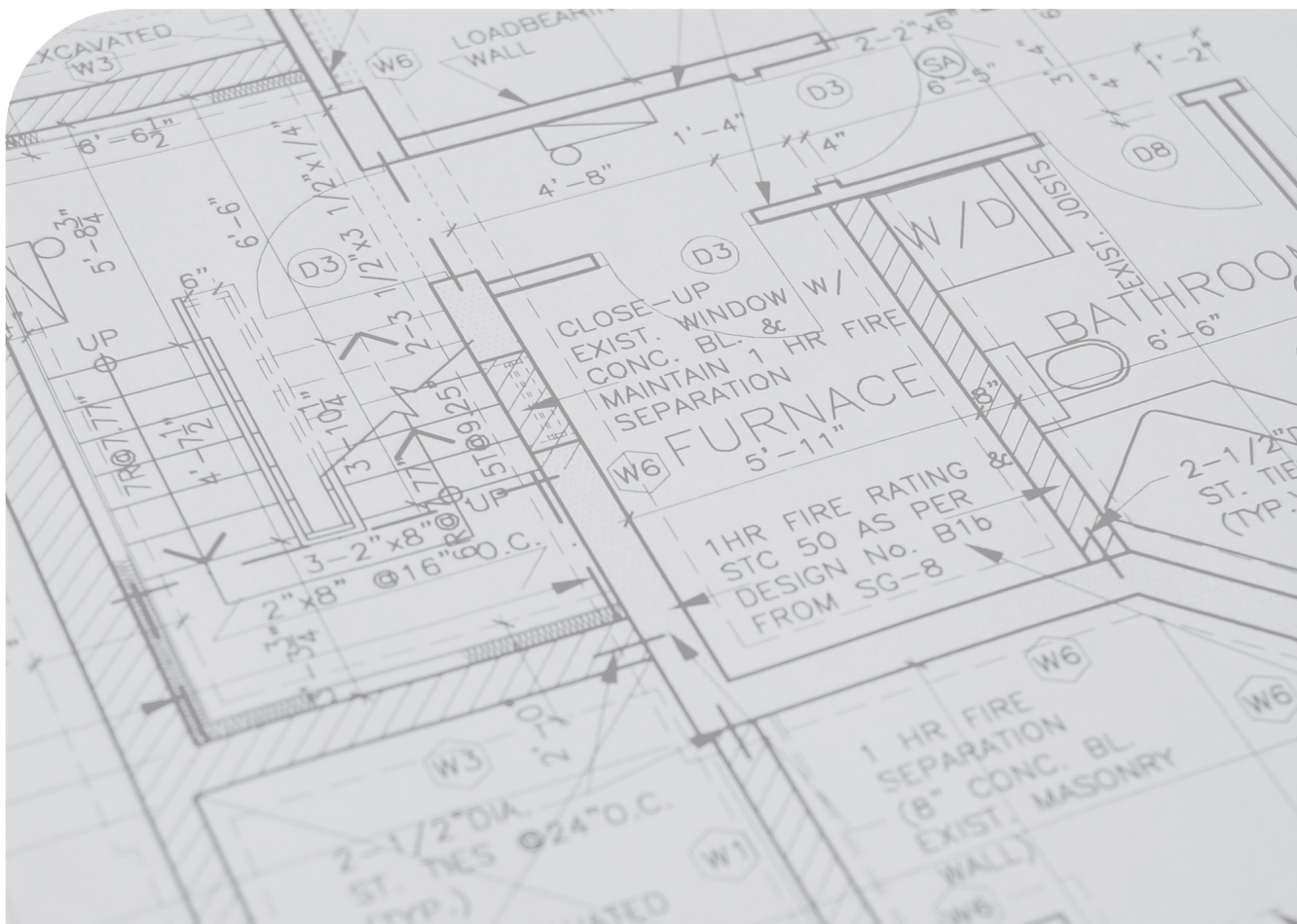


AIR CONDITIONERS

GOTHA THOR MULTI

Air conditioners in direct expansion
split single-phase inverter
reversible air to air heat pump



Air conditioners



IMMERGAS air conditioners are a range of reversible air-to-air inverter heat pumps with direct expansion, consisting of an outdoor unit and an indoor unit. They are available in both mono-split versions, with the GOTHIA and THOR series offering various power sizes and compatible with their respective wall-mounted indoor units (UI GOTHIA and UI THOR), as well as in multisplit versions with the MULTI series. The MULTI series is ideal for configurations from 1 to 5 indoor units, allowing for dozens of possible combinations to ensure maximum flexibility. For pairing with the outdoor units of the MULTI series (UE MULTI), several indoor unit options are available:

- UI GOTHIA & UI THOR – wall-mounted indoor units;
- UI CAS – cassette indoor unit for recessed installation in suspended ceilings;
- UI DUCT – ducted indoor unit for concealed or suspended ceiling installation;
- UI SP – indoor unit for ceiling or floor installation;
- UI CONS – console indoor unit for installation in compact vertical spaces.

All air conditioners operate on a single-phase power supply and come standard with an ambient temperature control device to set various available functions.

As direct expansion systems, all models in the range use R32 refrigerant, which has a low environmental impact. Since there is no water outside the home, there is no risk of pipe freezing, making these air conditioners particularly suitable even for cold climates. A single product can provide heating in winter and cooling in summer, ensuring optimal comfort in the home all year round.

Since refrigerant connections must be made between the outdoor and indoor units, installation requires an F-GAS certification.

IMMERGAS air conditioners also comply with the requirements of the ErP Directive (2009/125/EC) and the ELD Directive (2010/30/EC). Several optional kits are available to further enhance installation flexibility.



Monosplit

1

MONOSPLIT AIR CONDITIONERS FEATURES: GOTH A AND THOR

Direct expansion “split” inverter reversible single phase air to air heat pumps, consisting of an outdoor unit and an indoor unit. There is a separate code for the outdoor and indoor unit.

Main components:

- **Outdoor unit** (UE GOTH A/UE THOR) which mainly includes rotary compressor, inverter electronics, throttle capillary, 4-way valve for cycle inversion, finned exchange coil with outdoor air (with single fan). The cooling circuit is already preloaded (refrigerant R32); it is equipped with shut-off valves for the R32 circuit;
- **Indoor unit** (UI GOTH A/UE THOR), split with wall-mounted direct expansion, containing the rest of the components of the cooling circuit for connection to the outdoor unit, as well as the relative management and communication electronics;

Main specifications:

- Air purification ioniser, it electrically charges the molecules of the gases in the air. The generated ions attract and link to the micro-particles suspended in the air, thus purifying the air in the room (GOTH A only);
- Breeze Away function to prevent an air draught directly to the body, thus providing greater comfort (THOR only);
- Standard infrared remote control for system operation (batteries included);
- Wi-Fi module for remote control via standard CLIMAsmart app (optional for THOR);
- no risk of pipes freezing (important in cold climates);
- Wide range of operation in cooling (up to an outdoor temperature of 50°C) and in heating (down to an outdoor temperature of -20°C);
- Back lit pop-up display on indoor unit;

- Standard installation template;
- Possibility of setting a time range, so that air-conditioning automatically switches on and off;
- The Swing function automatically oscillates the horizontal fins of the indoor unit to vertically direct the air flow (manual vertical fins);
- Dual level energy-saving mode: ECO and GEAR;
- Nighttime energy saving via sleep function;
- Automatic cleaning function for the indoor unit to remove potential bacteria;
- To quickly reach the room setpoint, Turbo mode can be activated to reach the maximum air flow rate;
- Very quiet operation thanks to the Silence function that reduces noise to a minimum;
- Maximum comfort by means of the Follow Me function to be able to read the room temperature near the remote control.

Available in models:

- | | |
|-------------------------------|---------------|
| • UI GOTH A 9 | cod. 3.035039 |
| to be coupled to UE GOTH A 9 | cod. 3.035040 |
| • UI GOTH A 12 | cod. 3.035041 |
| to be coupled to UE GOTH A 12 | cod. 3.035042 |
| • UI THOR 9 | cod. 3.035031 |
| to be coupled to UE THOR 9 | cod. 3.035032 |
| • UI THOR 12 | cod. 3.035033 |
| to be coupled to UE THOR 12 | cod. 3.035034 |
| • UI THOR 18 | cod. 3.035035 |
| to be coupled to UE THOR 18 | cod. 3.035036 |
| • UI THOR 24 | cod. 3.035037 |
| to be coupled to UE THOR 24 | cod. 3.035038 |

EC Declaration Of Conformity.



UI GOTH A and UE GOTH A



UI THOR and UE THOR



Direct expansion “split” inverter reversible single phase air to air heat pumps, consisting of an outdoor unit and an indoor unit. There is a separate code for the outdoor and indoor unit.

Main components:

- **Outdoor unit** which mainly includes rotary compressor, inverter electronics, throttle valve, 4-way valve for cycle inversion, finned exchange coil with outdoor air (with single fan). The cooling circuit is already preloaded (refrigerant R32); it is equipped with shut-off valves for the R32 circuit. Various versions and power outputs are available:
 - **UE MULTI 18 DUAL**, can be coupled to up to 2 indoor units;
 - **UE MULTI 21 TRIAL**, can be coupled to up to 3 indoor units;
 - **UE MULTI 27 TRIAL**, can be coupled to up to 3 indoor units;
 - **UE MULTI 28 QUADRI**, can be coupled to up to 4 indoor units;
 - **UE MULTI 36 QUADRI**, can be coupled to up to 4 indoor units;
 - **UE MULTI 42 PENTA**, can be coupled to up to 5 indoor units;
- **Indoor unit** with direct expansion, containing the rest of the components of the cooling circuit for connection to the outdoor unit, as well as the relative management and communication electronics. Several internal units with different power outputs can be coupled, with the possibility of coupling different types of internal units simultaneously to the same outdoor unit:
 - **UI GOTHA & UI THOR**, indoor unit for wall installation;
 - **UI CAS**, cassette indoor unit for recessed or false ceiling installation;
 - **UI DUCT**, ductable medium head indoor unit for recessed or false ceiling installation;
 - **UI SP**, indoor unit for ceiling or floor installation;
 - **UI CONS**, console indoor unit for vertical confined spaces;

Main specifications:

- Standard infrared remote control to control the system (except for UI DUCT, batteries included);
- Standard wired LCD panel for system control (UI DUCT only)
- Wi-Fi module for remote control via CLIMAsmart app (optional);
- no risk of pipes freezing (important in cold climates);
- Wide range of operation in cooling (up to an outdoor temperature of 50°C) and in heating (down to an outdoor temperature of -15°C);
- Back lit pop-up display on UI THOR;
- Standard installation template;

- Possibility of setting a time range, so that air-conditioning automatically switches on and off;
- The Swing function (except for UI DUCT) automatically oscillates the horizontal fins of the indoor unit to vertically direct the air flow (manual vertical fins);
- Nighttime energy saving via sleep function;
- To quickly reach the room setpoint, Turbo mode can be activated to reach the maximum air flow rate;
- Maximum comfort by means of the Follow Me function to be able to read the room temperature near the temperature control device.

The outdoor unit is available in models:

• UE MULTI 18 DUAL	cod. 3.035043
• UE MULTI 21 TRIAL	cod. 3.035044
• UE MULTI 27 TRIAL	cod. 3.035045
• UE MULTI 28 QUADRI	cod. 3.035046
• UE MULTI 36 QUADRI	cod. 3.035047
• UE MULTI 42 PENTA	cod. 3.035048

The indoor unit is available in models:

• UI GOTHA 9	cod. 3.035039
• UI GOTHA 12	cod. 3.035041
• UI THOR 9	cod. 3.035031
• UI THOR 12	cod. 3.035033
• UI THOR 18	cod. 3.035035
• UI THOR 24	cod. 3.035037
• UI CAS 9*	cod. 3.035049
• UI CAS 12*	cod. 3.035050
• UI CAS 18*	cod. 3.035051
• UI DUCT 9	cod. 3.035053
• UI DUCT 12	cod. 3.035054
• UI DUCT 18	cod. 3.035055
• UI SP 18	cod. 3.035059
• UI CONS 9	cod. 3.035056
• UI CONS 12	cod. 3.035057
• UI CONS 18	cod. 3.035058

EC Declaration Of Conformity.

**To be installed with the cassette frame kit code 3.035052*



GOTHA

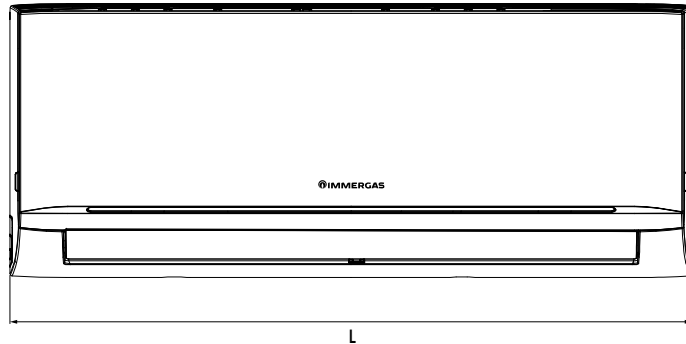
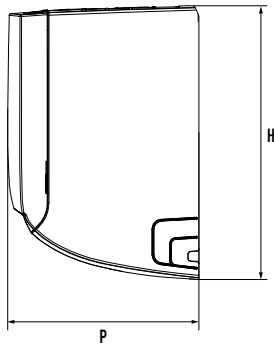
3

GOTHA DIMENSIONS AND CONNECTIONS

Model
UI GOTHA

LP (Liquid refrigerant) R32
1/4" (6.35 mm)

GP (Gas refrigerant) R32
3/8" (9.52 mm)

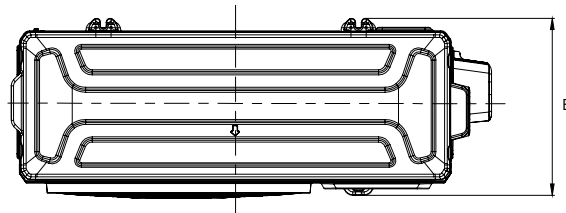
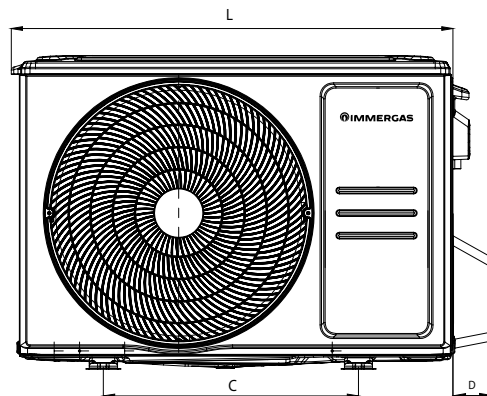
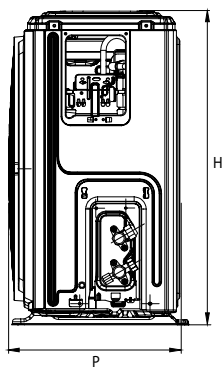


Model	Dimensions HxWxD [mm]	Net weight [Kg]	Condensate drain [mm]
UI GOTHA 9	296x805x205	8.7	16
UI GOTHA 12	296x805x205	8.7	16

Model
UE GOTHA

LP (Liquid refrigerant) R32
1/4" (6.35 mm)

GP (Gas refrigerant) R32
3/8" (9.52 mm)



Model	Dimensions [mm]						Net weight [Kg]	Exhaust condensate [mm]
	H	L	P	C	D	E		
UE GOTHA 9	555	765	303	452	70	314	26.4	16
UE GOTHA 12	555	765	303	452	70	314	26.4	16

