhodné použítie zariadenia	Alte perioade de încălzire adecvate pentru utilizare
N	Pdesignh (Priemerná)	Pdesignh (mediu)
O	Zálohovanie vykurovací výkon (Priemerná)	Capacitate de încălzire de rezervă (medie)
P	Deklarovaný chladiaci výkon (Priemerná)	Capacitate declarată (medie)
Q	Pdesignh (Teplejšia)	Pdesignh (mai cald)
R	Zálohovanie vykurovací výkon (Teplejšia)	Capacitate de încălzire de rezervă (mai cald)
S	Deklarovaný chladiaci výkon (Teplejšia)	Capacitate declarată (mai cald)
T	Pdesignh (Chladnejšia)	Pdesignh (mai rece)
U	Zálohovanie vykurovací výkon (Chladnejšia)	Capacitate de încălzire de rezervă (mai rece)
V	Deklarovaný chladiaci výkon (Chladnejšia)	Capacitate declarată (mai rece)
i	DELEGOVANÉ NARIADENIE KOMISIE (EÚ) č. 626/2011	REGULAMENTUL DELEGAT (UE) 626/2011 AL COMISIEI
ii	Opis výrobku (označovanie klimatizátorov energetickými)	FIŞA PRODUSULUI (ETICHETAREA ENERGETICĂ A APARATELOR DE AER CONDIȚIONAT)
iii	kWh/rok	kWh/a
iv	Warmer	Teplejšia
	Colder	Chladnejšia
	Warmer & Colder	Teplejšia & Chladnejšia

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**PRODUCT FICHE (ENERGY LABELLING OF AIR CONDITIONERS)<sup>ii)</sup>**

	[БЪЛГАРСКИ-BG]	[SRPSKI-SR]
A	Име на доставчик	Naziv dobavljača
B	Име на модел (вътрешно/външно тяло)	Naziv modela (unutrušnja jedinica/ spoljašnja jedinica)
C	Ниво на акустична мощност (вътрешно/ външно тяло)	Nivo buke (unutrašnja/spoljna jedinica)
D	Име на хладилен агент <sup>1)</sup>	Naziv rashladnog sredstva <sup>1)</sup>
E	GWP	GWP
F	SEER	SEER
G	Клас на енергийна ефективност (SEER)	Klasa energetske efikasnosti (SEER)
H	$Q_{CE}$ <sup>2)</sup> (сезон на охлаждане)	$Q_{CE}$ <sup>2)</sup> (sezona hlađenja)
I	Pdesignc	Pdesignc
J	SCOP	SCOP
K	Клас на енергийна ефективност (SCOP)	Klasa energetske efikasnosti (SCOP)
L	$Q_{HE}$ <sup>3)</sup> (сезон на отопление)	$Q_{HE}$ <sup>3)</sup> (grejna sezona)
M	Други сезоni на отопление, подходящи за използване	Druge grejne sezone pogodne za korišćenje
N	Обявен отоплителен товар (среден)	Pdesignh (Prosečno)
O	Капацитет на помошно отопление (среден)	Bačak up kapacitet gрејања (Prosečno)
P	Деклариран капацитет (среден)	Deklarisani kapacitet (Prosečno)
Q	Обявен отоплителен товар (по-топло)	Pdesignh (Toplji deo godine)
R	Капацитет на помошно отопление (по- топло)	Bačak up kapacitet gрејања (Toplji deo godine)
S	Деклариран капацитет (по-топло)	Deklarisani kapacitet (Toplji deo godine)
T	Обявен отоплителен товар (по-студено)	Pdesignh (Hladniji deo godine)
U	Капацитет на помошно отопление (по- студено)	Bačak up kapacitet gрејања (Hladniji deo godine)
V	Деклариран капацитет (по-студено)	Deklarisani kapacitet (Hladniji deo godine)
i	ДЕЛЕГИРАН РЕГЛАМЕНТ (ЕС) № 626/2011 НА КОМИСИЯТА	КОМИСИЈА ДЕЛЕГАТЕД УРЕДБА (ЕС) № 626/2011
ii	ПРОДУКТОВ ФИШ (ЕНЕРГИЙНО ЕТИКЕТИРАНЕ НА КЛИМАТИЦИ)	ПРОИЗВОДА ФИЦХЕ (енергетског означавања клима уређаја)
iii	kWh/a	kWh/godišnje
iv	Warmer	По-топло
	Colder	По-студено
	Warmer & Colder	По-топло и по-студено

	[HRVATSKI-HR]	[SHQIP-SQ]
A	Naziv dobavljača	Emri i ofruesit
B	Naziv modela (unutarnji/spoljni)	Emri i modelit (i brendshëm/jashtëm)
C	Razina zvučne snage (u zatvorenom/otvorenom)	Nivel i fuqisë së zhurmës (brenda/jashtë)
D	Naziv rashladnog sredstva <sup>1)</sup>	Emri i ftohësit <sup>1)</sup>
E	GWP	GWP
F	SEER	SEER
G	Razred energetske učinkovitosti (SEER)	Kategoria e efikasitetit të energjisë (SEER)
H	Q <sub>CE</sub> <sup>2)</sup> (sezona hlađenja)	Q <sub>HE</sub> <sup>2)</sup> (stina e ftohjes)
I	Pdesignc	Pdesignc
J	SCOP	SCOP
K	Razred energetske učinkovitosti (SCOP)	Kategoria e efikasitetit të energjisë (SCOP)
L	Q <sub>HE</sub> <sup>3)</sup> (sezona grijanja)	Q <sub>HE</sub> <sup>3)</sup> (stina e ngrohjes)
M	Druge sezone grijanja u kojima se može koristiti	Stinë të tjera ngrohjeje të përshtatshme për përdorim
N	Pdesignh (Prosječno)	Pdesignh (mesatare)
O	Back up kapacitet grijanja (Prosječno)	Kapaciteti rezervë i ngrohjes (mesatare)
P	Prijavljeni kapacitet (Prosječno)	Kapaciteti i deklaruar (mesatare)
Q	Pdesignh (Toplje)	Pdesignh (më ngrohtë)
R	Back up kapacitet grijanja (Toplje)	Kapaciteti rezervë i ngrohjes (më ngrohtë)
S	Prijavljeni kapacitet (Toplje)	Kapaciteti i deklaruar (më ngrohtë)
T	Pdesignh (Hladnije)	Pdesignh (më ftohtë)
U	Back up kapacitet grijanja (Hladnije)	Kapaciteti rezervë i ngrohjes (më ftohtë)
V	Prijavljeni kapacitet (Hladnije)	Kapaciteti i deklaruar (më ftohtë)
i	DELEGIRANA UREDBA KOMISIJE (EU) br. 626/2011	RREGULLORE E DELEGUAR NGA KOMISIONI (BE) NR. 626/2011
ii	Informacijski list proizvoda (označivanja energetske učinkovitosti)	ETIKETA E PRODUKTIT (ETIKETIM I ENERGJISË PËR KONDICIONERË AJRI)
iii	kWh/a	kWh/a
iv	Warmer	Toplje
	Colder	Hladnije
	Warmer & Colder	Toplje & Hladnije

**COMMISSION DELEGATED REGULATION (EU) No 626/2011<sup>i)</sup>**

**PRODUCT FICHE (ENERGY LABELLING OF AIR CONDITIONERS)<sup>ii)</sup>**

	[МАКЕДОНСКИ-МК]	[SLOVENČINA-SL]
A	Име на испорачувач	Názov dodávateľa
B	Име на модел (внатрешен/надворешен)	Názov modelu(vnútorné/vonkajšie)
C	Ниво на јачина на звук (внатре/надвор)	Hlídina akustického výkonu (vnútorná/vonkajšia)
D	Име на разладно средство <sup>1)</sup>	Chladivo <sup>1)</sup>
E	GWP	GWP
F	SEER	SEER
G	Класа на енергетска ефикасност (SEER)	Trieda energetickej účinnosti (SEER)
H	$Q_{CE}$ <sup>2)</sup> (sezona на ладење)	$Q_{CE}$ <sup>2)</sup> (sezóna chladenia)
I	Pdesignc	Pdesignc
J	SCOP	SCOP
K	Класа на енергетска ефикасност (SCOP)	Trieda energetickej účinnosti (SCOP)
L	$Q_{HE}$ <sup>3)</sup> (sezона на греенje)	$Q_{HE}$ <sup>3)</sup> (sezóna vykurovania)
M	Други сезони на греенje кои се соодветни за користење	Iné sezóny vykurovania, v ktorých je vhodné použitie zariadenia
N	Pdesignh (просечно)	Pdesignh (Priemerná)
O	Капацитет на резервна топлина (просечно)	Zálohovanie vykurovací výkon (Priemerná)
P	Наведен капацитет (просечно)	Deklarovaný chladiaci výkon (Priemerná)
Q	Pdesignh (потопло)	Pdesignh (Teplejšia)
R	Капацитет на резервна топлина (потопло)	Zálohovanie vykurovací výkon (Teplejšia)
S	Наведен капацитет (потопло)	Deklarovaný chladiaci výkon (Teplejšia)
T	Pdesignh (поладно)	Pdesignh (Chladnejšia)
U	Капацитет на резервна топлина (поладно)	Zálohovanie vykurovací výkon (Chladnejšia)
V	Наведен капацитет (поладно)	Deklarovaný chladiaci výkon (Chladnejšia)
i	ДЕЛЕГИРАНА РЕГУЛАТИВА ОД КОМИСИЈАТА (ЕУ) бр. 626/2011	DELEGOVANÉ NARIADENIE KOMISIE (EÚ) č. 626/2011
ii	ИНФОРМАЦИИ ЗА ПРОИЗВОДОТ (ЕНЕРГЕТСКИ ОЗНАКИ ЗА КЛИМА-УРЕДИ)	Opis výrobku (označovanie klimatizátorov energetickými)
iii	kWh/a	kWh/rok
iv	Warmer	Teplo
	Colder	Chladne
	Warmer & Colder	Teplo & Chladne

	[DANSK-DA]	[SVENSKA-SV]
A	Leverandørens navn	Leverantörens namn
B	Modelnavn (indendørs/udendørs)	Modellnamn (inomhus/utomhus)
C	Lydeffektniveau (indenfor/udenfor)	Ljudnivå (inomhus/utomhus)
D	Navnet på køleelementet <sup>1)</sup>	Köldmedium <sup>1)</sup>
E	GWP	GWP
F	SEER	SEER
G	Energieffektivitetsklasse (SEER)	Energieffektivitetsklass (SEER)
H	$Q_{CE}$ <sup>2)</sup> (kølesæson)	$Q_{CE}$ <sup>2)</sup> (kylningssäsong)
I	Pdesignc	Pdesignc
J	SCOP	SCOP
K	Energieffektivitetsklasse (SCOP)	Energieffektivitetsklass (SCOP)
L	$Q_{HE}$ <sup>3)</sup> (varmesæson)	$Q_{HE}$ <sup>3)</sup> (uppvärmningssäsong)
M	Andre opvarmningssæsoner, der er beregnet til brug	Andra passande uppvärmningssäsonger
N	Pdesignh (gennemsnitlig)	Pdesignh (genomsnitt)
O	Backup-varmekapacitet (gennemsnitlig)	Backup-värmekapacitet (genomsnitt)
P	Deklareret kapacitet (gennemsnitlig)	Deklarerad kapacitet (genomsnitt)
Q	Pdesignh (varmere)	Pdesignh (varmare)
R	Backup-varmekapacitet (varmere)	Backup-värmekapacitet (varmare)
S	Deklareret kapacitet (varmere)	Deklarerad kapacitet (varmare)
T	Pdesignh (koldere)	Pdesignh (kallare)
U	Backup-varmekapacitet (koldere)	Backup-värmekapacitet (kallare)
V	Deklareret kapacitet (koldere)	Deklarerad kapacitet (kallare)
i	KOMMISSIONENS DELEGEREDE FORORDNING (EU) nr. 626/2011	KOMMISSIONENS DELEGERADE FÖRORDNING (EU) nr 626/2011
ii	DATABLAD (ENERGIMÆRKNING AF KLIMAANLÆG)	INFORMATIONSLÄBLAD OM PRODUKTEN (ENERGIMÄRKNING AV LUFTKONDITIONERINGSAPPARATER)
iii	kWh pr. år	kWh/år
iv	Warmer	Varmere
	Colder	Koldere
	Warmer & Colder	Varmere og koldere
		Varmare och kallare