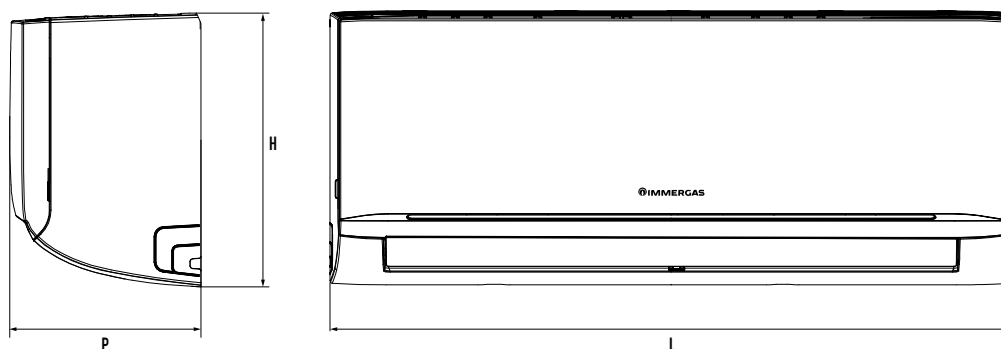


THOR

4

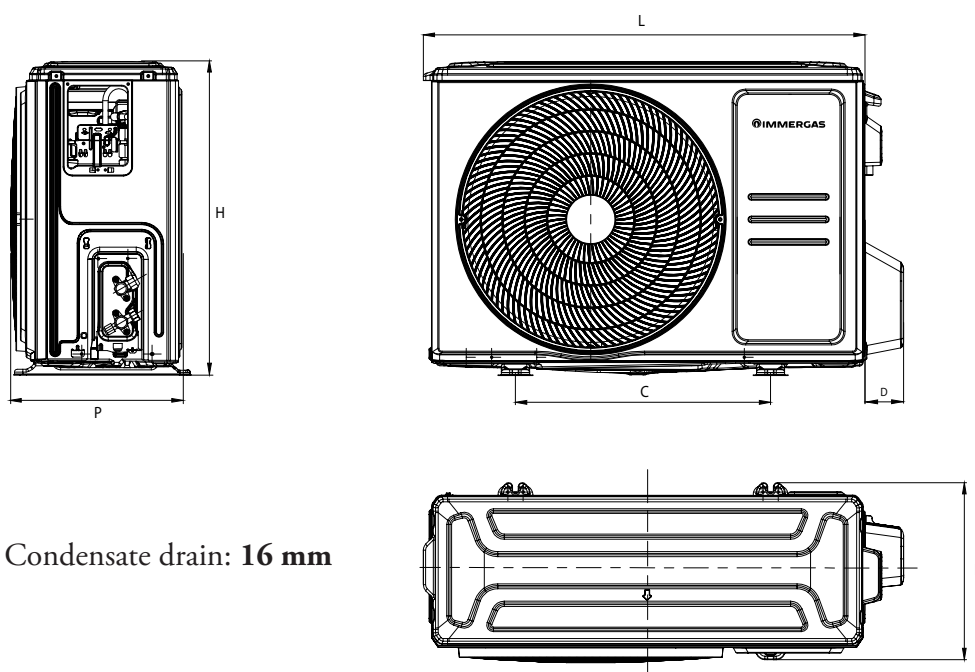
THOR DIMENSIONS AND CONNECTIONS

Model UI THOR



Model	Dimensions HxLxD [mm]	Liquid refrigerant R32	Gas refrigerant R32	Net weight [Kg]	Condensate drain [mm]
UI THOR 9	292x729x204	1/4"(6.35 mm)	3/8"(9.52 mm)	8.0	16
UI THOR 12	296x805x205	1/4"(6.35 mm)	3/8"(9.52 mm)	8.7	16
UI THOR 18	321x971x230	1/4"(6.35 mm)	1/2"(12.7 mm)	11.2	16
UI THOR 24	337x1082x234	3/8"(9.52 mm)	5/8"(15.9 mm)	13.6	16

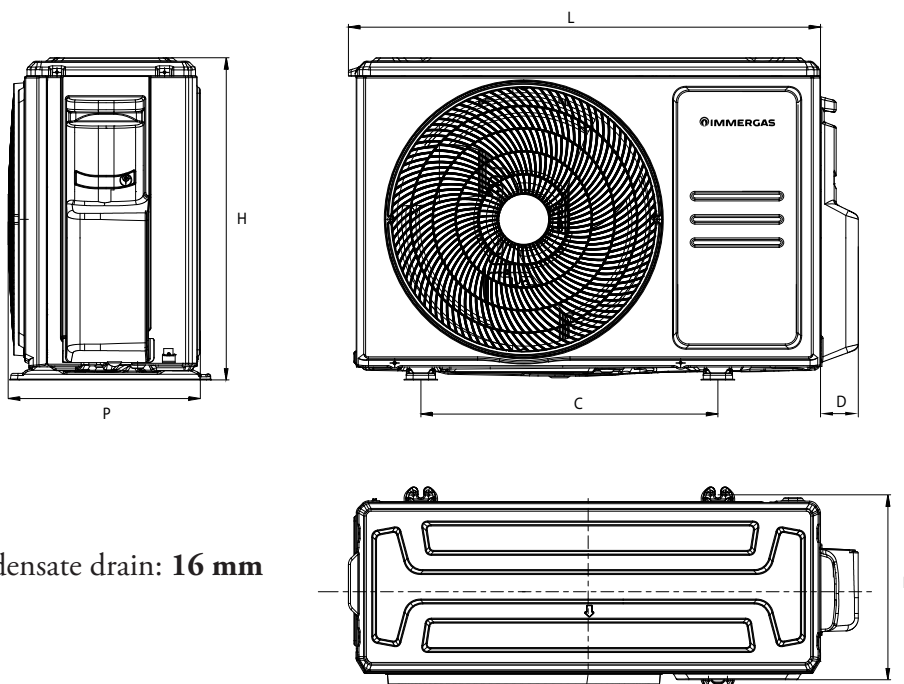
Model UE THOR



Model	Dimensions [mm]						Liquid refrigerant R32	Gas refrigerant R32	Net weight [Kg]
	H	L	P	C	D	E			
UE THOR 9	495	720	270	452	70	281	1/4"(6.35 mm)	3/8"(9.52 mm)	23.5
UE THOR 12	495	720	270	452	70	281	1/4"(6.35 mm)	3/8"(9.52 mm)	23.7
UE THOR 18	554	805	330	511	69	346	1/4"(6.35 mm)	1/2"(12.7 mm)	33.5
UE THOR 24	673	890	342	663	65	380	3/8"(9.52 mm)	5/8"(15.9 mm)	43.9



Model
UE MULTI

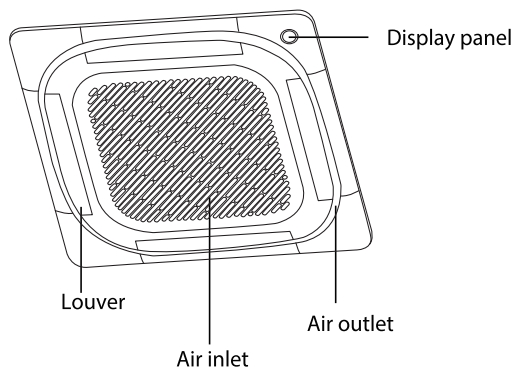


Model	Dimensions [mm]						Liquid refrigerant R32	Gas refrigerant R32	Net weight [Kg]
	H	L	P	C	D	E			
UE MULTI 18 DUAL	554	805	330	511	65	317	2 x 1/4"	2 x 3/8"	35.0
UE MULTI 21 TRIAL	673	890	342	663	100	348	3 x 1/4"	3 x 3/8"	43.3
UE MULTI 27 TRIAL	673	890	342	663	100	348	3 x 1/4"	3 x 3/8"	48.0
UE MULTI 28 QUADRI	810	946	410	673	88	403	4 x 1/4"	3 x 3/8" 1 x 1/2"	62.1
UE MULTI 36 QUADRI	810	946	410	673	88	403	4 x 1/4"	3 x 3/8" 1 x 1/2"	68.8
UE MULTI 42 PENTA	810	946	410	673	88	403	5 x 1/4"	4 x 3/8" 1 x 1/2"	74.1

Multisplit

5.1

UI CAS DIMENSIONS AND CONNECTIONS

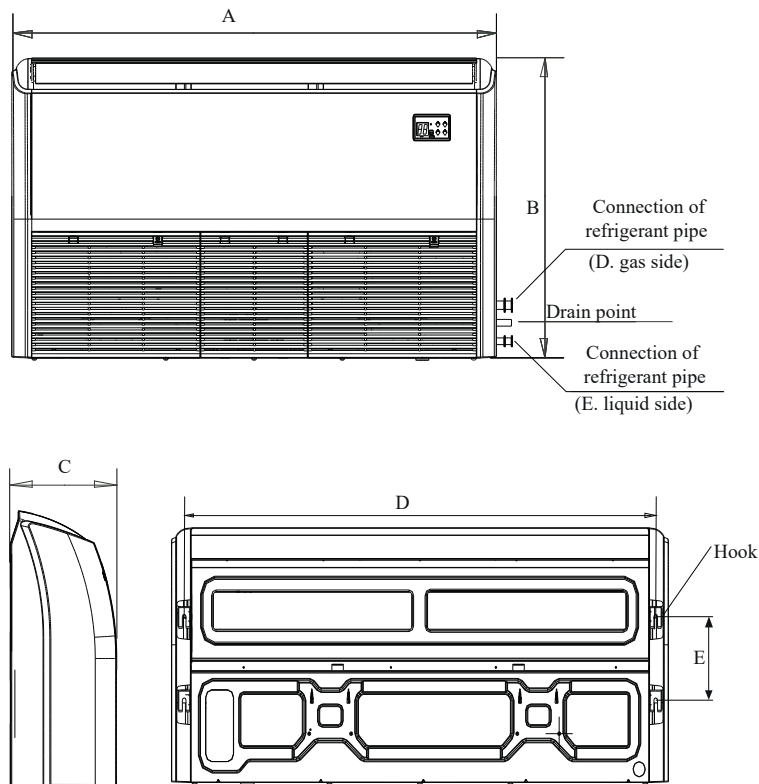


Model	Dimensions HxLxD [mm]	Liquid refrigerant R32	Gas refrigerant R32	Net weight [Kg]	Condensate drain [mm]
UI CAS 9	245x570x570	1/4"(6.35 mm)	3/8"(9.52 mm)	14.5	25
UI CAS 12		1/4"(6.35 mm)	3/8"(9.52 mm)	16.1	
UI CAS 18		1/4"(6.35 mm)	1/2"(12.7 mm)	16.2	

N.B: for installation of all UI CAS models, the relative Cassette frame kit must be provided, sized 620x620x50 mm.

5.2

UI SP DIMENSIONS AND CONNECTIONS

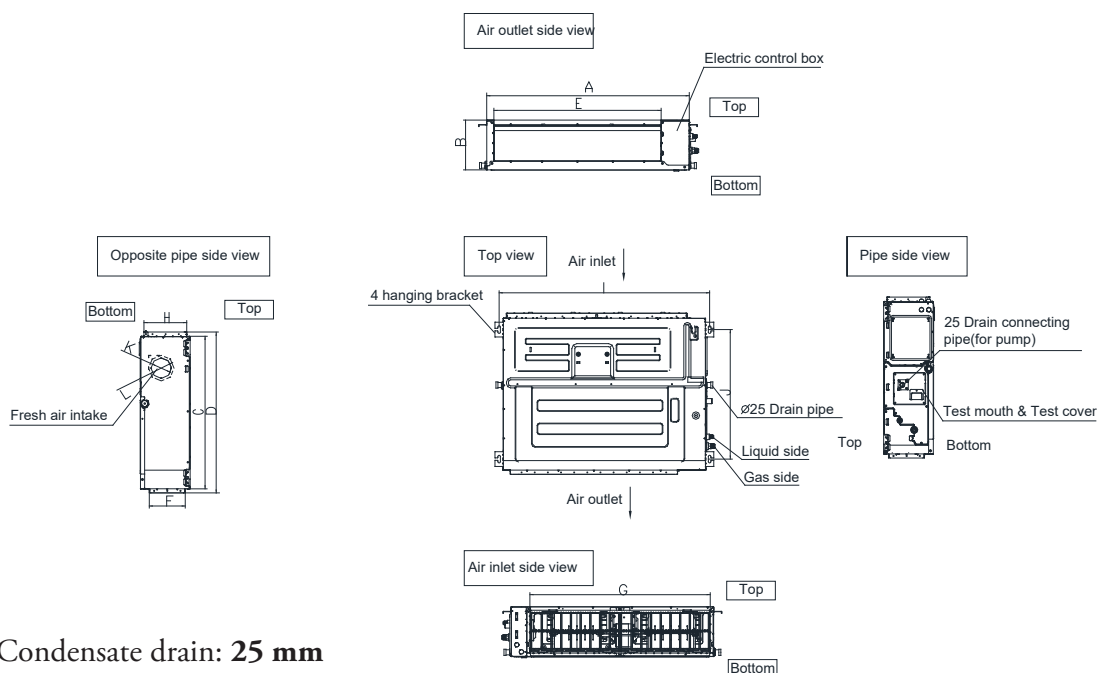


Model	Dimensions [mm]					Liquid refrigerant R32	Gas refrigerant R32	Net weight [Kg]	Condensate drain [mm]
	A	B	C	D	E				
UI SP 18	1068	675	235	983	220	1/4"(6.35 mm)	1/2"(12.7 mm)	28.0	32



5.3

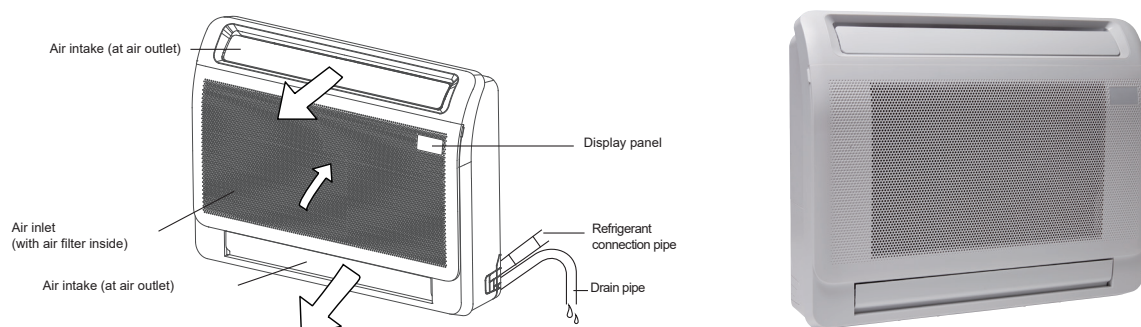
UI DUCT DIMENSIONS AND CONNECTIONS



Model	Contour dimensions [mm]				Air flow opening dimensions [mm]		Air intake opening dimensions [mm]		Support brackets centre distance [mm]		LP R32 pipes	GP R32 pipes	Net weight [Kg]
	A	B	C	D	E	F	G	H	I	J			
UI DUCT 9	700	200	450	506	537	152	599	186	741	360	1/4"(6.35 mm)	3/8"(9.52 mm)	16.6
UI DUCT 12													
UI DUCT 18	700	245	750	795	527	178	592	212	740	640	1/4"(6.35 mm)	1/2"(12.7 mm)	24.4

5.4

UI CONS DIMENSIONS AND CONNECTIONS



Model	Dimensions HxLxD [mm]	Liquid refrigerant R32	Gas refrigerant R32	Net weight [Kg]	Condensate drain [mm]
UI CONS 9	621x794x200	1/4"(6.35 mm)	3/8"(9.52 mm)	14.9	16
UI CONS 12		1/4"(6.35 mm)	3/8"(9.52 mm)		
UI CONS 18		1/4"(6.35 mm)	1/2" (12.7 mm)		

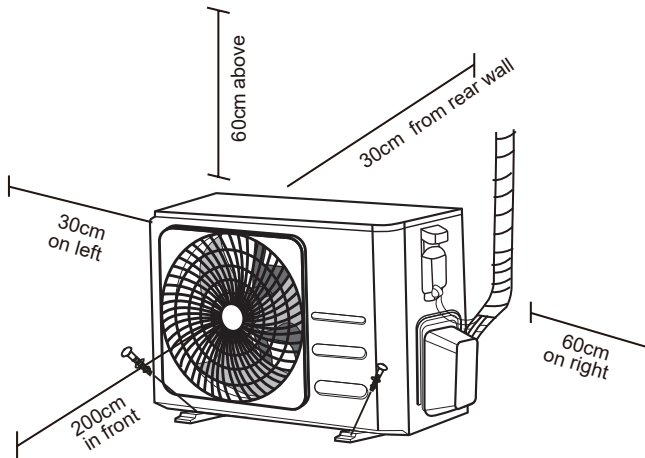


Air conditioners

6

MINIMUM OUTDOOR UNIT INSTALLATION DISTANCES

Install the unit following the codes and local regulations, as there could be slight differences between different regions.



Outdoor unit positioning

Before installing the outdoor unit, choose an appropriate position. The following standards will help you to choose an appropriate position for the unit.

Correct installation positions meet the following standards:

- ✓ Meets all the space requirements shown in the image below.
- ✓ Good air and ventilation flow.
- ✓ The product must be installed in a stable place that can support the unit and does not vibrate.
- ✓ Protected against extended periods of sunlight or rain.
- ✓ If a lot of snow is expected, take appropriate measures to prevent the buildup of ice.

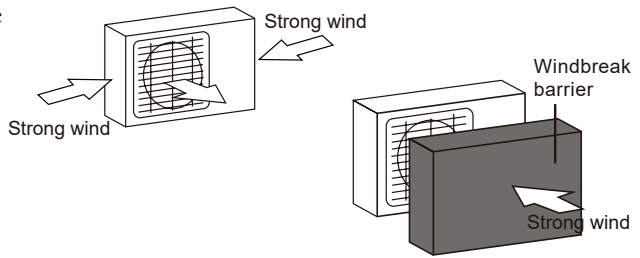
DO NOT install the unit in the following places:

- ✗ Close to an obstacle that blocks the air inlets and outlets
- ✗ Close to a public road or crowded areas
- ✗ Close to installations that could be damaged by hot air exhaust
- ✗ Close to any source of combustible gas
- ✗ In areas exposed to a large amount of dust

Special considerations for extreme climatic conditions

If the unit is exposed to strong wind:

Install the unit so that the air outlet fan is at a right angle with respect to the wind direction. If necessary, build a barrier in front of the unit to protect it against extremely strong winds.