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**PRODUCT FICHE (ENERGY LABELLING OF AIR CONDITIONERS)<sup>ii)</sup>**

	[SUOMI-FI]	[EESTI-ET]
A	Tavarantoimittajan nimi	Tarnija nimi
B	Mallin nimi (sisä/ulko)	Mudeli nimi (sisetingimused/välitingimused)
C	Äänitehotaso (sisä/ulko)	Helivoimsuse tase (sisetingimused/välitingimused)
D	Kylmääineen nimi <sup>1)</sup>	Jahutusaine nimi <sup>1)</sup>
E	GWP	GWP
F	SEER	SEER
G	Energiatehokkuusluokka (SEER)	Energiatõhususe klass (SEER)
H	Q <sub>CE</sub> <sup>2)</sup> (jäähdytyskausi)	Q <sub>CE</sub> <sup>2)</sup> (jahutamishooaeg)
I	Pdesignc	Pdesignc
J	SCOP	SCOP
K	Energiatehokkuusluokka (SCOP)	Energiatõhususe klass (SCOP)
L	Q <sub>HE</sub> <sup>3)</sup> (lämmityskausi)	Q <sub>HE</sub> <sup>3)</sup> (kütmishooaeg)
M	Muut käytettävät lämmityskaudet	Muud sobivad kütmishooajad
N	Pdesignh (keskimääräinen)	Pdesignh (keskmine)
O	Varalämmitysteho (keskimääräinen)	Varukütte võimsus (keskmine)
P	Ilmoitettu teho (keskimääräinen)	Märgitud võimsus (keskmine)
Q	Pdesignh (lämmmin)	Pdesignh (soojem)
R	Varalämmitysteho (lämmmin)	Varukütte võimsus (soojem)
S	Ilmoitettu teho (lämmmin)	Märgitud võimsus (soojem)
T	Pdesignh (kylmä)	Pdesignh (külmem)
U	Varalämmitysteho (kylmä)	Varukütte võimsus (külmem)
V	Ilmoitettu teho (kylmä)	Märgitud võimsus (külmem)
i	DELEGOITU KOMISSION ASETUS (EU) N:o 626/2011	KOMISJONI DELEGEERITUD MÄÄRUS (EL) nr 626/2011
ii	DELEGOITU KOMISSION ASETUS (EU) N:o 626/2011	TOOTEKAART (ÖHUKONDITSIONERIDE ENERGIAMÄRGISTUS)
iii	kWh/a	kWh/a
iv	Warmer	Lämmmin
	Colder	Kylmä
	Warmer & Colder	Lämmmin ja kylmä
		Soojem
		Külmem
		Soojem ja külmem

	[LATVIEŠU-LV]	[LIETUVIŲ KALBA-LT]
A	Piegādātāja nosaukums	Tiekėjo pavadinimas
B	Modeļa nosaukums (iekštelpu/ārtelpu)	Modelio pavadinimas (naudojamo patalpose / lauke)
C	Skaņas intensitātes līmenis (iekštelpu/ārtelpu)	Garso galios lygis (patalpose / lauke)
D	Aukstumaženta nosaukums <sup>1)</sup>	Šaldalo pavadinimas <sup>1)</sup>
E	GWP	GWP
F	SEER	SEER
G	Energoefektivitātes klase (SEER)	Energijos suvartojoimo efektyvumo klasē (SEER)
H	Q <sub>CE</sub> <sup>2)</sup> (dzesēšanas sezonā)	Q <sub>CE</sub> <sup>2)</sup> (vésinimo sezonas)
I	Pdesignc	Pdesignc
J	SCOP	SCOP
K	Energoefektivitātes klase (SCOP)	Energijos suvartojoimo efektyvumo klasē (SCOP)
L	Q <sub>HE</sub> <sup>3)</sup> (sildišanas sezonā)	Q <sub>HE</sub> <sup>3)</sup> (šildymo sezonas)
M	Citas sildišanas sezonas, kas piemērotas lietošanai	Kiti šildymo sezoni, kuriais tinkama naudoti
N	Deklarētā sildišanas slodze (vidējā)	Projektinē apkrova šildymo režimu (Pdesignh) (vidutinis klimatas)
O	Rezerves sildišanas jauda (vidējā)	Atsarginis šildymo pajēgumas (vidutinis klimatas)
P	Deklarētā jauda (vidējā)	Projektinis pajēgumas (vidutinis klimatas)
Q	Deklarētā sildišanas slodze (siltākā)	Projektinē apkrova šildymo režimu (Pdesignh) (šiltesnis klimatas)
R	Rezerves sildišanas jauda (siltākā)	Atsarginis šildymo pajēgumas (šiltesnis klimatas)
S	Deklarētā jauda (siltākā)	Projektinis pajēgumas (šiltesnis klimatas)
T	Deklarētā sildišanas slodze (aukstākā)	Projektinē apkrova šildymo režimu (Pdesignh) (šaltesnis klimatas)
U	Rezerves sildišanas jauda (aukstākā)	Atsarginis šildymo pajēgumas (šaltesnis klimatas)
V	Deklarētā jauda (aukstākā)	Projektinis pajēgumas (šaltesnis klimatas)
i	KOMISIJAS DELEĢĒTĀ REGULA (ES) NR. 626/2011	KOMISIJOS DELEGUOTASIS REGLAMENTAS (ES) Nr. 626/2011
ii	DATU LAPA (GAISA KONDICIONĒTĀJU ENERGOMARķEJUMS)	GAMINIO MIKROKORTA (ORO KONDICIONIERIŲ ENERGIJOS SUVARTOJIMO ŽENKLINIMAS)
iii	kWh/a	kWh/a
iv	Warmer	Siltākā
	Colder	Aukstākā
	Warmer & Colder	Siltākā un aukstākā
		Šiltesnis ir šaltesnis klimatas

**COMMISSION DELEGATED REGULATION (EU) No 626/2011<sup>i)</sup>**

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**PRODUCT FICHE (ENERGY LABELLING OF AIR CONDITIONERS)<sup>ii)</sup>**

**[NEDERLANDS-NL]**

- 1) Lekken van koelmiddel dragen bij tot de klimaatveranderingen. Koelmiddelen met een lager Global Warming Potential (GWP) dragen minder bij tot de klimaatveranderingen dan een koelmiddel met een hogere GWP, indien ze in de atmosfeer vrijkomen. Dit apparaat bevat een koelmiddel met een GWP van [2088].  
Dit betekent dat als 1 kg van deze koelvloeistof in de atmosfeer zou lekken, de invloed hiervan op de klimaatveranderingen [2088] keer zo hoog zou zijn als 1 kg CO<sub>2</sub>, over een periode van 100 jaar. Probeer nooit zelf het koelcircuit te repareren of het product te demonteren, schakel altijd een professional in.
- 2) Energieverbruik 'XYZ' kWh per jaar, op basis van de standaard testresultaten. Het werkelijke energieverbruik is afhankelijk van het gebruik en de locatie van het apparaat.
- 3) Energieverbruik 'XYZ' kWh per jaar, op basis van de standaard testresultaten. Het werkelijke energieverbruik is afhankelijk van het gebruik en de locatie van het apparaat.

**[POLSKI-PL]**

- 1) Wycieki środka chłodzącego przyczyniają się do zmiany klimatu. W przypadku dostania się do atmosfery środek o niższym potencjałe tworzenia efektu cieplarnianego (GWP) przyczynia się do powstawania zjawiska globalnego ocieplenia w mniejszym stopniu niż środki o wyższym GWP. To urządzenie zawiera płynny środek chłodzący o potencjałe tworzenia efektu cieplarnianego równym [2088].  
Oznacza to, że w okresie 100 lat w przypadku wycieku do atmosfery 1 kg tego płynnego środka efekt takiego wycieku będzie [2088] mocniej odczuwalny niż w przypadku dostania się do atmosfery 1 kg CO<sub>2</sub>. Nigdy nie należy próbować samodzielnie ingerować w obieg środka chłodzącego ani demontować samodzielnie produktu — należy zawsze skorzystać z pomocy profesjonalisty.
- 2) Roczný pobór mocy wynosi zgodnie ze standardowym testem „XYZ” kWh. Rzeczywisty pobór energii zależy od sposobu, w jaki jest wykorzystywane urządzenie oraz od lokalizacji, w której jest użytkowane.
- 3) Roczný pobór mocy wynosi zgodnie ze standardowym testem „XYZ” kWh. Rzeczywisty pobór energii zależy od sposobu, w jaki jest wykorzystywane urządzenie oraz od lokalizacji, w której jest użytkowane.

**[MAGYAR-HU]**

- 1) A hűtőközeg-szivárgás fokozza az éghajlatváltozást. Az alacsonyabb globális felmelegedési potenciállal (GWP) rendelkező hűtőközegek kevésbé járulnak hozzá a globális felmelegedéshez, ha a léglérbe jutnak, mint a magasabb együtthatójú típusok. A berendezés [2088] értékű globális felmelegedési potenciállal (GWP) rendelkező, folyékony halmazállapotú hűtőközeget tartalmaz.  
Ez azt jelenti, hogy ha 1 kg ilyen típusú hűtőközeg a léglérbe kerül, annak globális felmelegedésre gyakorolt hatása 100 éves időszakra kivétive [2088]-szor lenne nagyobb annál, mintha 1 kg CO<sub>2</sub> szivárgott volna a léglérbe. Soha ne próbálja meg saját kezűleg szétszerelni a berendezést, vagy megbontani annak hűtőkörét! Forduljon minden szakemberhez.
- 2) Energiafogyasztás: „XYZ” kWh/év, szabványos vizsgálati eredmények alapján. A tényleges energiafogyasztás a felhasználás módjától és a berendezés elhelyezésétől függ.
- 3) Energiafogyasztás: „XYZ” kWh/év, szabványos vizsgálati eredmények alapján. A tényleges energiafogyasztás a felhasználás módjától és a berendezés elhelyezésétől függ.

**[ČEŠTINA-CS]**

- 1) Dopady úniků chladiva na klimatické zmény. Chladivo s nižším potenciálem globálneho otepľovania (GWP) má v prípade úniku do ovzduší menší vliv na globálny otepľovanie než chladivo s vyšším GWP. Zařízení obsahuje chladicí kapalinu s GWP, ktorý odpovedá hodnotě [2088]. To znamená, že když do ovzduší unikne 1 kg této chladicí kapaliny, dopad na globálny otepľovanie po dobu 100 let je 2088krát vyšší než u 1 kg CO<sub>2</sub>. Nikdy se nesnažte do chladicího okruhu sami zasahovať ani sami produkt rozebírat, vždy se obráťte na odborníka.
- 2) Ročná spotreba energie je na základě výsledkov běžných testů činí „XYZ“ kWh. Skutečná spotreba energie závisí na způsobu používání a umístění zařízení.
- 3) oční spotreba energie je na základě výsledků běžných testů činí „XYZ“ kWh. Skutečná spotreba energie závisí na způsobu používání a umístění zařízení.