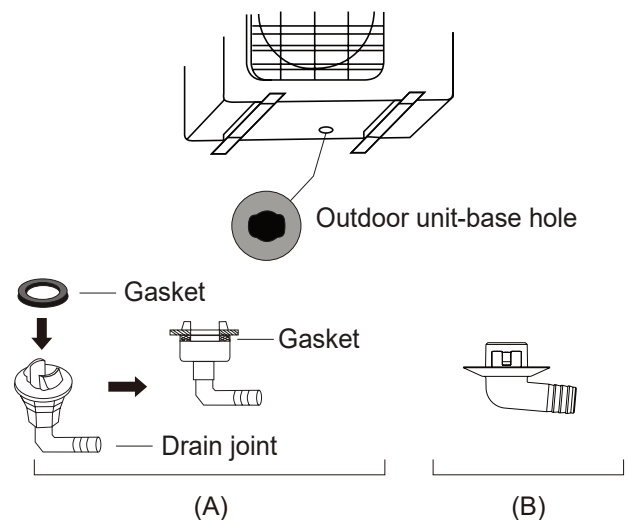


Condensate draining

Before bolting the outdoor unit, install a drainage joint at the bottom.

The drainage joint is equipped with a rubber gasket. Install it as follows:

1. Mount the rubber gasket at the end of the drainage joint that will be connected to the outdoor unit.
2. Insert the drainage joint into the hole of the base tank of the unit.
3. Rotate the drainage joint 90° until it clicks in position towards the front side of the unit.
4. Connect a drain pipe extension (not included) to the drainage joint to re-channel the water from the unit during heating.



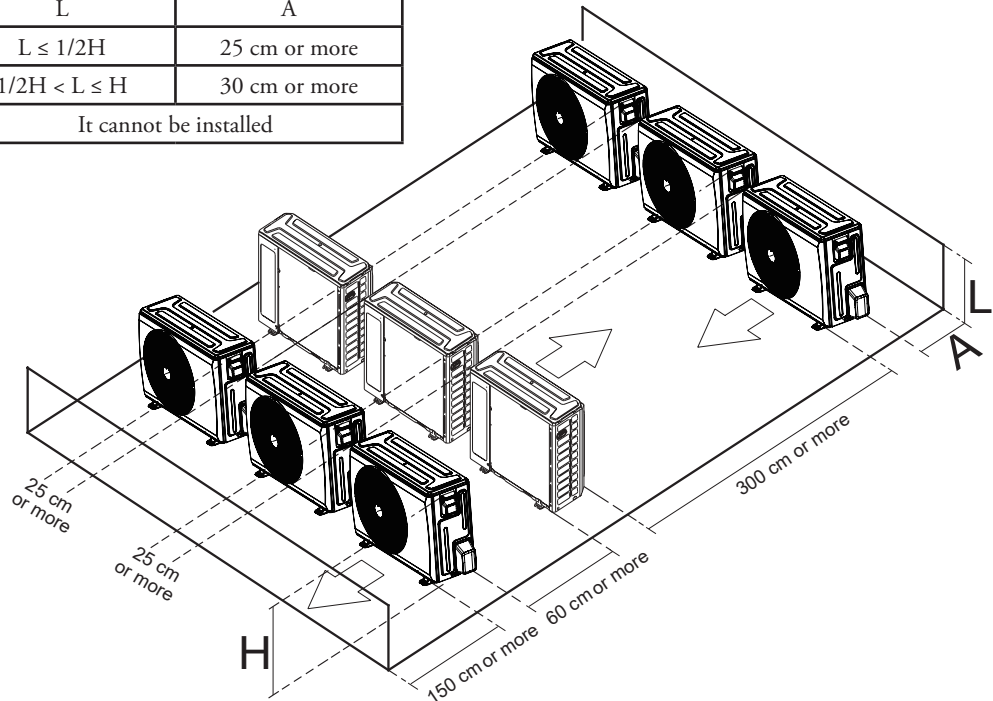
Air conditioners

MINIMUM OUTDOOR UNIT INSTALLATION DISTANCES (CONTINUED)

Minimum installation distances in rows of several outdoor units

The relations between H, A and L are the following.

	L	A
$L \leq H$	$L \leq 1/2H$	25 cm or more
	$1/2H < L \leq H$	30 cm or more
$L > H$	It cannot be installed	



6.1

UI GOTH & UI THOR MINIMUM INSTALLATION DISTANCES

Before installing the indoor unit, choose an appropriate place. The following standards will help you to choose an appropriate position for the unit.

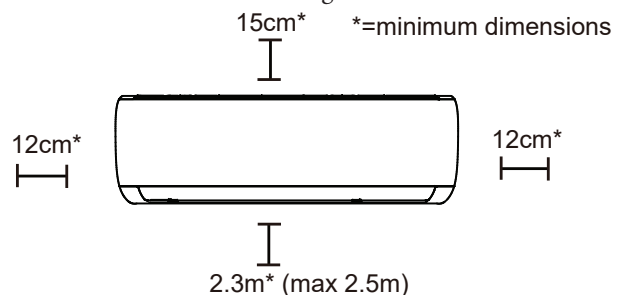
Correct installation places meet the following standards:

- ✓ Good air flow
- ✓ Single drainage
- ✓ Make sure that the support can bear the weight of the unit and does not vibrate.
- ✓ A position at least 1 m from all other electric devices (e.g. TV, radio, computer)

DO NOT install the unit in the following places:

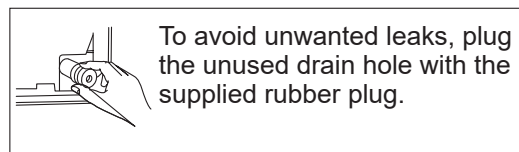
- ✗ Close to any source of heat, vapour or combustible gas
- ✗ Close to flammable objects such as curtains and clothing
- ✗ Close to any obstacle they can block the air circulation
- ✗ Near the door
- ✗ In a place under direct sunlight

Refer to the following diagram to check the correct distance from the wall and from the ceiling:



Condensate draining

By default, the drain pipe is connected on the right side of the unit (looking at the unit from the front). However, it can also be connected on the left side.



6.2

UI CAS MINIMUM INSTALLATION DISTANCES

Before installing the indoor unit, choose an appropriate position. The following standards will help you to choose an appropriate position for the unit.

The appropriate installation positions meet the following standards:

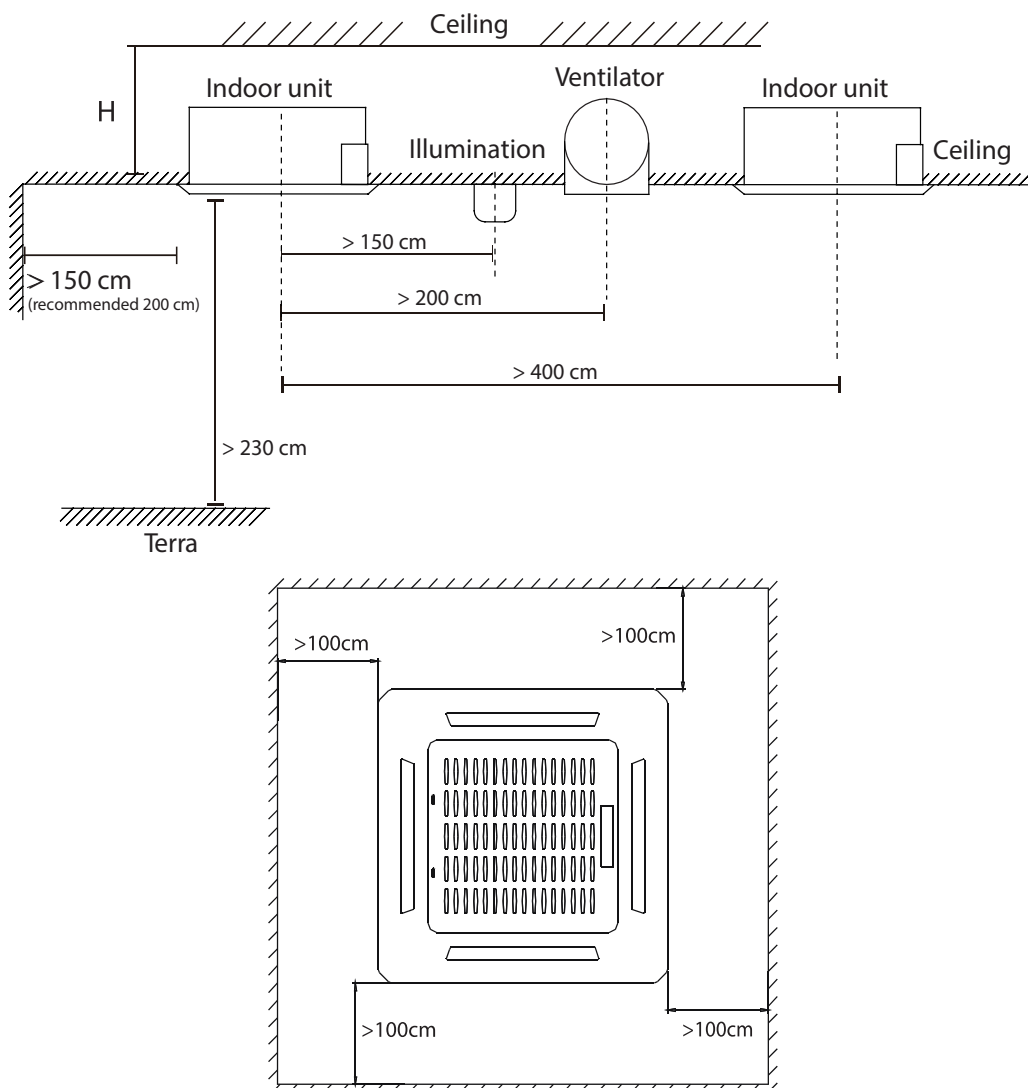
- ✓ There is sufficient clearance space for installation and maintenance.
- ✓ There is sufficient space to connect the pipes of the cooling circuit and condensate drain.

- ✓ The ceiling is horizontal and its structure can bear the weight of the indoor unit.
- ✓ The air inlet and outlet are not blocked.
- ✓ There is no direct radiation from heaters.

NOTE:

The frame panel must be installed after the pipes and wiring have been completed; the distance H must be at least 29 cm.

Minimum distances to be followed

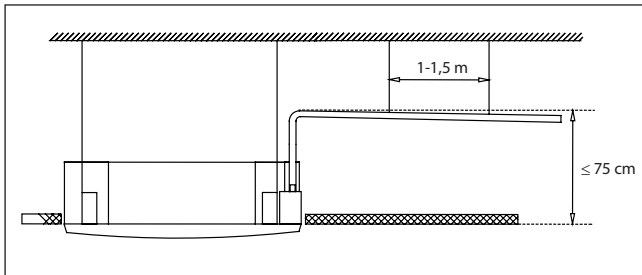


UI CAS MINIMUM INSTALLATION DISTANCES (CONTINUED)

Installation of condensate drain pipes

Install the drain pipe as shown in the figure below. It requires a polyethylene pipe not supplied as per standard.

- When using an extended drain pipe, tighten the internal connection with an additional protective tube to keep it from slackening.
- The drain pipe must have a downward slope of at least 1/100 to prevent the water from flowing back into the air conditioners.
- Fasten the pipe every 1-1.5 m to prevent it from collapsing.

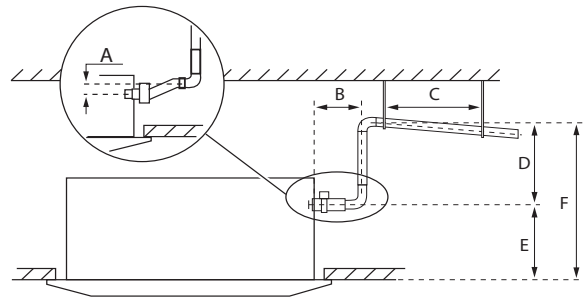


Installation of several condensate drains in series

When connecting several drain pipes, install them as shown in the figure below. The outlet of the drain pipe must be at least 5 cm from the ground. If it touches the ground, the unit could

KEY:

- | | |
|---------------|------------|
| A. 0 - 75 mm | D. ≤ 53 cm |
| B. ≥ 10 cm | E. 22 cm |
| C. 1 - 1,5 cm | F. ≤ 75 cm |

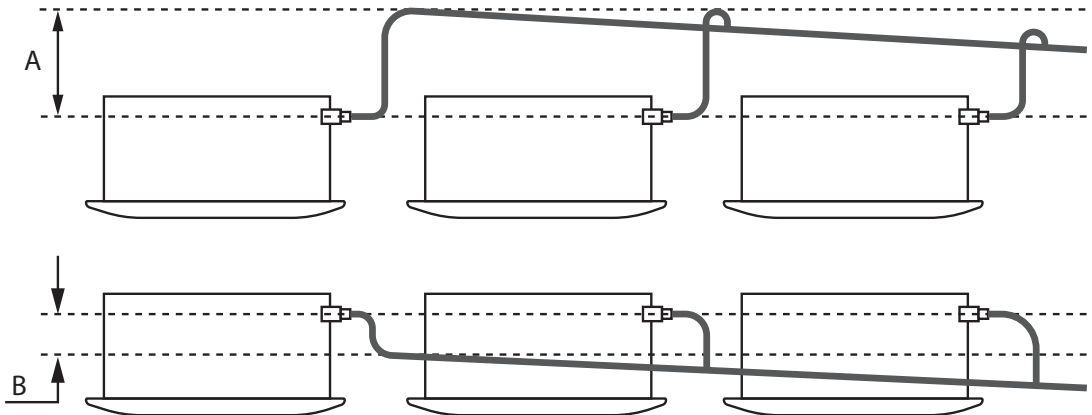


block and lead way to malfunctioning.

If the water is drained directly into a sewer, make sure that the drain has a siphon to prevent odours from entering the home.

KEY:

- | |
|--------------|
| A. 0 - 53 cm |
| B. ≥ 10 cm |



UI DUCT

6.3

UI DUCT MINIMUM INSTALLATION DISTANCES

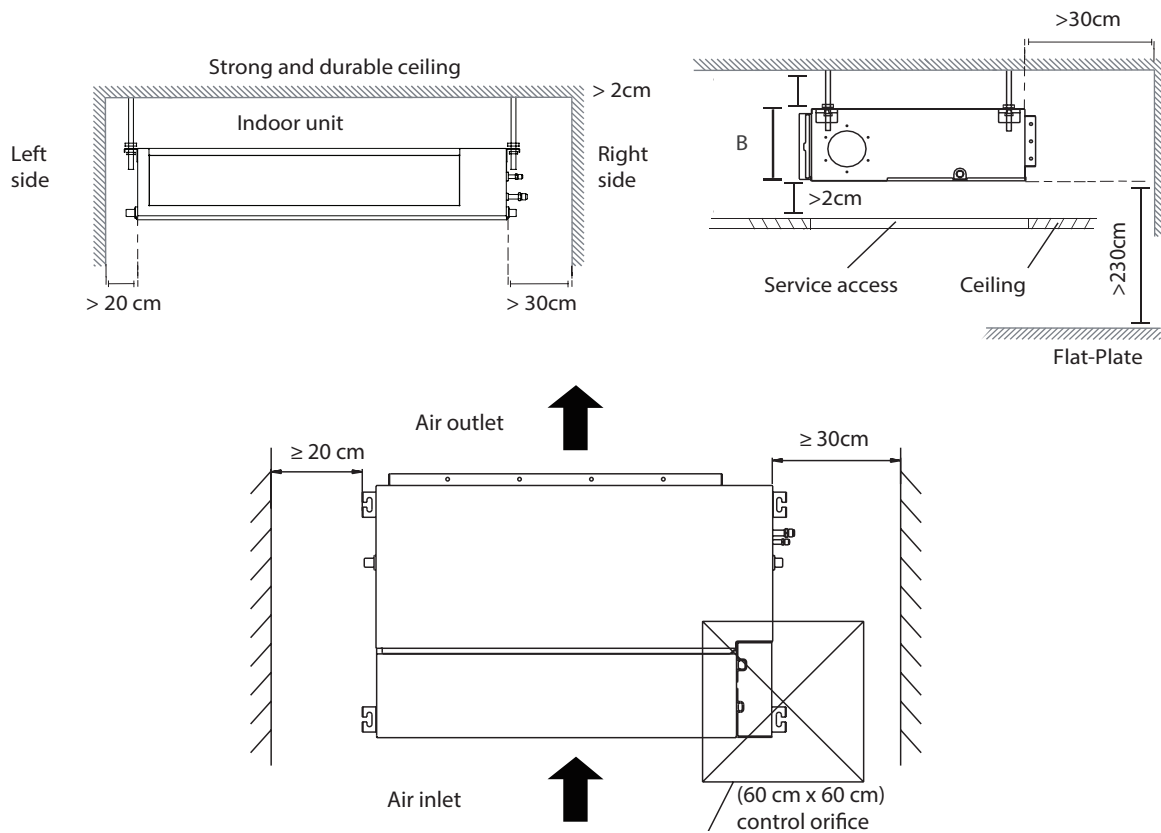
Before installing the indoor unit, choose an appropriate place. The following standards will help you to choose an appropriate position for the unit.

Correct installation places meet the following standards:

- ✓ There is sufficient clearance space for installation and maintenance.
- ✓ There is sufficient space for connecting the pipes and the condensate drain pipe

- ✓ The ceiling is horizontal and its structure can bear the weight of the indoor unit
- ✓ The air inlet and outlet are not blocked.
- ✓ The air flow is suited to the dimensions of the room.
- ✓ There is no direct radiation from heaters.

Minimum distances to be followed

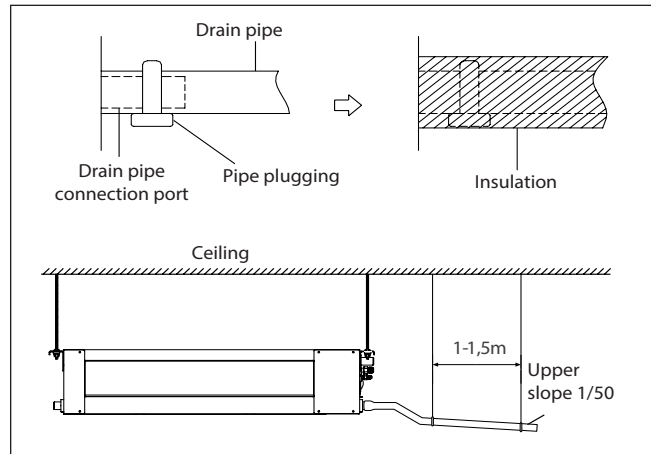
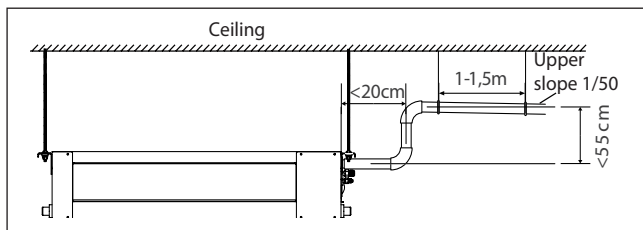


UI DUCT MINIMUM INSTALLATION DISTANCES (CONTINUED)

Installation of condensate drain pipes

Install the drain pipe as shown in the figure below. . It requires a polyethylene pipe not supplied as per standard.

- When using an extended drain pipe, tighten the internal connection with an additional protective tube to keep it from slackening.
- The drain pipe must have a downward slope of at least 1/50 to prevent the water from flowing back into the air conditioners.
- Fasten the pipe every 1-1.5 m to prevent it from collapsing.



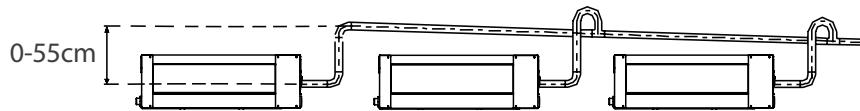
Installation of several condensate drains in series

When connecting several drain pipes, install them as shown in the figure below. The outlet of the drain pipe must be at least 5 cm from the ground. If it touches the ground, the unit could

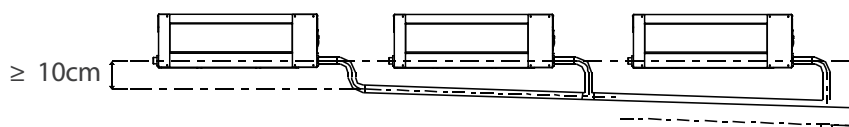
block and lead way to malfunctioning.

If the water is drained directly into a sewer, make sure that the drain has a siphon to prevent odours from entering the home.

Unit with pump



Unit without pump



6.4

UI SP MINIMUM INSTALLATION DISTANCES

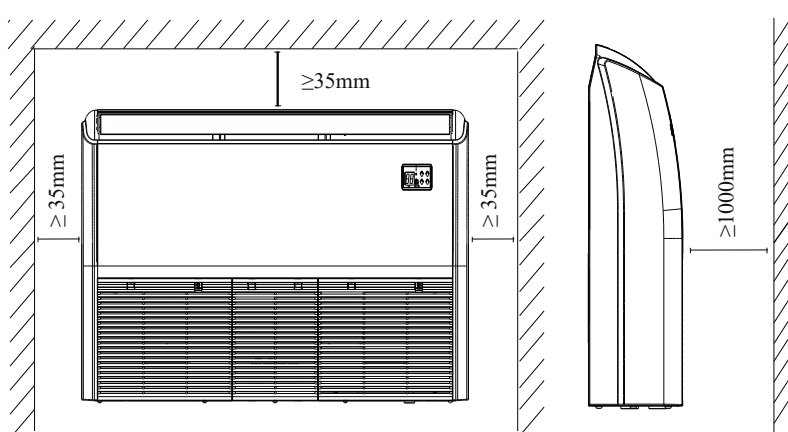
Before installing the indoor unit, choose an appropriate place. The following standards will help you to choose an appropriate position for the unit.

Correct installation places meet the following standards:

- ✓ There is sufficient clearance space for installation and maintenance.
- ✓ There is sufficient space for connecting the pipes and the condensate drain pipe

- ✓ The ceiling is horizontal and its structure can bear the weight of the indoor unit
- ✓ The air inlet and outlet are not blocked.
- ✓ The air flow is suited to the dimensions of the room.
- ✓ There is no direct radiation from heaters.

Minimum distances to be followed

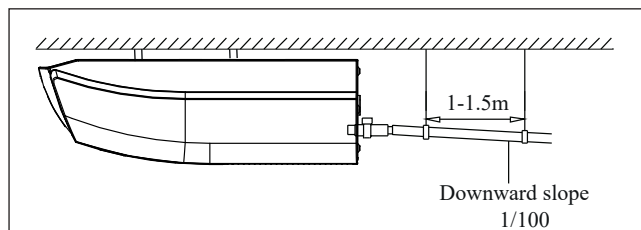


Installation of internal drain pipes

Install the drain pipe as shown in the figure below. It requires a polyethylene pipe not supplied as per standard.

- When using an extended drain pipe, tighten the internal connection with an additional protective tube to keep it from slackening.
- The drain pipe must have a downward slope of at least 1/100 to prevent the water from flowing back into the air conditioners.
- Fasten the pipe every 1-1.5 m to prevent it from collapsing.

- An incorrect installation can cause water backflow into the unit and flooding.

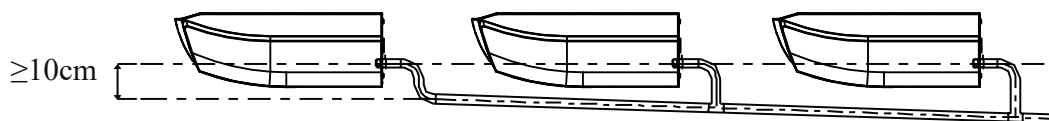


Installation of several condensate drains in series

When connecting several drain pipes, install them as shown in the figure below. The outlet of the drain pipe must be at least 5 cm from the ground. If it touches the ground, the unit could

block and lead way to malfunctioning.

If the water is drained directly into a sewer, make sure that the drain has a siphon to prevent odours from entering the home.



6.5

UI CONS MINIMUM INSTALLATION DISTANCES

Before installing the indoor unit, choose an appropriate position. The following standards will help you to choose an appropriate position for the unit.

The appropriate installation positions meet the following standards:

✓ There is sufficient clearance space for installation and maintenance.

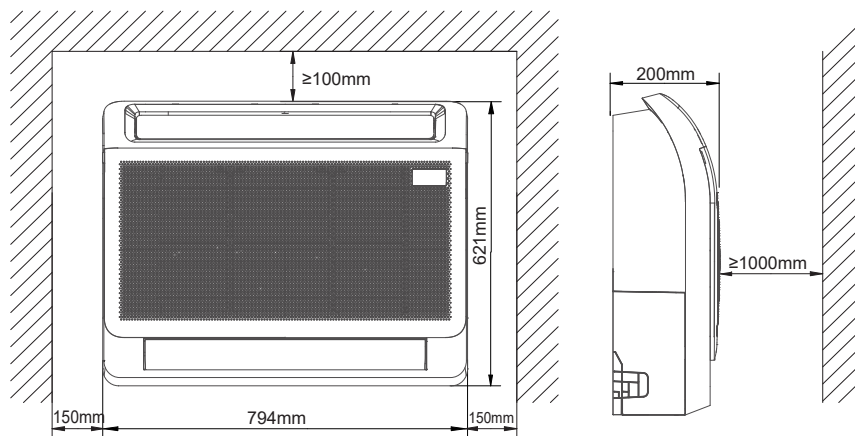
✓ There is sufficient space to connect the pipes of the cooling circuit and condensate drain.

✓ The air inlet and outlet are not blocked.

✓ The air flow can reach the entire room.

✓ There is no direct radiation from heaters.

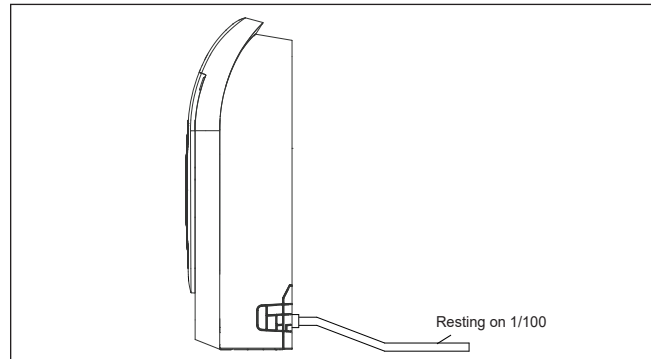
Minimum distances to be followed



Installation of condensate drain pipes

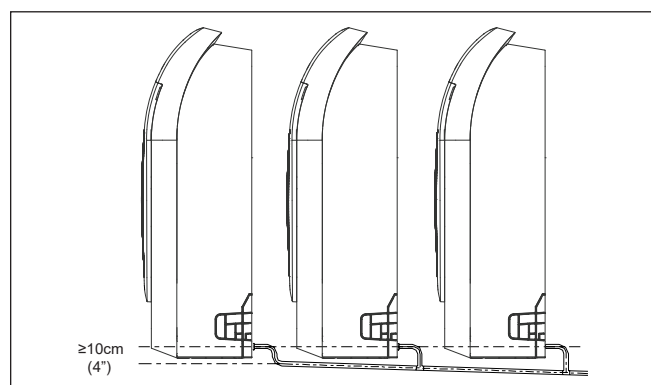
Install the drain pipe as shown in the figure below. It requires a polyethylene pipe not supplied as per standard.

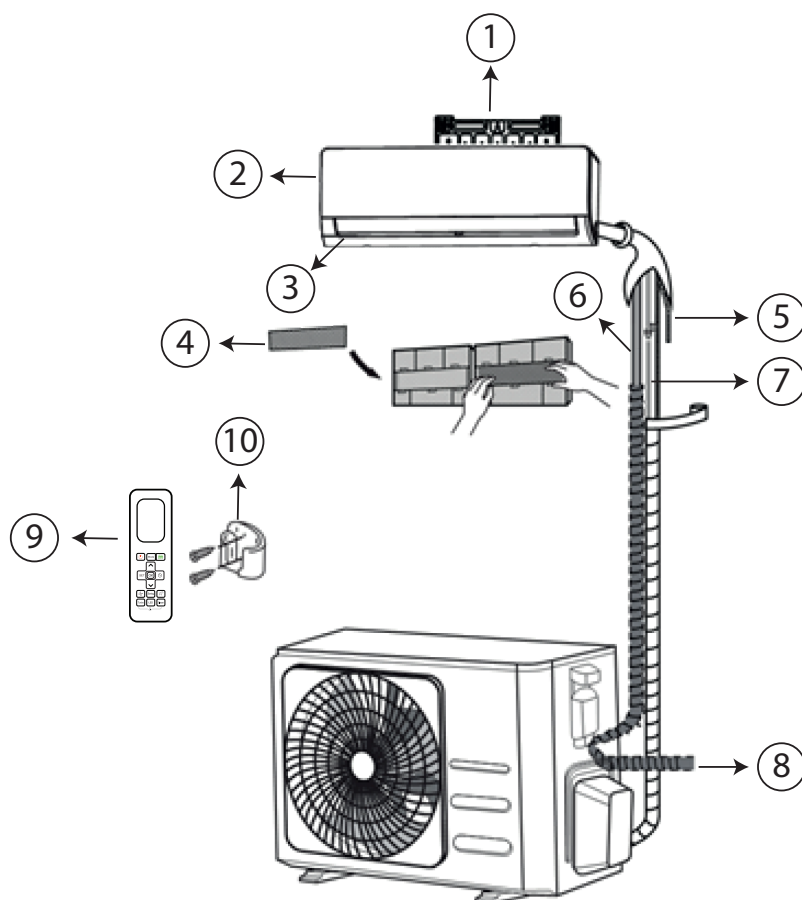
- When using an extended drain pipe, tighten the internal connection with an additional protective tube to keep it from slackening.
- The drain pipe must have a downward slope of at least 1/100 to prevent the water from flowing back into the air conditioners.
- An incorrect installation can cause water backflow into the unit and flooding.



Installation of several condensate drains in series

When connecting several drain pipes, install them as shown in the figure below. To guarantee normal drainage, the height difference between the fixing plate of the console indoor unit and the outlet opening of the connection pipes must be beyond 470 mm.



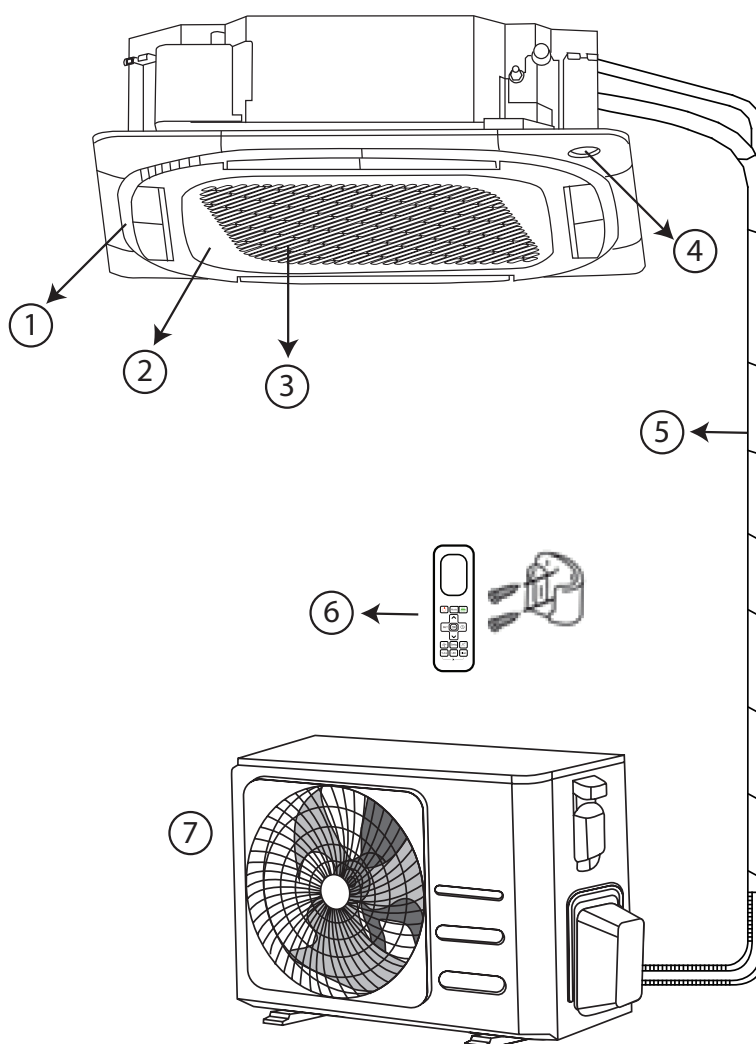


KEY:

- 1 Wall-mounting plate
- 2 Front panel
- 3 Fin
- 4 Filter
- 5 Condensate drain pipe
- 6 Connection cable
- 7 Refrigerant pipes
- 8 Outdoor unit power cable
- 9 Remote control
- 10 Remote control holder

NOTE:

- the drawing refers both to the GOTHIA solution and to the THOR solution
- from 1 to 5 indoor units can be connected in different type configurations and power outputs, compatibly with the chosen MULTI products
- the pipes can be connected on the left side, right side or at the back of the indoor unit
- the illustrations are provided by way of example, the actual products could be slightly different