**[SLOVENČINA-SK]**

- 1) Úniky chladiva prispievajú k zmene klímy. Chladivo s nižším potenciáлом prispievania ku globálnemu otepľovaniu (GWP) by pri úniku do atmosféry prisplalo ku globálnemu otepľovaniu v nižšej miere ako chladivo s vyšším GWP. Toto zariadenie obsahuje chladiacu kvapalinu s GWP rovnajúcim sa [2088]. Znamená to, že ak by do atmosféry unikol 1 kg tejto chladiacej kvapaliny, jej vplyv na globálne otepľovanie by bol [2088] krát vyšší ako vplyv 1 kg CO<sub>2</sub>, a to počas obdobia 100 rokov. Nikdy sa nepokúšajte zasahovať do chladiaceho okruhu alebo demontovať výrobok a vždy sa obráťte na odborníka.
- 2) Spotreba energie XYZ kWh za rok na základe výsledkov štandardného preskúšania. Skutočná spotreba energie bude závisieť od toho, ako sa zariadenie používa a kde je umiestnené.
- 3) Spotreba energie XYZ kWh za rok na základe výsledkov štandardného preskúšania. Skutočná spotreba energie bude závisieť od toho, ako sa zariadenie používa a kde je umiestnené.

**[ROMÂNĂ-RO]**

- 1) Scurgerea de agent frigorific contribuie la schimbările climatice. Agentul frigorific cu potențial de încălzire globală (GWP) mai scăzut va contribui mai puțin la încălzirea globală decât un agent frigorific cu GWP mai ridicat. Acest aparat conține un agent frigorific lichid cu GWP egal cu [2088]. Astă înseamnă că, dacă 1 kg din acest agent frigorific lichid se scurge în atmosferă, impactul asupra încălzirii globale va fi de [2088] ori mai ridicat decât pentru 1 kg de CO<sub>2</sub>, pe o perioadă de 100 de ani. Nu încercați niciodată să interveniți la circuitul agentului frigorific sau să demontați dvs. produsul, ci solicitați întotdeauna ajutorul unui profesionist.
- 2) Consum de energie de „XYZ“ kWh pe an, pe baza rezultatelor testelor standard. Consumul efectiv de energie va depinde de modul în care este utilizat aparatul și locul în care este plasat acesta.
- 3) Consum de energie de „XYZ“ kWh pe an, pe baza rezultatelor testelor standard. Consumul efectiv de energie va depinde de modul în care este utilizat aparatul și locul în care este plasat acesta.

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**PRODUCT FICHE (ENERGY LABELLING OF AIR CONDITIONERS)<sup>ii)</sup>**

**[БЪЛГАРСКИ-BG]**

- 1) Течовете на хладилен агент допринасят за изменението на климата. Хладилен агент с по-нисък потенциал за глобално затопляне (GWP) би допринесъл по-малко за глобалното затопляне, отколкото хладилен агент с по-висок GWP, в случай на изтичане в атмосферата. Този уред съдържа течен хладилен агент с GWP, равен на [2088].  
Това означава, че ако 1 kg от този течен хладилен агент изтече в атмосферата, въздействието върху глобалното затопляне би било [2088] пъти по-високо от 1 kg CO<sub>2</sub> за период от 100 години. Никога не се опитвайте сами да влияете върху веригата на хладилния агент или сами да разглобявате продукта, а винаги търсете специалист.
- 2) Potrošnja energije „XYZ“ kWh godišnje, na osnovu rezultata standardnog testa. Stvarna potrošnja energije zavisi od toga kako se uređaj koristi i gde je smešten. Nikoga ne se opitvajte sami da vlijajete vърху веригата на хладилниот агент или сами да разглобувате продукта, а винаги търсете специалист.
- 3) Консумация на енергия „XYZ“ kWh на година в зависимост от резултатите от стандартизираните изпитвания. Действителната консумация на енергия ще зависи от начин на използване на уреда и от местоположението му.

**[SRPSKI-SR]**

- 1) Curenje rashladnog sredstva doprinosi klimatskim promenama. Ako iscuri u atmosferu, rashladno sredstvo s nižim potencijalom globalnog zagrevanja (GWP) manje će doprineti globalnom zagrevanju nego rashladno sredstvo sa višim potencijalom globalnog zagrevanja. Ovaj uređaj sadrži rashladnu tečnost sa vrednošću GWP od [2088].  
To znači da, ako 1 kg ove rashladne tečnosti iscuri u atmosferu, uticaj na globalno zagrevanje će biti [2088] puta veći nego da iscuri 1 kg CO<sub>2</sub>, posmatrano u periodu od 100 godina. Ne pokušavajte sami da zamenite rashladno sredstvo niti da rasklopite proizvod, već uvek zatražite pomoć stručnjaka.
- 2) Potrošnja energije „XYZ“ kWh godišnje, na osnovu rezultata standardnog testa. Stvarna potrošnja energije zavisi od toga kako se uređaj koristi i gde je smešten.
- 3) Potrošnja energije „XYZ“ kWh godišnje, na osnovu rezultata standardnog testa. Stvarna potrošnja energije zavisi od toga kako se uređaj koristi i gde je smešten.

**[HRVATSKI-HR]**

- 1) Istjecanje rashladnih sredstava doprinosi klimatskim promjenama. U slučaju ispuštanja u atmosferu rashladno sredstvo s nižim potencijalom globalnog zagrijavanja (GWP) manje bi utjecalo na globalno zagrijavanje od rashladnog sredstva s višim GWP-om. Taj uređaj sadrži rashladnu tekućinu s GWP-om jednakim [2088].  
To znači da bi u slučaju istjecanja 1 kg te rashladne tekućine u atmosferu, njezin utjecaj na globalno zagrijavanje bio [2088] puta veći od utjecaja 1 kg CO<sub>2</sub> tijekom razdoblja od 100 godina. Nikada sami ne pokušavajte raditi bilo kakve zahvate na rashladnom krugu niti rastavljati proizvod i za to uvijek zovite profesionalca.
- 2) Potrošnja energije XYZ kWh na godinu, na temelju rezultata standardnih ispitivanja. Stvarna potrošnja energije ovisi o načinu uporabe uređaja i o mjestu na kojem se nalazi.
- 3) Potrošnja energije XYZ kWh na godinu, na temelju rezultata standardnih ispitivanja. Stvarna potrošnja energije ovisi o načinu uporabe uređaja i o mjestu na kojem se nalazi.

### [SHQIP-SQ]

- 1) Rrjedhja e ftohësit ndikon në ndryshimin e klimës. Ftohësi me potencial më të ulët për ngrohje globale (GWP) do të ndikonte më pak në ngrohjen globale se ftohësit me GWP më të lartë, nëse rrjedh në atmosferë. Kjo pajisje përmban lëng ftohës me GWP të barabartë me [2088]. Kjo do të thotë se nëse 1 kg i këtij lëngu ftohës rrjedh në atmosferë, ndikimi në ngrohjen globale do të jetë [2088] herë më i lartë se 1 kg CO<sub>2</sub>, gjatë një periudhe prej 100 vitesh. Mos provoni kurrë të ndërhyri vetë në qarkun e ftohësit ose ta çmontoni vetë produktin dhe kërkoni gjithmonë ndihmën e profesionistit.
- 2) Konsumi i energjisë "XYZ" kWh në vit, sipas rezultateve të testeve standarde. Konsumi real i energjisë do të varet nga mënyra e përdorimit dhe vendndodhja e pajisjes.
- 3) Konsumi i energjisë "XYZ" kWh në vit, sipas rezultateve të testeve standarde. Konsumi real i energjisë do të varet nga mënyra e përdorimit dhe vendndodhja e pajisjes.

### [МАКЕДОНСКИ-МК]

- 1) Протекувањето на разладно средство придонесува за климатските промени. Разладните средства со помал потенцијал за глобално затоплување (GWP) придонесуваат помалку за глобалното затоплување отколку разладното средство со поголем GWP, доколку протечат во атмосферата. Овој уред содржи разладна течност со GWP кој е еднаков на [2088]. Тоа значи дека ако 1 kg од оваа разладна течност протече во атмосферата, влијанието на глобалното затоплување ќе биде [2088] пати поголемо од 1 kg CO<sub>2</sub>, во период подолг од 100 години. Никогаш не се обидувајте сами да ракувате со системот за разладно средство или сами да го расклопувате производот, туку секогаш повикувајте професионалец.
- 2) Годишна потрошувачка на енергија "XYZ" kWh, врз основа на резултатите од стандардните тестирања. Вистинската потрошувачка на енергија ќе зависи од начинот на користење на уредот и местото на кое е поставен.
- 3) Годишна потрошувачка на енергија "XYZ" kWh, врз основа на резултатите од стандардните тестирања. Вистинската потрошувачка на енергија ќе зависи од начинот на користење на уредот и местото на кое е поставен.

### [SLOVENČINA-SL]

- 1) Úniky chladiva prispievajú k zmene klímy. Chladivo s nižším potenciáлом prispievania ku globálnemu oteplovaniu (GWP) by pri úniku do atmosféry prispelo ku globálному oteplovaniu v nižzej miere ako chladivo s vyšším GWP. Toto zariadenie obsahuje chladiacu kvapalinu s GWP rovnajúcim sa [2088]. Znamená to, že ak by do atmosféry unikol 1 kg tejto chladiacej kvapaliny, jej vplyv na globálne oteplovanie by bol [2088] krát vyšší ako vplyv 1 kg CO<sub>2</sub>, a to počas obdobia 100 rokov. Nikdy sa nepokúšajte zasahovať do chladiaceho okruhu alebo demontovať výrobok a vždy sa obráťte na odborníka.
- 2) Spotreba energie XYZ kWh za rok na základe výsledkov štandardného preskúšania. Skutočná spotreba energie bude závisieť od toho, ako sa zariadenie používa a kde je umiestnené.
- 3) Spotreba energie XYZ kWh za rok na základe výsledkov štandardného preskúšania. Skutočná spotreba energie bude závisieť od toho, ako sa zariadenie používa a kde je umiestnené.

## COMMISSION DELEGATED REGULATION (EU) No 626/2011<sup>i)</sup>

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### PRODUCT FICHE (ENERGY LABELLING OF AIR CONDITIONERS)<sup>ii)</sup>

#### [DANSK-DA]

- 1) Udsivning fra kølelementet er medvirkende til klimaforandringerne. Kølelementer med et lavere globalt opvarmningspotentiale (GWP) bidrager mindre til den globale opvarmning end kølelementer med et højere GWP, hvis der er udsivning i atmosfæren. Denne enhed indeholder et kølemiddel med et GWP, der svarer til [2088].  
Det betyder, at hvis der udsiver 1 kg kølemiddel i atmosfæren, kan indvirkningen på den globale opvarmning være [2088] gange højere end 1 kg CO<sub>2</sub> over en periode på 100 år. Du må ikke selv foretage ændringer i køleelementets kredsløb eller forsøge at demontere produktet. Du skal altid kontakte en fagmand.
- 2) Energiforbrug "XYZ" kWh pr. år er baseret på standardprøveresultater. Det faktiske energiforbrug afhænger af, hvordan enheden anvendes og placeringen af enheden.
- 3) Energiforbrug "XYZ" kWh pr. år er baseret på standardprøveresultater. Det faktiske energiforbrug afhænger af, hvordan enheden anvendes og placeringen af enheden.

#### [SVENSKA-SV]

- 1) Läckande köldmedium bidrar till klimatförändringen. Köldmedier med lägre global uppvärmningspotential (GWP) bidrar mindre till den globala uppvärmeningen än köldmedier med högre GWP-värde, om de skulle läcka ut i atmosfären. Den här enheten innehåller ett köldmedium med ett GWP-värde som är lika med [2088].  
Detta innebär att om 1 kg av detta köldmedium skulle läcka ut i atmosfären skulle köldmediets påverkan på den globala uppvärmeningen vara [2088] gånger högre än 1 kg CO<sub>2</sub> under en period om 100 år. Försök aldrig att göra förändringar i köldmedieslingan eller montera isär produkten på egen hand. Kontakta alltid en fackman.
- 2) Energiförbrukningen "XYZ" kWh per år baserat på standardiserade testresultat. Den faktiska energiförbrukningen beror på hur apparaten används och var den placeras.
- 3) Energiförbrukningen "XYZ" kWh per år baserat på standardiserade testresultat. Den faktiska energiförbrukningen beror på hur apparaten används och var den placeras.