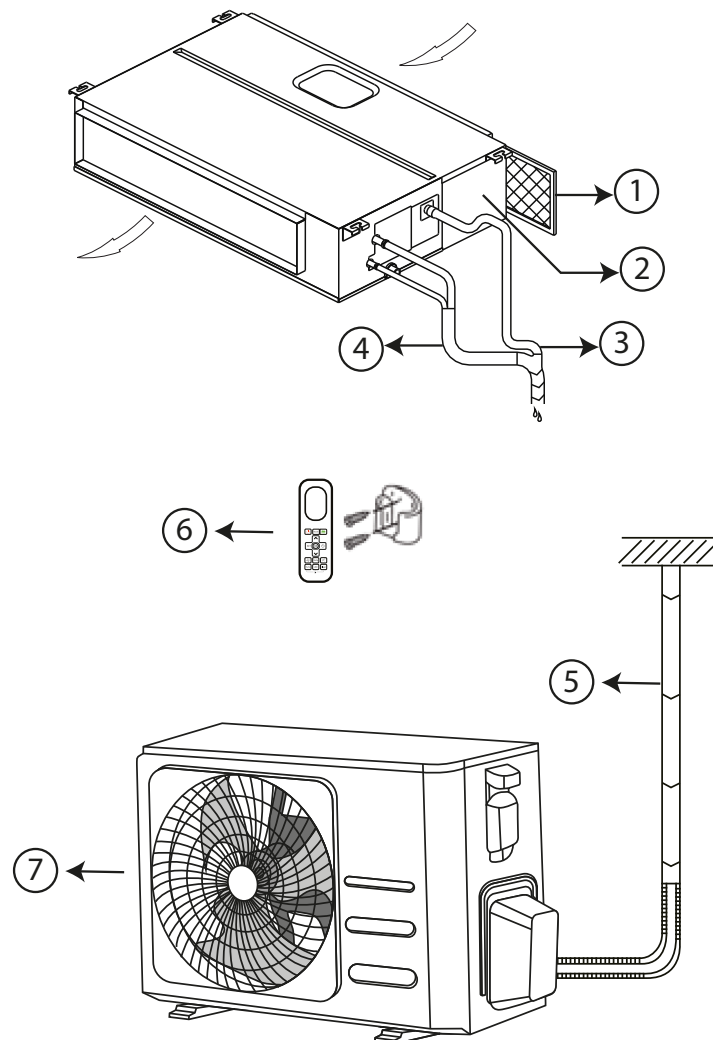


KEY:

- 1 Air outlet
- 2 Air inlet
- 3 Front grille
- 4 Display screen
- 5 Enclosure containing connection cable and drain pipe
- 6 Remote control
- 7 Outdoor unit

NOTE:

- from 1 to 5 indoor units can be connected in different type configurations and power outputs, compatibly with the chosen products
- do not bend the pipes more than 90° and guarantee a minimum curvature radius of 10 cm
- the illustrations are provided by way of example, the actual products could be slightly different

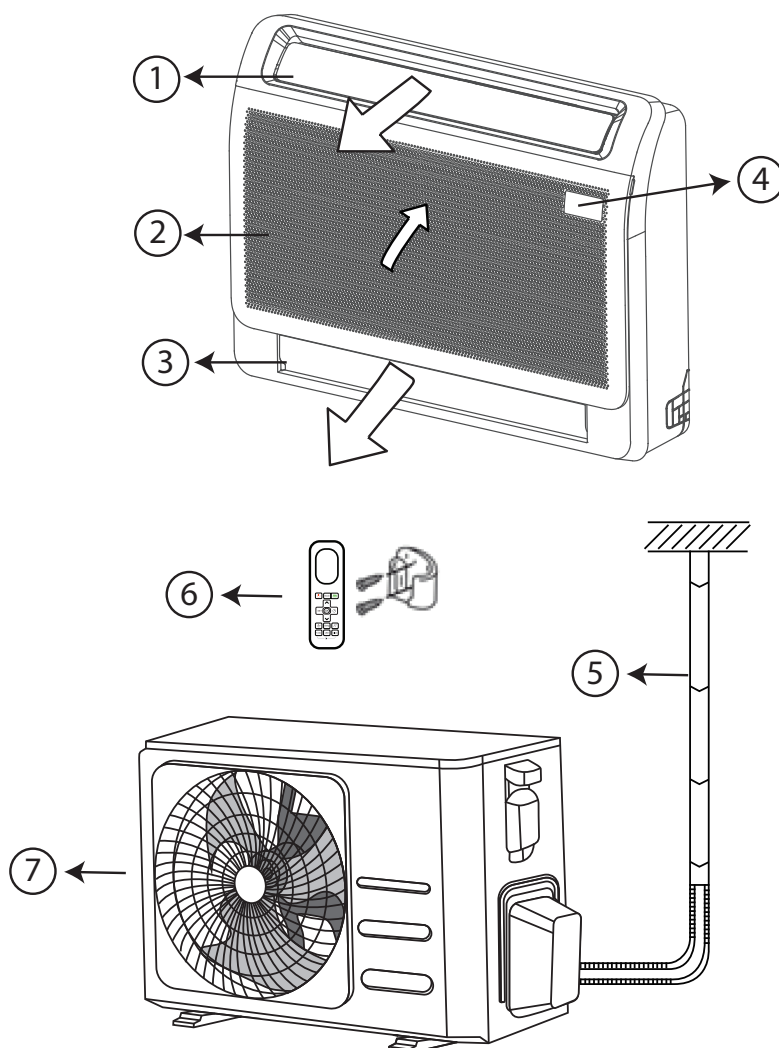


KEY:

- 1 Filter
- 2 Electrical panel
- 3 Drain pipe
- 4 Refrigerant pipes
- 5 Enclosure containing connection cable and drain pipe
- 6 Remote control
- 7 Outdoor unit

NOTE:

- from 1 to 5 indoor units can be connected in different type configurations and power outputs, compatibly with the chosen products
- do not bend the pipes more than 90° and guarantee a minimum curvature radius of 10 cm
- the illustrations are provided by way of example, the actual products could be slightly different

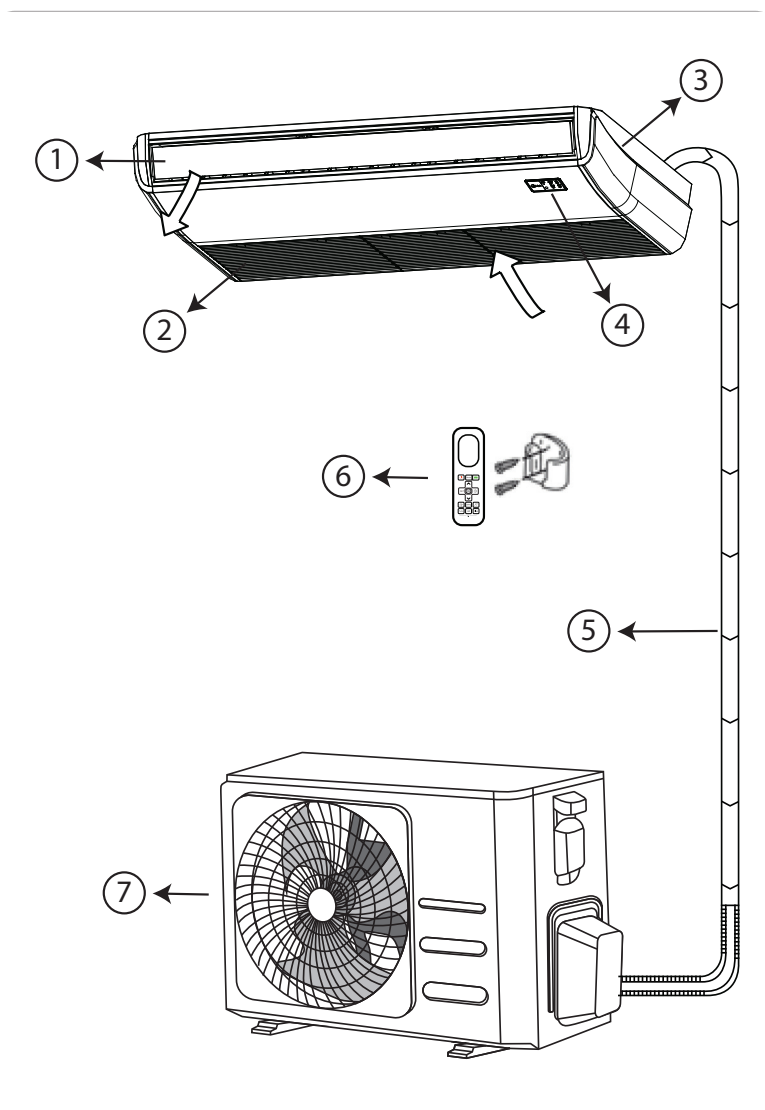


KEY:

- 1 Upper ventilation deflector (air outlet)
- 2 Air intake with integrated filter
- 3 Lower ventilation deflector (air outlet)
- 4 Display screen
- 5 Enclosure containing connection cable and drain pipe
- 6 Remote control
- 7 Outdoor unit

NOTE:

- from 1 to 5 indoor units can be connected in different type configurations and power outputs, compatibly with the chosen products
- the pipes can be connected on the left side, right side or at the back of the indoor unit
- do not bend the pipes more than 90° and guarantee a minimum curvature radius of 10 cm
- the illustrations are provided by way of example, the actual products could be slightly different


KEY:

- 1 Ventilation grille
- 2 Air intake with integrated filter
- 3 Structure
- 4 Display screen
- 5 Enclosure containing connection cable and drain pipe
- 6 Remote control
- 7 Outdoor unit

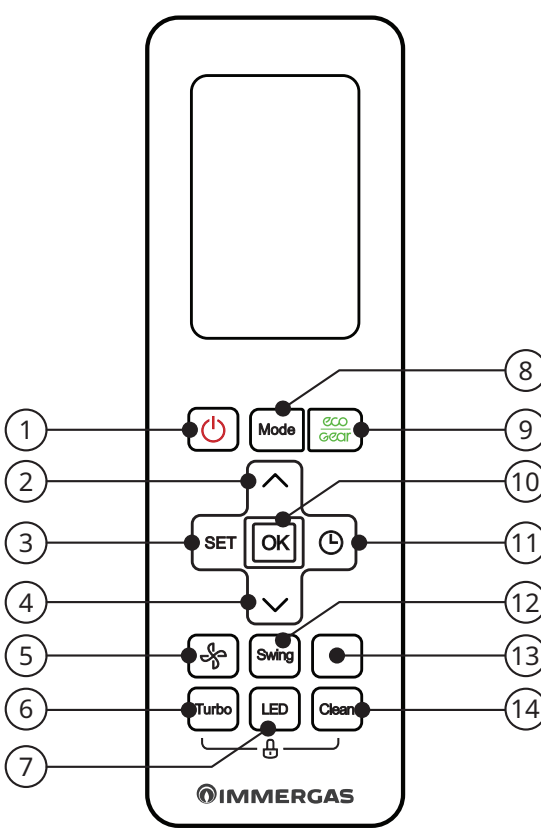
NOTE:

- from 1 to 5 indoor units can be connected in different type configurations and power outputs, compatibly with the chosen products
- UI SP can be installed horizontally on the ceiling (as shown in the figure) or vertically on the floor
- do not bend the pipes more than 90° and guarantee a minimum curvature radius of 10 cm
- the illustrations are provided by way of example, the actual products could be slightly different

Air conditioners

12 UI GOTHA - UI THOR - UI CAS - UI CONS - UI SP FUNCTIONS AND CONTROL

Below is the infrared remote control provided as standard with the above models, allowing full system control with all available functions (batteries included). While UI GOTHA & UI THOR can also be paired with their respective monosplit outdoor units, UE GOTHA & UE THOR, the other types of indoor units can only be paired with MULTI multisplit outdoor units, according to the combination table on **page 44**.



KEY:

1. ON \ OFF : Switch the Indoor Unit on or off.
2. TEMP ^ : Increase the temperature at 1°C steps (maximum temperature 30°C).
3. SET: Select the operating functions, such as:
 - Sleep
 - FollowMe
 - ApMode
4. TEMP v: Decrease the temperature at 1°C steps (minimum temperature 16°C).
5. FAN SPEED: Select the fan speed in the following order:
 - AU 20%
 - 40%
 - 60%
 - 80%
 - 100%
6. TURBO: Allows the unit to reach the set temperature in as short a time as possible.
7. LED: Activates and deactivates the LED display on the indoor unit and the buzzer on the air conditioner.
8. MODE: Goes to the next mode according to the following order;
 - Auto
 - Cool
 - Drying
 - Heat
 - Fan
9. ECO\GEAR: To access energy-saving mode according to the following sequence:
 - Eco
 - Gear (75%)
 - Gear (50%)
 - Previous ECO setting mode.
10. OK: Pressed to confirm the selected functions
11. TIMER: To set the automatic starting time to activate or deactivate the unit
12. SWING: Activates and deactivates movement of the horizontal deflector.
13. INDIRECT AIR FLOW: Function only available in COOL, FAN or DRY mode.
13. FRESH: To purify the air in the room through ionisation (ONLY FOR UI GHOTHA MODELS).
14. CLEAN: Activates/deactivates the Automatic Cleaning function.



Air conditioners

UI GOTHA - UI THOR - UI CAS - UI CONS - UI SP FUNCTIONS AND CONTROL (CONTINUED)

Basic Functions

- *AUTO Mode*: The unit automatically selects COOL, FAN, or HEAT mode based on the set temperature.
- *COOL Mode*: The unit cools the environment.
- *DRY Mode*: The unit reduces ambient humidity.
- *HEAT Mode*: The unit heats the environment.
- *FAN Mode*: The unit operates in ventilation-only mode.

Anti-Mold Passive Function: When turning off the unit from COOL, AUTO, or DRY mode, the air conditioner continues running at low power to dry condensed water and prevent mold growth.

Advanced Functions

- *SET Button*: Allows switching between three functions:
 - a) *Sleep Function*: Reduces energy consumption; in HEAT mode, the temperature decreases by 1°C per hour (up to 2°C max), and vice versa in COOL mode (remote control only).
 - b) *Follow Me Function*: The remote control detects the ambient temperature and sends it to the air conditioner every 3 minutes for optimized climate comfort.
 - c) *AP Function*: Activates Wi-Fi configuration for remote control via the CLIMA SMART app.
- *ECO/GEAR Function*:
 - a) *ECO Mode*: In cooling mode, automatically adjusts fan speed and sets temperature to 24°C for energy saving.
 - b) *GEAR Mode*: Reduces power consumption by up to 75% or 50%.

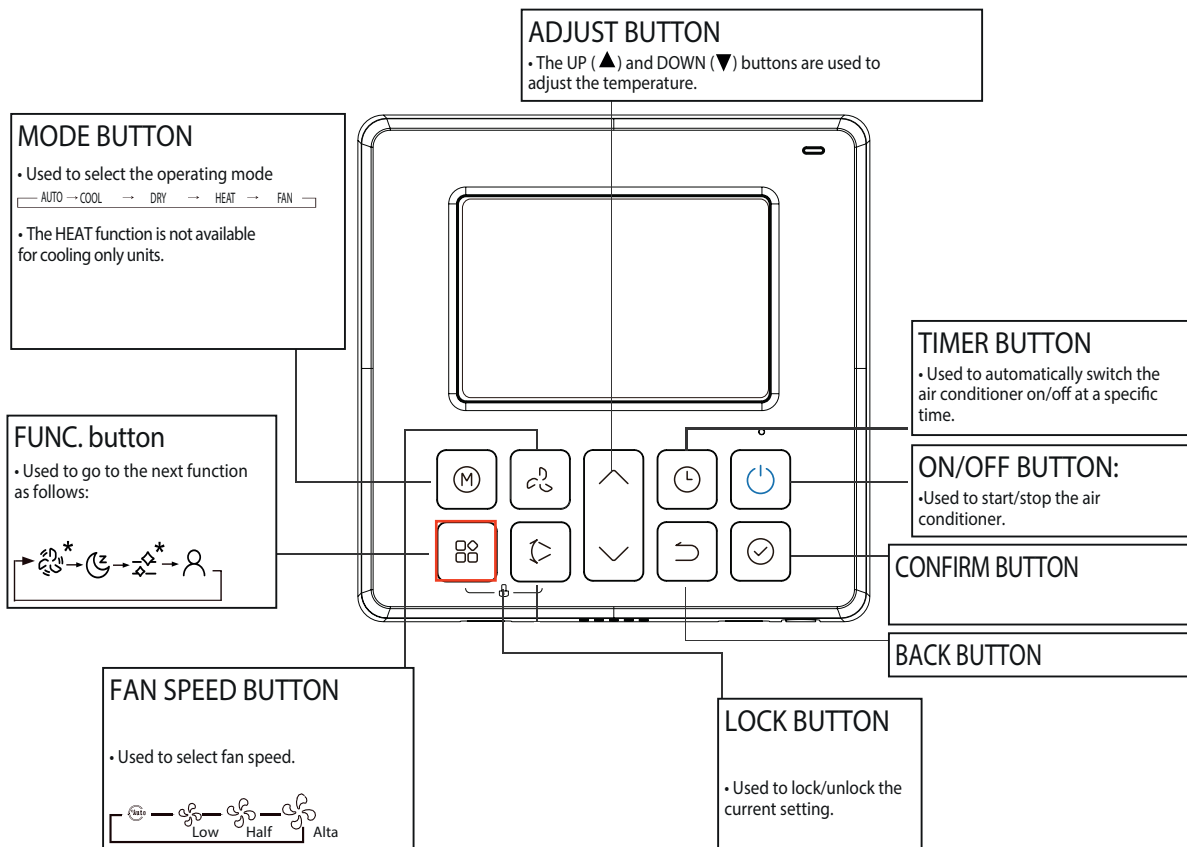
- *SWING Function*: Adjusts the horizontal deflector to five different angles or enables automatic oscillation.
- *TURBO Function*: The unit delivers maximum power for rapid heating or cooling.
- *LED Function*: Turns the indoor unit display on/off or displays the ambient temperature when holding the button for more than 5 seconds.
- *LOCK Function*: Pressing Turbo and Clean buttons simultaneously for 5 seconds locks the remote control buttons.
- *SILENCE Function*: Pressing the Fan button for more than 2 seconds reduces compressor noise.
- *FP (Anti-Freeze Protection) Function*: Activates in HEAT mode to prevent room temperature from dropping below 8°C.
- *CLEAN Function*: Automatically cleans the indoor unit's coil to remove bacteria (available only in COOL or DRY mode).
- *TIMER Function*: Sets a time interval (in hours) for automatic activation/deactivation of the air conditioner.
- *FRESH Function*: Activates the air ionizer for ambient air purification (only for UI GOTHA).
- *BREEZE AWAY Function*: Prevents airflow from being directly blown onto the user (except UI GOTHA).