#### [SUOMI-FI]

- 1) Kylmääinevuodot vaikuttavat ilmastonmuutokseen. Kylmääineen, jolla on alhaisempi ilmakehän lämmitysvaikutuspotentiali (GWP), ilmastonmuutosvaikutus olisi pienempi kuin korkeammalla GWP-arvon kylmääineen, jos kylmääinetta pääsisi ilmakehään. Tämä laite sisältää kylmääinetta, jonka GWP-arvo on [2088].  
Tämä tarkoittaa, että jos yksi kilo tästä kylmääinetta pääsisi ilmakehään, sen vaikutus ilaston lämpenemiseen olisi [2088] kertaa suurempi kuin yhdellä kilolla hiilidioksidia 100 vuoden ajanjaksolla. Älä koskaan yritä kajota kylmääinepiiriin tai purkaa tuotetta omin päin, vaan pyydä aina ammattilaisen apua.
- 2) Energiankulutus 'XYZ' kWh vuodessa laskettuna vakio-olosuhteissa. Tosiasallinen energiankulutus riippuu laitteen käyttötavoista ja laitteen sijoituksesta.
- 3) Energiankulutus 'XYZ' kWh vuodessa laskettuna vakio-olosuhteissa. Tosiasallinen energiankulutus riippuu laitteen käyttötavoista ja laitteen sijoituksesta.

### [ESTI-ET]

- 1) Jahutusaine lekkimine soodustab kliimamuutust. Väiksema globaalse soojenemise potentsiaaliga jahutusaine soodustab atmosfääri lekkimise korral globaalset soojenemist vähem kui suurema globaalse soojenemise potentsiaaliga jahutusaine. See seade sisaldab jahutusainet, mille globaalse soojenemise potentsiaal on [2088].  
See tähendab, et kui 1 kg jahutusvedeliku leiks atmosfääri, oleks selle mõju globaalsele soojenemisele 100 aasta jooksul [2088] korda suurem kui 1 kg CO<sub>2</sub> lekkimise korral. Ärge püüdke kunagi jahutusvedeliku ringet ise muuta ega toodet koost lahti võtta, vaid paluge alati professionaali abi.
- 2) Energiatarbimine XYZ kWh aastas standardsete testide tullemuste põhjal. Tegelik energiatarbimine oleneb seadme kasutamisest ja asukohast.
- 3) Energiatarbimine XYZ kWh aastas standardsete testide tullemuste põhjal. Tegelik energiatarbimine oleneb seadme kasutamisest ja asukohast.

### [LATVIEŠU-LV]

- 1) Aukstumaǵenta noplūde veicina klimata pārmaiņas. Aukstumaǵents ar zemāku globālās sasilšanas potenciālu (GWP) globālo sasilšanu veicina mazākā mērā nekā aukstumaǵents ar augstāku GWP, ja notiek no plūde atmosfērā. Šajā iekārtā izmantots aukstumaǵenta šķidrums, kura GWP atbilst [2088].  
Tas nozīmē, ka gadījumā, ja atmosfērā no plūstu 1 kg šī aukstumaǵenta šķidruma, ieteikme uz globālo sasilšanu 100 gadu laika posmā būtu [2088] reizes lielāka, salīdzinot ar 1 kg CO<sub>2</sub>. Nekādā gadījumā nemēģiniet iejaukties aukstumaǵenta kontūrā vai izjaukt izstrādājumu. Vienmēr griezieties pie speciālista.
- 2) Enerģijas patēriņš "XYZ" kWh gadā, pamatojoties uz standarta testa rezultātiem. Faktiskais enerģijas patēriņš ir atkarīgs no iekārtas lietošanas veida un tās atrašanās vietas.
- 3) Enerģijas patēriņš "XYZ" kWh gadā, pamatojoties uz standarta testa rezultātiem. Faktiskais enerģijas patēriņš ir atkarīgs no iekārtas lietošanas veida un tās atrašanās vietas.

### [LIETUVIŲ KALBA-LT]

- 1) Šaldalo protékis turi įtakos klimato kaitai. Į atmosferą ištakėjės šaldalas, kurio globalinis šiltėjimo potencialas (GWP) mažesnis, globaliniams atšilimui turi mažiau įtakos nei šaldalas, kurio GWP didesnis.  
Šiam prietaise yra šaldymo skysčio, kurio GWP lygus [2088].  
Tai reiškia, kad į atmosferą patekus 1 kg šio šaldymo skysčio, įtaka globaliniams atšilimui būtų [2088] kartus didesnė nei patekus 1 kg CO<sub>2</sub> (per 100 metų laikotarpį). Niekada nebandykite patys taisyti šaldymo grandinės arba ardyti gaminio – visada prašykite, kad tai atliktų specialistas.
- 2) „XYZ“ kWh energijos suvartojojimo per metus duomenys pagrįsti standartinio bandymo rezultatais. Faktinis energijos suvartojojimas priklauso nuo to, kaip prietaisas naudojamas ir kokioje vietoje jis yra.
- 3) „XYZ“ kWh energijos suvartojojimo per metus duomenys pagrįsti standartinio bandymo rezultatais. Faktinis energijos suvartojojimas priklauso nuo to, kaip prietaisas naudojamas ir kokioje vietoje jis yra.

## Troubleshooting

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The table below give indication about self diagnostic routine. Some of error code requires activities exclusively for Authorized Service Center.

### Outdoor unit

If an error occurs during the operation, it is displayed on the outdoor unit PCB LED, both MAIN PCB and INVERTER PCB.

No.	Meaning	Remarks	Error Code
-	Normal operation (MAIN : Indoor↔Outdoor : Green ON) (INVERTER : MAIN PCB↔INVERTER PCB : Green ON)		-
1	Unit quantity miss matching between indoor and outdoor.	Check indoor quantity setting in outdoor	E201
2	Abnormal state, no communication between Indoor and Outdoor Main PCB	Check electrical connection and setting	E202
3	1min. Time out of communication error(Main↔Inverter)	Check electrical connection and setting	E203
4	Outdoor temp sensor error	Check Outdoor sensor Open/Short	E221
5	Cond. temp sensor error	Check Cond. sensor Open/Short	E231
6	Discharge temp sensor error	Check Discharge sensor Open/Short	E251
7	OLP Sensor Error	Check OLP sensor Open/Short	E320
8	Detection of Outdoor Freezing when Comp. Stop	Check Outdoor Cond.	E403
9	Protection of Outdoor Overload when Comp. Stop	Check Comp. when it start	E404
10	Discharge temperature of a compressor in an outdoor unit is overheated.		E416
11	Heating operation is not available since the outdoor air temperature is over 30°C.	Heating	E440
	Cooling operation is not available since the outdoor air temperature is lower than -15°C.	Cooling	E441
12	Outdoor unit BLDC Fan 1 or Fan 2 error	FAN1 error FAN2 error	E458 E475
13	Comp. Starting error		E461
14	Primary Current Trip error		E462
15	Over current trip / PFC over current error	Check OLP sensor	E463
16	IPM(IGBT Module) Over Current(O.C)		E464
17	Comp. Over load error		E465
18	DC-Link voltage under/over error	Check AC Power or DC_Link voltage	E466
19	Comp. wire missing error	Check Comp. wire	E467
20	Current sensor error	Check Outdoor Inverter PBA	E468
21	Outdoor EEPROM error	Check Outdoor EEPROM data	E471
22	IPM(IGBT Module) or PFCM Temperature sensor Error	Check Outdoor Inverter PBA	E474
23	PFC Overload Error	Check Outdoor Inverter PBA	E484
24	IPM is over heated.	Check Outdoor Inverter PBA	E500
25	GAS Leak error	Check indoor and outdoor unit model	E554
26	Capacity miss match between indoor and outdoor	Check indoor and outdoor unit model	E556
27	Option code miss matching among the indoors (only for DPM)	Check indoor option code	E557
28	Outdoor EEPROM error (checksum)	Check Outdoor EEPROM data	E470

No.	Meaning	Remarks	Error Code
29	EEV or Valve Close error-Self diagnosis	1. Check if the service valve is open 2. Check for refrigerant leakage (pipe connections, heat exchanger) and charge refrigerant if necessary 3. Check if there's any blockage on refrigerant cycle (indoor unit/outdoor unit) 4. Check if additional refrigerant has been added after pipe extension	E422
30	Outdoor EEPROM checksum error between MAIN and INVERTER.	Check Outdoor Inverter PBA	E590

## Appendix

### Model specification (Dimension and weight)

Dimension and weight			
Type	Model	Net dimension (WxDxH) (mm)	Net weight(kg)
Outdoor Unit	AC026HCADKH	720*265*548	29.5
	AC035HCADKH	720*265*548	29.5
	AC052HCADKH	880*310*638	45.0
	AC060HCADKH	880*310*793	55.0
	AC071HCADKH	880*310*793	55.0
	AC052HCAPKH	880*310*793	54.0

## How to connect your extended power cables

1. Prepare a compressor and the following tools.

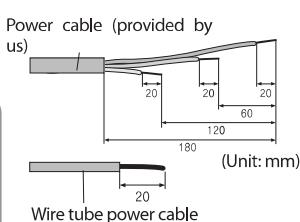
Tools	Crimping pliers	Connection sleeve (mm)	Insulation tape	Contraction tube (mm)
Spec	MH-14	20xØ6.5(HxOD)	Width 19mm	70xØ8.0(LxOD)
Shape				

2. As shown in the figure, peel off the shields from the rubber or wire of the power cable.

- Peel off 20 mm of the wire shields of the tube installed already.



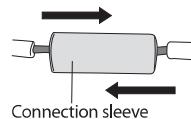
- After peeling off the tube wire, you must insert a contraction tube.
- For information about the power cable specifications for indoor and outdoor units, refer to the installation manual.



3. Insert both sides of core wire of the power cable into the connection sleeve.

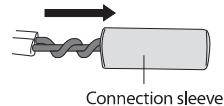
► Method 1

Push the core wire into the sleeve from both sides.



► Method 2

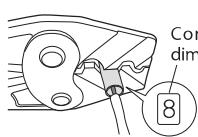
Twist the wire cores together and push it into the sleeve.



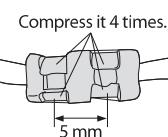
4. Using a compressor, compress the two points and flip it over and compress another two points in the same location.

- The compression dimension should be 8.0.

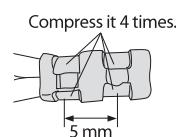
- After compressing it, pull both sides of the wire to make sure it is firmly pressed.



► Method 1



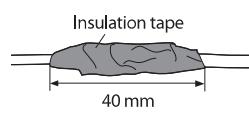
► Method 2



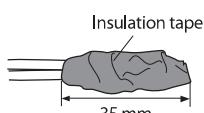
5. Wrap it with the insulation tape twice or more and position your contraction tube in the middle of the insulation tape.

A total of three or more layers of insulation is required.

► Method 1



► Method 2



6. Apply heat to the contraction tube to contract it.



7. After tube contraction work is completed, wrap it with the insulation tape to finish.



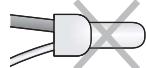
CAUTION

- Make sure that the connection parts are not exposed to outside.
- Be sure to use insulation tape and a contraction tube made of approved reinforced insulating materials that have the same level of withstand voltage with the power cable. (Comply with the local regulations on extensions.)



WARNING

- In case of extending the electric wire, please DO NOT use a round-shaped Pressing socket.
- Incomplete wire connections can cause electric shock or a fire.



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