To use the CLIMA SMART app for remote control, a dedicated Wi-Fi kit is required (included only with UI GOTHA, optional for others). The app also allows setting a weekly schedule for unit operation.

NOTE: When pairing UI GOTHA, UI THOR, UI CAS, UI CONS, and UI SP indoor units with MULTI multisplit outdoor units, the following functions are not available: *CLEAN*, *SILENCE*, *BREEZE AWAY*, and *ECO*.



Below is the wired remote control provided as standard with UI DUCT, allowing full system control with all available product functionalities. These indoor units can only be paired with MULTI multisplit outdoor units, according to the combination table on **page 44**.



UI DUCT

UI DUCT FUNCTIONS AND CONTROL (CONTINUED)

Basic Functions

- *AUTO Mode*: The unit automatically selects COOL, FAN, or HEAT mode based on the set temperature.
- *COOL Mode*: The unit cools the environment.
- *DRY Mode*: The unit reduces ambient humidity.
- *HEAT Mode*: The unit heats the environment.
- *FAN Mode*: The unit operates in ventilation-only mode.

Anti-Mold Passive Function: When turning off the unit from COOL, AUTO, or DRY mode, the air conditioner continues running at low power to dry condensed water and prevent mold growth.

Advanced Functions

Pressing the button highlighted in **red** allows you to set the ductable unit with the following settings:

- a) *TURBO Function*: The unit delivers maximum power for rapid heating or cooling.

b) *Sleep Function*: Reduces energy consumption; in HEAT mode, the temperature decreases by 1°C per hour (up to 2°C max), and vice versa in COOL mode (remote control only).

c) *Follow Me Function*: The remote control detects the ambient temperature and sends it to the air conditioner every 3 minutes for optimized climate comfort.

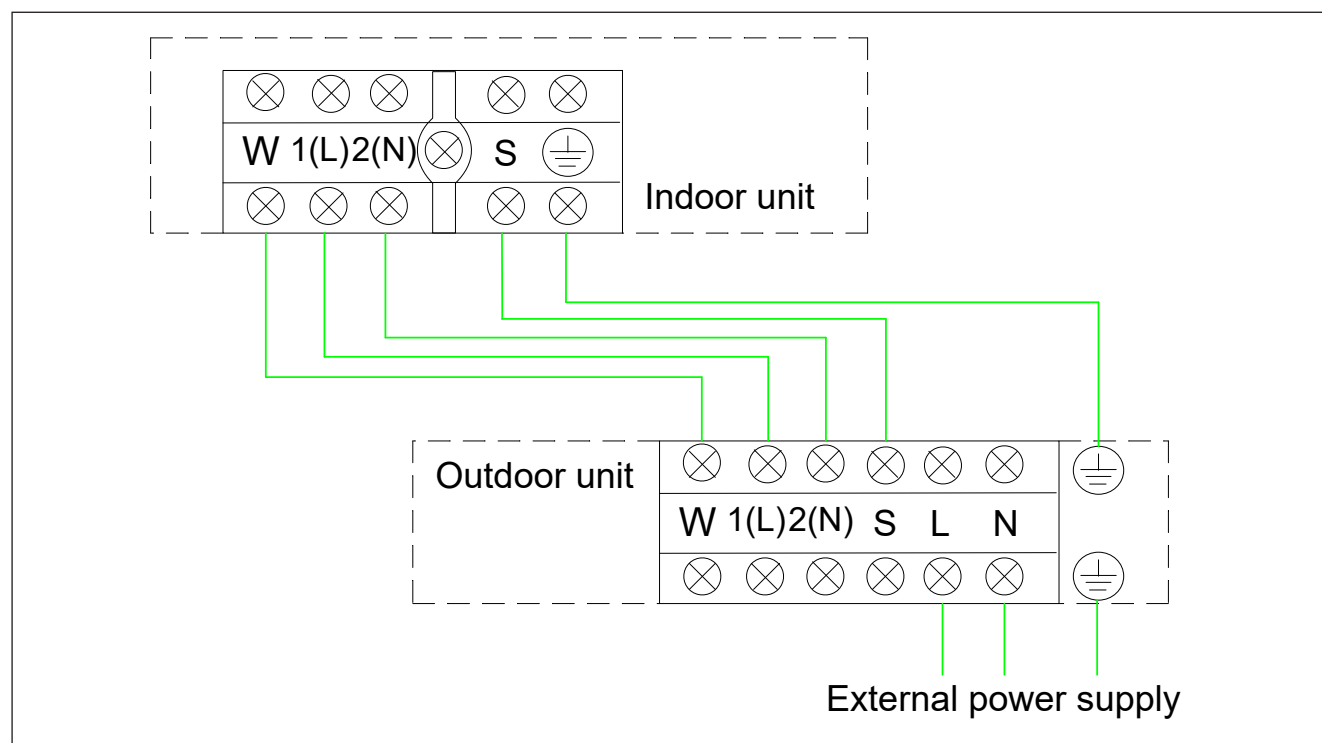
- *LOCK Function*: Pressing Turbo and Clean buttons simultaneously for 5 seconds locks the remote control buttons.

- *TIMER Function*: Sets a time interval (in hours) for automatic activation/deactivation of the air conditioner.

To use the CLIMA SMART app for remote control, a dedicated Wi-Fi kit is required. The app also allows setting a weekly schedule for unit operation.

NOTE: For the wired connection between the low-voltage 5V remote control and UI DUCT, a 5-wire shielded cable must be used. This cable is supplied as standard along with a 6-meter extension cable.





Cable Connection Characteristics

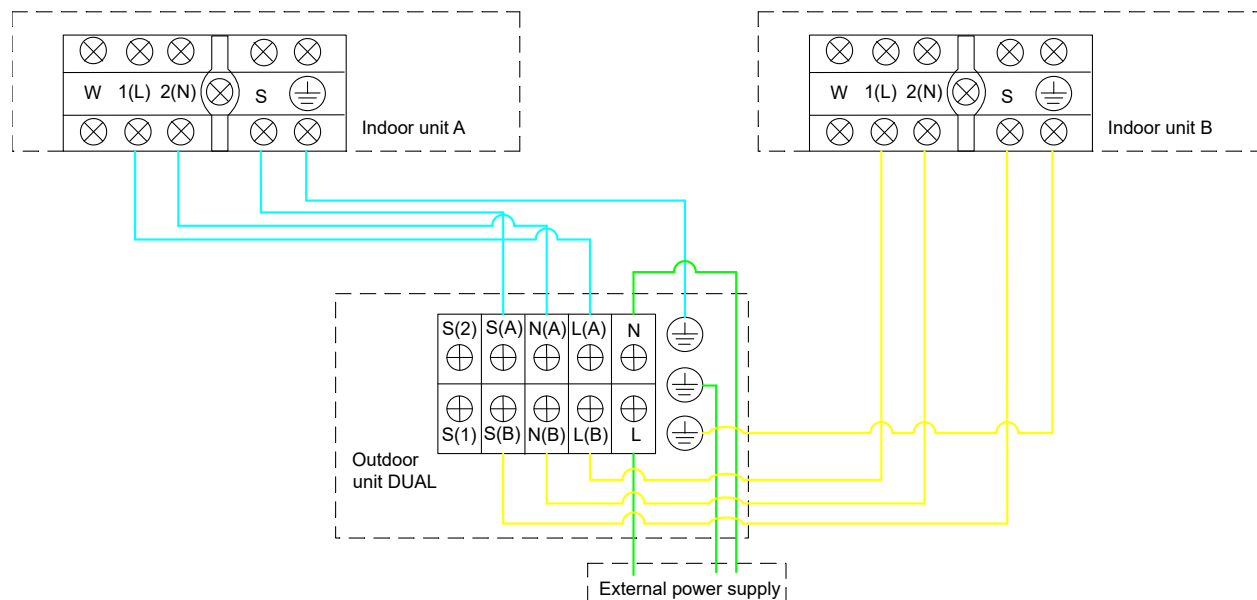
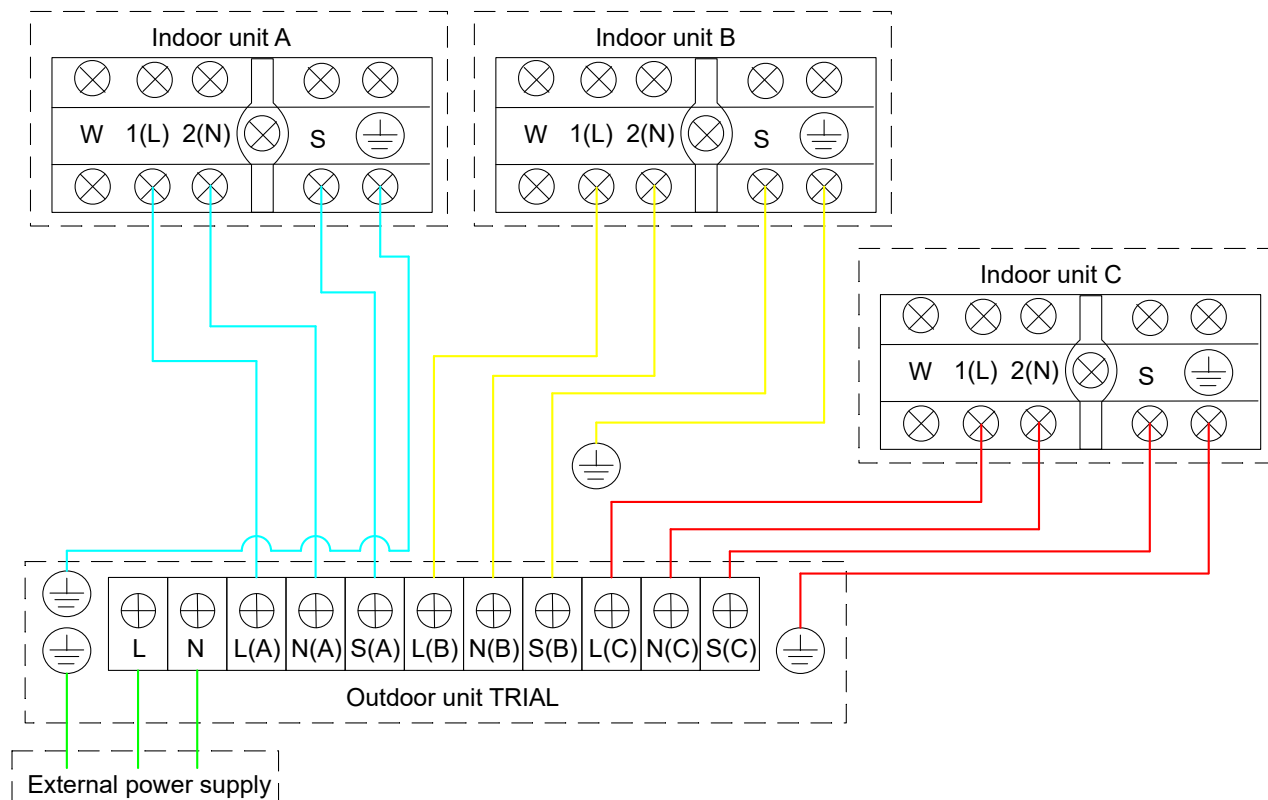
For the power supply of the outdoor unit, a multipolar cable type HO7RN-F with 3 wires (not provided) must be used. The minimum conductor sections are indicated in the following tables. The outdoor unit must be connected to the electrical power network through a circuit breaker or fuse and a residual current device (RCD). This RCD must not have a differential current exceeding 30 mA and must be at least type A (do not use type AC).

For the connection between the outdoor and indoor units, a multipolar cable type HO7RN-F with 5 wires (not provided) must be used. The minimum conductor sections are indicated in the following tables. A window contact can be interposed at the **W** terminal connection (if open, the product remains in standby mode). Some ferrite rings are supplied with the product to reduce interference, and their installation is at the discretion of the installer.

Indoor Unit	Nominal Values		Field of Tolerable Voltage		Wiring with outdoor unit
	Hz	V	V	V	mm ²
UI GOTHA 9	50	220-240	198	264	5 x 1,5
UI GOTHA 12	50	220-240	198	264	5 x 1,5
UI THOR 9	50	220-240	198	264	5 x 1,5
UI THOR 12	50	220-240	198	264	5 x 1,5
UI THOR 18	50	220-240	198	264	5 x 1,5
UI THOR 24	50	220-240	198	264	5 x 1,5

Outdoor Unit	Nominal Values		Field of Tolerable Voltage		Maximum current absorbed	Maximum absorbed power	Power cable
	Hz	V	V	V	A	W	mm ²
UE GOTHA 9	50	220-240	198	264	10,5	2200	3 x 1,5
UE GOTHA 12	50	220-240	198	264	10,5	2200	3 x 1,5
UE THOR 9	50	220-240	198	264	10	2150	3 x 1,5
UE THOR 12	50	220-240	198	264	10	2150	3 x 1,5
UE THOR 18	50	220-240	198	264	13	2500	3 x 1,5
UE THOR 24	50	220-240	198	264	19	3700	3 x 2,5



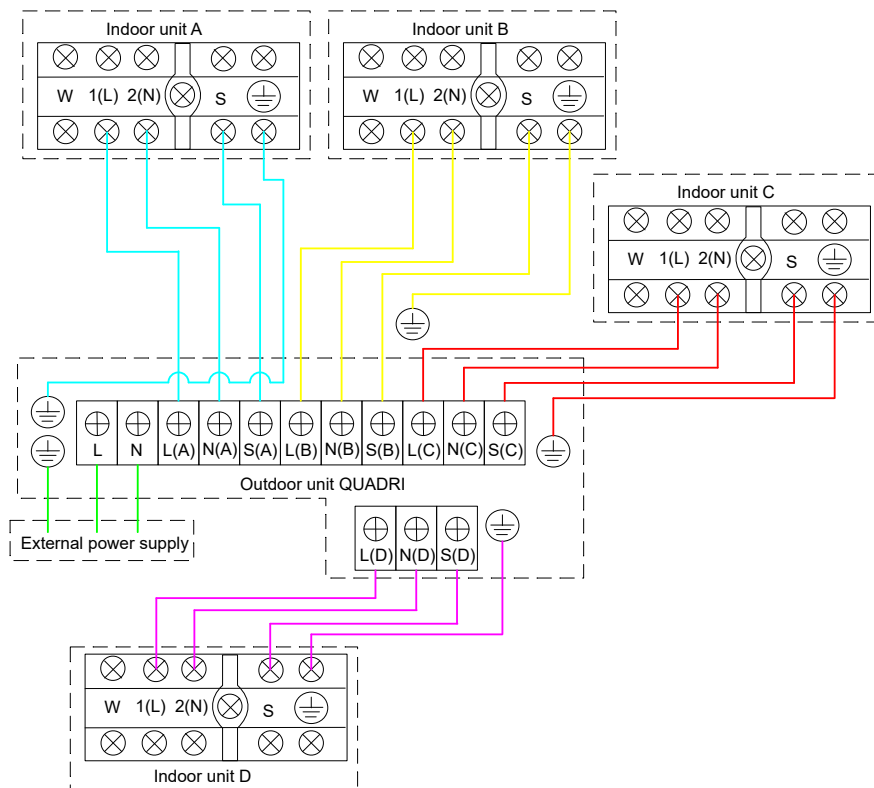
MULTI 18 DUAL wiring diagram

MULTI 21/27 TRIAL wiring diagram


NOTE: For wiring specifications and electrical absorption details of the machines, refer to the description on page 31.

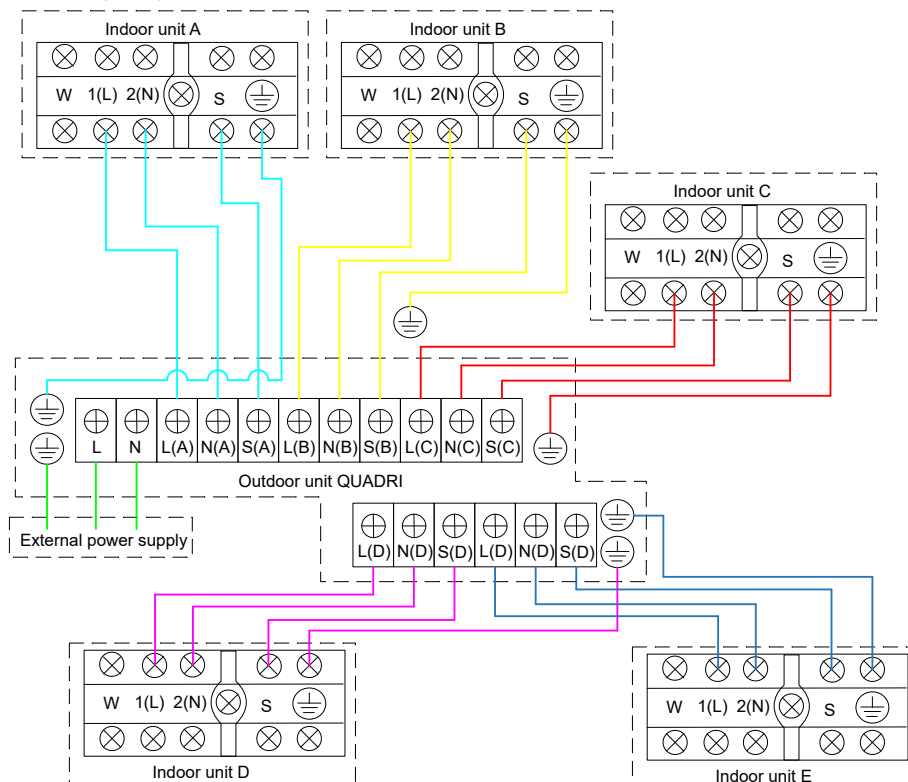


MULTISPLIT POWER SUPPLY AND ELECTRICAL CONNECTIONS (CONTINUED)

MULTI 28/36 QUADRI wiring diagram



MULTI 42 PENTA wiring diagram



NOTE: For wiring specifications and electrical absorption details of the machines, refer to the description on page 31.



MULTISPLIT POWER SUPPLY AND ELECTRICAL CONNECTIONS (CONTINUED)

Cable Connection Characteristics

For the power supply of the outdoor unit, a multipolar cable type HO7RN-F with 3 wires (not provided) must be used. The minimum conductor sections are indicated in the following tables. The outdoor unit must be connected to the electrical power network through a circuit breaker or fuse and a residual current device (RCD). This RCD must not have a differential current exceeding 30 mA and must be at least type A (do not use type AC).

For the connection between the outdoor and indoor unit, it is necessary to use a multipolar cable type HO7RN-F with 4 wires (not supplied). The minimum conductor sections are indicated in the following tables. In the case of using UI GO-THA or UI THOR, the **W** terminal must not be connected (absent on other indoor units). Some ferrite rings are supplied with the product to reduce interference, and their installation is at the discretion of the installer.

Indoor Unit	Nominal Values		Field of Tolerable Voltage		Wiring with Outdoor Unit
	Hz	V	V	V	mm ²
UI THOR 9 UI THOR 12 UI THOR 18 UI THOR 24	50	220-240	198	264	4 x 1.5
UI CAS 9 UI CAS 12 UI CAS 18	50	220-240	198	264	4 x 1.5
UI DUCT 9 UI DUCT 12 UI DUCT 18	50	220-240	198	264	4 x 1.0
UI CONS 9 UI CONS 12 UI CONS 18	50	220-240	198	264	4 x 1.0
UI SP 18	50	220-240	198	264	4 x 1.0

Outdoor Unit	Nominal Values		Field of Tolerable Voltage		Maximum current absorbed	Maximum absorbed power	Power cable
	Hz	V	V	V	A	W	mm ²
UE MULTI 18 DUAL	50	220-240	198	264	13	3050	3 x 1,5
UE MULTI 21 TRIAL	50	220-240	198	264	17	3910	3 x 2,5
UE MULTI 27 TRIAL	50	220-240	198	264	18	4100	3 x 2,5
UE MULTI 28 QUADRI	50	220-240	198	264	19	4150	3 x 2,5
UE MULTI 36 QUADRI	50	220-240	198	264	21.5	4600	3 x 2,5
UE MULTI 42 PENTA	50	220-240	198	264	22	4700	3 x 2,5



Monosplit

16

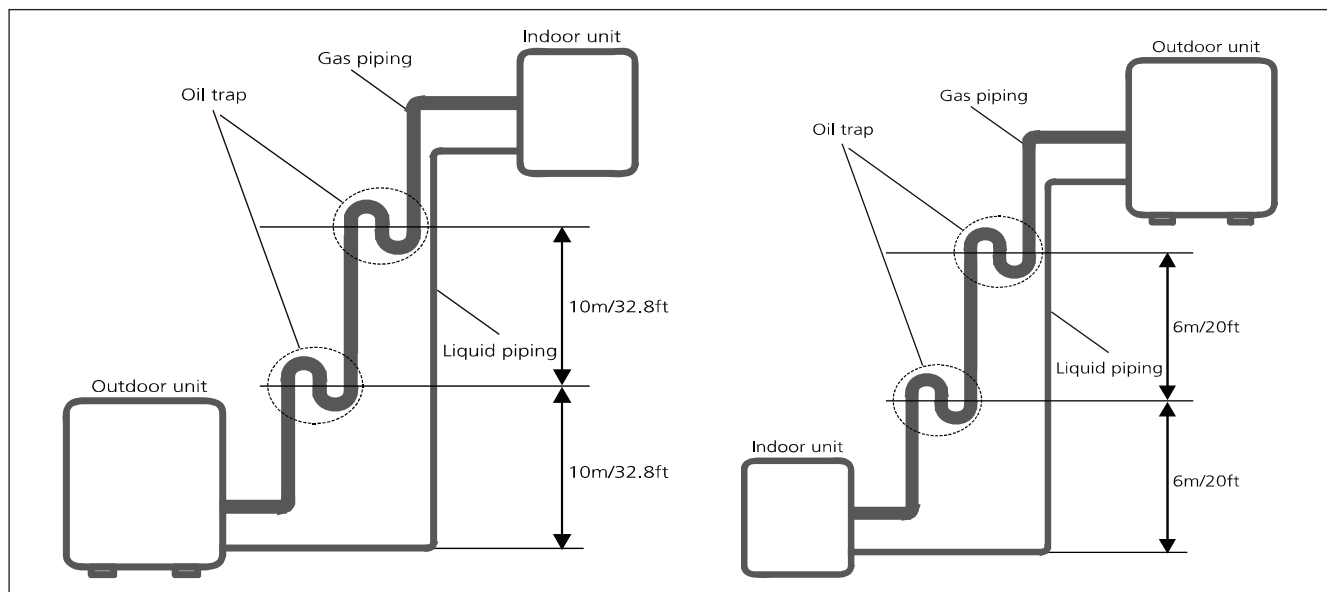
INSTALLING THE MONOSPLIT CHILLER LINES

The cooling circuit of GOTHA e THOR-air conditioners uses the refrigerant R32, therefore, it is necessary to take some measures for the proper operation of the machine:

- nominal efficiency was tested on the unit with a pipe 5 m long.
A minimum route of 3 m is required for operation;
- make sure that the minimum bending radius of the pipes is at least 10 cm;
- only use equipment and fittings for R32;

- for especially elevated height differences, siphons must be installed on the gas pipes for the deposit of oil, as indicated in the figure below;
- the length of the pipes between the outdoor and indoor unit and the height difference must not exceed the indicated limits.

Outdoor Unit	Gas pipe outside diameter [mm - inch]	Liquid line pipe outside diameter [mm - inch]	Maximum length R32 preload (liquid pipe)	Maximum length with top up (liquid pipe)	Indoor unit-outdoor unit maximum height difference	R32 refrigerant preload	Top-up for every additional metre of the liquid line
UE GOTHA 9	Ø 9.52 - 3/8"	Ø 6.35 - 1/4"	≤ 5 m	25 m	10 m	0.62 kg	12 g/m
UE GOTHA 12	Ø 9.52 - 3/8"	Ø 6.35 - 1/4"	≤ 5 m	25 m	10 m	0.62 kg	12 g/m
UE THOR 9	Ø 9.52 - 3/8"	Ø 6.35 - 1/4"	≤ 5 m	25 m	10 m	0.6 kg	12 g/m
UE THOR 12	Ø 9.52 - 3/8"	Ø 6.35 - 1/4"	≤ 5 m	25 m	10 m	0.65 kg	12 g/m
UE THOR 18	Ø 12.7 - 1/2"	Ø 6.35 - 1/4"	≤ 5 m	30 m	20 m	1.1 kg	12 g/m
UE THOR 24	Ø 15.9 - 5/8"	Ø 9.52 - 3/8"	≤ 5 m	50 m	25 m	1.45 kg	24 g/m



Insulating the chiller lines.

- during operation, the gas and liquid pipes could reach very high or very low temperatures, making it necessary to insulate them efficiently. Otherwise, product performance would be ruined, with the possible breakage of the compressor;
- the insulation material must be able to withstand temperatures exceeding 120°C;
- the gas and liquid pipes must be insulated separately. Insulating them together would downgrade their performance.

Minimum installation areas

When using a flammable refrigerant, if it exceeds 1,84 kg of refrigerant, the indoor unit must be installed in a room with minimum dimensions that guarantee the safe operation of the product. For UI GOTHA and UI THOR models, please refer to the instruction manual to verify the minimum required size of the installation room. It must also be verified that the minimum installation distances previously described have been respected.

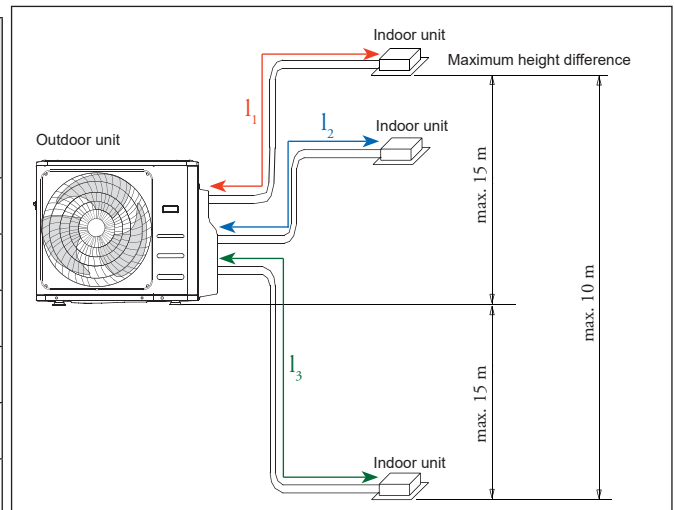


The cooling circuit of MULTI-air conditioners uses the refrigerant R32, therefore, it is necessary to take some measures for the proper operation of the machine:

- nominal efficiency was tested on the unit with a pipe 7.5 m long. A minimum route of 3 m is required for operation;
- minimum bending radius of 10 cm pipes;
- only use equipment and fittings for R32;

- for especially elevated height differences (every 6 metres of height difference) siphons must be installed on the gas pipes for the deposit of oil;
- the length of the pipes between the outdoor and indoor unit and the height difference must not exceed the indicated limits.

Outdoor Unit	Gas pipe outside diameter [inch]	Liquid line pipe outside diameter [inch]	Maximum length of liquid pipe with R32 preload (for each line)	R32 refrigerant preload
UE MULTI 18 DUAL	2 x 3/8"	2 x 1/4"	≤ 7.5 m	1.25 kg
UE MULTI 21 TRIAL	3 x 3/8"	3 x 1/4"	≤ 7.5 m	1.5 kg
UE MULTI 27 TRIAL	3 x 3/8"	3 x 1/4"	≤ 7.5 m	1.8 kg
UE MULTI 28 QUADRI	3 x 3/8" 1 x 1/2"	4 x 1/4"	≤ 7.5 m	2.1 kg
UE MULTI 36 QUADRI	3 x 3/8" 1 x 1/2"	4 x 1/4"	≤ 7.5 m	2.1 kg
UE MULTI 42 PENTA	4 x 3/8" 1 x 1/2"	5 x 1/4"	≤ 7.5 m	2.9 kg



Maximum lengths and refrigerant top up.

The following table shows the maximum distances that apply for the various ranges of MULTI multisplit air-conditioners

Outdoor Unit	Maximum length for all pipes [m] $I_1 + I_2 + I_3$	Maximum length for 1 indoor unit [m] I_1 or I_2 or I_3	Maximum height difference between outdoor unit and indoor unit [m]	Maximum height difference between indoor units [m]
DUAL	40	25	15	10
TRIAL	60	30	15	10
QUADRI	80	35	15	10
PENTA	80	35	15	10

The following formula is used to calculate the amount of refrigerant R32 to top up per metre, in addition to the preload length

$$\text{Top up R32 [g]} = (L - l \times N) \times 12 \text{ g/m}$$

where:

L = total pipe length

l = preload pipe length

N = number of indoor units that can be coupled

If the product **UI THOR 24** is used, if the maximum distance is exceeded with a preload of 7.5 m, only for the wall-mounted split line **24 g/m** must be considered for the eventual refrigerant pop up.

Insulating the chiller lines.

- during operation, the gas and liquid pipes could reach very high or very low temperatures, making it necessary to insulate them efficiently. Otherwise, product performance would be ruined, with the possible breakage of the compressor;
- the insulation material must be able to withstand temperatures exceeding 120°C;
- the gas and liquid pipes must be insulated separately. Insulating them together would downgrade their performance.

Minimum installation areas

When using a flammable refrigerant, if it exceeds 1,84 kg of refrigerant, the indoor unit must be installed in a room with minimum dimensions that guarantee the safe operation of the product. For indoor units that can be coupled to MULTI, please refer to the instruction manual to verify the minimum required size of the installation room. It must also be verified that the minimum installation distances previously described have been respected.



17.1 INDOOR UNITS COMPATIBLE WITH MULTI OUTDOOR UNIT

Indoor unit cooling performance [Btu/h - kW]	Wall-mounted		Cassette	Ducted	Console	Ceiling or floor
9.000 - 2,64	UI GOTH A 9	UI THOR 9	UI CAS 9	UI DUCT 9	UI CONS 9	-
12.000 - 3,52	UI GOTH A 12	UI THOR 12	UI CAS 12	UI DUCT 12	UI CONS 12	-
18.000 - 5,28	-	UI THOR 18	UI CAS 18	UI DUCT 18	UI CONS 18	UI SP 18
24.000 - 7,03	-	UI THOR 24	-	-	-	-

Fittings supplied

Fittings are supplied with the outdoor units, which could be necessary when coupling to certain indoor units. These fittings must be installed on the gas connections of the outdoor units, so that the gas piping has the diameter of the dedicated indoor unit.

Outdoor unit	Quantity of fittings	Fitting diameter for gas pipe	Indoor units requiring fitting
UE MULTI 21 TRIAL	1	from 3/8" (9,52 mm) to 1/2" (12,7 mm)	UI THOR 18 UI CAS 18 UI DUCT 18 UI SP 18 UI CONS 18
UE MULTI 27 TRIAL			
UE MULTI 28 QUADRI	1	from 1/2" (12,7 mm) to 3/8" (9,52 mm)	UI GOTH A 9/12 UI THOR 9/12 UI CAS 9/12 UI DUCT 9/12 UI CONS 9/12
UE MULTI 36 QUADRI			
UE MULTI 42 PENTA	2	from 1/2" (12,7 mm) to 3/8" (9,52 mm)	UI GOTH A 9/12 UI THOR 9/12 UI CAS 9/12 UI DUCT 9/12 UI CONS 9/12
		from 3/8" (9,52 mm) to 1/2" (12,7 mm)*	UI THOR 18* UI CAS 18* UI DUCT 18* UI SP 18* UI CONS 18*

NOTE: for products indicated with * if possible, the relative fitting should not be used, as it would increase the diameter of the pipe, as on the UE MULTI 42 PENTA outdoor unit, there is already a 1/2" refrigerant gas fitting. The specific fittings are not supplied as per standard for liquid/gas refrigerant pipes for the connection of the UI THOR 24 indoor unit with possible MULTI outdoor units.



GOTHA		9	12
Heating performance			
Rated output power (min - max)	Btu/h	10.000 (2.800-11.500)	13.000 (3.640-14.950)
Rated output power (min - max)	kW	2,93 (0,82-3,37)	3,81 (1,07-4,38)
Rated absorbed power	W	651	977
Rated COP	-	4,5	3,9
Rated absorbed current	A	2,83	4,24
Operating temperature	°C	-20/24	-20/24
Cooling performance			
Rated output power (min - max)	Btu/h	9.000 (3.500-11.000)	12.000 (4.700-14.700)
Rated output power (min - max)	kW	2,64 (1,03-3,22)	3,52 (1,38-4,31)
Rated absorbed power	W	628	1005
Rated EER	-	4,2	3,5
Rated absorbed current	A	2,73	4,37
Operating temperature	°C	-15/50	-15/50
Indoor unit			
Air flow rate (max. - med. - min.)	m³/h	510-360-300	520-370-310
Sound pressure (max. - med. - min.)	dB(A)	37-31-22	39-33-22
Sound power	dB(A)	54	55
Dimensions (H x L x D)	mm	296x805x205	296x805x205
Net/gross weight	kg	8,7/11,5	8,7/11,3
Outdoor unit			
Compressor type	-	Rotary DC inverter	Rotary DC inverter
Air flow rate	m³/h	2.150	2.200
Sound pressure	dB(A)	54	54,5
Sound power	dB(A)	58	61
Dimensions (H x L x D)	mm	555x765x303	555x765x303
Net/gross weight	kg	26,4/28,8	26,4/28,7
General data			
Electric power supply	Ph/V/Hz	1 Ph/220-240/50	1 Ph/220-240/50
Maximum absorbed power	W	2.200	2.200
Maximum absorbed current	A	10,5	10,5
Type of refrigerant/GWP	-	R32/675	R32/675
Refrigerant preload	kg	0,62	0,62
Liquid/gas refrigerant connections	mm(inch)	6,35(1/4)-9,52(3/8)	6,35(1/4)-9,52(3/8)

THE REPORTED NOMINAL DATA REFERS TO THE FOLLOWING CONDITIONS (in compliance with EN 14511)

ENVIRONMENT	COOLING (°C)	CENTRAL HEATING (°C)
INDOOR AIR-OUTDOOR AIR Temp. (db/wb)	27/19 - 35/24	20/15 - 7/6



19		THOR TECHNICAL DATA	
THOR		9	12
Heating performance			
Rated output power (min - max)	Btu/h	10.000 (2.800-11.500)	13.000 (3.650-14.950)
Rated output power (min - max)	kW	2,93 (0,82-3,37)	3,81 (1,07-4,38)
Rated absorbed power	W	771	1027
Rated COP	-	3,8	3,71
Rated absorbed current	A	3,35	4,46
Operating temperature	°C	-20/24	-20/24
Cooling performance			
Rated output power (min - max)	Btu/h	9.000 (3.500-11.000)	12.000 (4.700-14.700)
Rated output power (min - max)	kW	2,64 (1,03-3,22)	3,52 (1,38-4,31)
Rated absorbed power	W	733	1.089
Rated EER	-	3,6	3,23
Rated absorbed current	A	3,18	4,73
Operating temperature	°C	-15/50	-15/50
Indoor unit			
Air flow rate (max. - med. - min.)	m³/h	460-330-260	530-400-350
Sound pressure (max. - med. - min.)	dB(A)	37-32-22	37-32-22
Sound power	dB(A)	54	55
Dimensions (H x L x D)	mm	292x729x204	296x805x205
Net/gross weight	kg	8,0/10,5	8,7/11,5
Outdoor unit			
Compressor type	-	Rotary DC inverter	Rotary DC inverter
Air flow rate	m³/h	1.850	1.850
Sound pressure	dB(A)	55,5	56
Sound power	dB(A)	62	62
Dimensions (H x L x D)	mm	495x720x270	495x720x270
Net/gross weight	kg	23,5/25,4	23,7/25,5
General data			
Electric power supply	Ph/V/Hz	1 Ph/220-240/50	1 Ph/220-240/50
Maximum absorbed power	W	2.150	2.150
Maximum absorbed current	A	10	10
Type of refrigerant/GWP	-	R32/675	R32/675
Refrigerant preload	kg	0,60	0,65
Liquid/gas refrigerant connections	mm(inch)	6,35(1/4)-9,52(3/8)	6,35(1/4)-9,52(3/8)

THE REPORTED NOMINAL DATA REFERS TO THE FOLLOWING CONDITIONS (in compliance with EN 14511)		
ENVIRONMENT	COOLING (°C)	CENTRAL HEATING (°C)
INDOOR AIR-OUTDOOR AIR Temp. (db/wb)	27/19 - 35/24	20/15 - 7/6



THOR TECHNICAL DATA (CONTINUED)

THOR		18	24
Heating performance			
Rated output power (min - max)	Btu/h	18.400 (10.580-19.960)	25.000 (5.300-28.000)
Rated output power (min - max)	kW	5,39 (3,1-5,85)	7,33 (1,55-8,21)
Rated absorbed power	W	1.433	1.949
Rated COP	-	3,76	3,76
Rated absorbed current	A	6,23	8,47
Operating temperature	°C	-20/24	-20/24
Cooling performance			
Rated output power (min - max)	Btu/h	18.000 (6.600-21.400)	24.000 (7.200-28.000)
Rated output power (min - max)	kW	5,28 (1,93-6,27)	7,03 (2,11-8,21)
Rated absorbed power	W	1.550	2.111
Rated EER	-	3,4	3,33
Rated absorbed current	A	6,7	9,18
Operating temperature	°C	-15/50	-15/50
Indoor unit			
Air flow rate (max. - med. - min.)	m³/h	800-600-500	1.090-770-610
Sound pressure (max. - med. - min.)	dB(A)	41/37/31	46/37/34,5
Sound power	dB(A)	56	62
Dimensions (H x L x D)	mm	321x971x230	337x1082x234
Net/gross weight	kg	11,2/14,6	13,6/17,3
Outdoor unit			
Compressor type	-	Rotary DC inverter	Rotary DC inverter
Air flow rate	m³/h	2.100	3.500
Sound pressure	dB(A)	57	60
Sound power	dB(A)	65	67
Dimensions (H x L x D)	mm	554x805x330	673x890x342
Net/gross weight	kg	33,5/36,1	43,9/46,9
General data			
Electric power supply	Ph/V/Hz	1 Ph/220-240/50	1 Ph/220-240/50
Maximum absorbed power	W	2.500	3.700
Maximum absorbed current	A	13	19
Type of refrigerant/GWP	-	R32/675	R32/675
Refrigerant preload	kg	1,1	1,45
Liquid/gas refrigerant connections	mm(inch)	6,35(1/4)-12,7(1/2)	9,52(3/8)-15,9(5/8)

THE REPORTED NOMINAL DATA REFERS TO THE FOLLOWING CONDITIONS (in compliance with EN 14511)

ENVIRONMENT	COOLING (°C)	CENTRAL HEATING (°C)
INDOOR AIR-OUTDOOR AIR Temp. (db/wb)	27/19 - 35/24	20/15 - 7/6



UE MULTI		18 DUAL	21 TRIAL
Heating performance			
Rated output power (min - max)	Btu/h	19.000 (8.000-19.000)	22.000 (8.000-22.000)
Rated output power (min - max)	kW	5,57 (2,35-5,57)	6,45 (2,35-6,45)
Rated absorbed power	W	1.500	1.738
Rated COP	-	3,71	3,71
Rated absorbed current	A	6,6	7,6
Operating temperature	°C	-15/24	-15/24
Cooling performance			
Rated output power (min - max)	Btu/h	18.000 (7.000-18.000)	21.000 (7.000-21.000)
Rated output power (min - max)	kW	5,28 (2,05-5,28)	6,15 (2,05-6,15)
Rated absorbed power	W	1.635	1.905
Rated EER	-	3,23	3,23
Rated absorbed current	A	7,1	8,3
Operating temperature	°C	-15/50	-15/50
Outdoor unit			
Compressor type	-	Rotary DC inverter	Rotary DC inverter
Air flow rate	m³/h	2.100	3.000
Sound pressure	dB(A)	54	55
Sound power	dB(A)	65	65
Dimensions (H x L x D)	mm	554x805x330	673x890x342
Net/gross weight	kg	35,0/38,0	43,3/47,1
General data			
Electric power supply	Ph/V/Hz	1 Ph/220-240/50	1 Ph/220-240/50
Maximum absorbed power	W	3.050	3.910
Maximum absorbed current	A	13	17
Type of refrigerant/GWP	-	R32/675	R32/675
Refrigerant preload	kg	1,25	1,5
Liquid/gas refrigerant connections	mm(inch)	2x6,35(1/4)-2x9,52(3/8)	3x6,35(1/4)-3x9,52(3/8)
Maximum no. of indoor units that can be coupled	-	2	3

THE REPORTED NOMINAL DATA REFERS TO THE FOLLOWING CONDITIONS (in compliance with EN 14511)

ENVIRONMENT	COOLING (°C)	CENTRAL HEATING (°C)
INDOOR AIR-OUTDOOR AIR Temp. (db/wb)	27/19 - 35/24	20/15 - 7/6



MULTI TECHNICAL DATA (CONTINUED)

UE MULTI		27 TRIAL	28 QUADRI
Heating performance			
Rated output power (min - max)	Btu/h	28.000 (8.000-28.000)	30.000 (8.000-30.000)
Rated output power (min - max)	kW	8,21 (2,35-8,21)	8,79 (2,35-8,79)
Rated absorbed power	W	2.210	2.369
Rated COP	-	3,71	3,71
Rated absorbed current	A	10,1 (2,6-13,5)	10,4 (1,98-14,0)
Operating temperature	°C	-15/24	-15/24
Cooling performance			
Rated output power (min - max)	Btu/h	27.000 (7.000-27.000)	28.000 (7.000-28.000)
Rated output power (min - max)	kW	7,91 (2,05-7,91)	8,21 (2,05-8,21)
Rated absorbed power	W	2.450	2.540
Rated EER	-	3,23	3,23
Rated absorbed current	A	11,2	10,9
Operating temperature	°C	-15/50	-15/50
Outdoor unit			
Compressor type	-	Rotary DC inverter	Rotary DC inverter
Air flow rate	m³/h	3.000	3.800
Sound pressure	dB(A)	55	63
Sound power	dB(A)	68	68
Dimensions (H x L x D)	mm	673x890x342	810x946x410
Net/gross weight	kg	48,0/51,8	62,1/67,7
General data			
Electric power supply	Ph/V/Hz	1 Ph/220-240/50	1 Ph/220-240/50
Maximum absorbed power	W	4.100	4.150
Maximum absorbed current	A	18	19
Type of refrigerant/GWP	-	R32/675	R32/675
Refrigerant preload	kg	1,8	2,1
Liquid/gas refrigerant connections	mm(inch)	3x6,35(1/4)-3x9,52(3/8)	4x6,35(1/4)-3x9,52(3/8) + 1x12,7(1/2)
Maximum no. of indoor units that can be coupled	-	3	4

THE REPORTED NOMINAL DATA REFERS TO THE FOLLOWING CONDITIONS (in compliance with EN 14511)

ENVIRONMENT	COOLING (°C)	CENTRAL HEATING (°C)
INDOOR AIR-OUTDOOR AIR Temp. (db/wb)	27/19 - 35/24	20/15 - 7/6



MULTI TECHNICAL DATA (CONTINUED)

UE MULTI		36 QUADRI	42 PENTA
Heating performance			
Rated output power (min - max)	Btu/h	36.000 (8.000-38.000)	42.000 (8.000-42.000)
Rated output power (min - max)	kW	10,55 (2,35-11,14)	12,31 (2,35-12,31)
Rated absorbed power	W	2.845	3.300
Rated COP	-	3,71	3,73
Rated absorbed current	A	13,5	15
Operating temperature	°C	-15/24	-15/24
Cooling performance			
Rated output power (min - max)	Btu/h	36.000 (7.000-36.000)	42.000 (7.000-42.000)
Rated output power (min - max)	kW	10,55 (2,05-10,55)	12,31 (2,05-12,31)
Rated absorbed power	W	3.270	3.800
Rated EER	-	3,23	3,24
Rated absorbed current	A	15	17,3
Operating temperature	°C	-15/50	-15/50
Outdoor unit			
Compressor type	-	Rotary DC inverter	Rotary DC inverter
Air flow rate	m³/h	4.000	3.850
Sound pressure	dB(A)	62,5	61,5
Sound power	dB(A)	70	70
Dimensions (H x L x D)	mm	810x946x410	810x946x410
Net/gross weight	kg	68,8/75,6	74,1/79,5
General data			
Electric power supply	Ph/V/Hz	1 Ph/220-240/50	1 Ph/220-240/50
Maximum absorbed power	W	4.600	4.700
Maximum absorbed current	A	21,5	22
Type of refrigerant/GWP	-	R32/675	R32/675
Refrigerant preload	kg	2,1	2,9
Liquid/gas refrigerant connections	mm(inch)	4x6,35(1/4)-3x9,52(3/8) + 1x12,7(1/2)	5x6,35(1/4)-4x9,52(3/8) + 1x12,7(1/2)
Maximum no. of indoor units that can be coupled	-	4	5

THE REPORTED NOMINAL DATA REFERS TO THE FOLLOWING CONDITIONS (in compliance with EN 14511)

ENVIRONMENT	COOLING (°C)	CENTRAL HEATING (°C)
INDOOR AIR-OUTDOOR AIR Temp. (db/wb)	27/19 - 35/24	20/15 - 7/6



20.1

INDOOR UNITS TECHNICAL DATA

UI THOR wall-mounted indoor units technical data

UI THOR		9	12	18	24
Heating performance					
Rated output power	Btu/h (kW)	10.000 (2,93)	13.000 (3,81)	18.400 (5,39)	25.000 (7,33)
Rated absorbed power	W	21	23	36	68
Rated absorbed current	A	0,11	0,11	0,15	0,28
Room temperature	°C	0-30	0-30	0-30	0-30
Cooling performance					
Rated output power	Btu/h (kW)	9.000 (2,64)	12.000 (3,52)	18.000 (5,28)	24.000 (7,03)
Rated absorbed power	W	21	23	36	68
Rated absorbed current	A	0,11	0,11	0,15	0,28
Room temperature	°C	16-32	16-32	17-32	17-32
General data					
Air flow rate (max. - med. - min.)	m³/h	460-330-260	530-400-350	800-600-500	1090-770-610
Sound pressure (max. - med. - min.)	dB(A)	37-32-22	37-32-22	41-37-31	46-37-34,5
Sound power	dB(A)	54	56	56	62
Dimensions (H x L x D)	mm	292x729x204	296x805x205	321x971x230	337x1082x234
Net/gross weight	kg	8/10,5	8,7/11,5	11,2/14,6	13,6/17,3
Liquid/gas refrigerant connections	mm(inch)	6,35 (1/4) 9,52 (3/8)	6,35 (1/4) 9,52 (3/8)	6,35 (1/4) 12,7 (1/2)	9,52 (3/8) 15,88 (5/8)

UI CAS recessed and false ceiling internal units technical data

UI CAS		9	12	18
Heating performance				
Rated output power	Btu/h (kW)	10.000 (2,93)	13.000 (3,81)	19.000 (5,57)
Rated absorbed power	W	45	45	45
Rated absorbed current	A	0,5	0,5	0,5
Room temperature	°C	0-30	0-30	0-30
Cooling performance				
Rated output power	Btu/h (kW)	9.000 (2,64)	12.000 (3,52)	18.000 (5,28)
Rated absorbed power	W	45	45	45
Rated absorbed current	A	0,5	0,5	0,5
Room temperature	°C	16-32	16-32	16-32
General data				
Air flow rate (max. - med. - min.)	m³/h	580-500-300	620-520-300	660-540-300
Sound pressure (max. - med. - min.)	dB(A)	39-37-35	41-38-35	43-39,5-35,5
Sound power	dB(A)	55	58	60
Dimensions (H x L x D)	mm	245x570x570	245x570x570	245x570x570
Net/gross weight	kg	14,5/16,5	16,1/18,8	16,2/19
Liquid/gas refrigerant connections	mm(inch)	6,35 (1/4) 9,52 (3/8)	6,35 (1/4) 9,52 (3/8)	6,35 (1/4) 12,7 (1/2)

THE REPORTED NOMINAL DATA REFERS TO THE FOLLOWING CONDITIONS (in compliance with EN 14511)

ENVIRONMENT	COOLING (°C)	CENTRAL HEATING (°C)
INDOOR AIR-OUTDOOR AIR Temp. (db/wb)	27/19 - 35/24	20/15 - 7/6



INDOOR UNITS TECHNICAL DATA (CONTINUED)

UI CONS console indoor units for vertical confined space installation technical data

UI CONS		9	12	18
Heating performance				
Rated output power	Btu/h (kW)	10.000 (2,93)	13.000 (3,81)	18.000 (5,28)
Rated absorbed power	W	45	45	55
Rated absorbed current	A	0,18	0,18	0,22
Room temperature	°C	0-30	0-30	0-30
Cooling performance				
Rated output power	Btu/h (kW)	9.000 (2,64)	12.000 (3,52)	17.000 (4,98)
Rated absorbed power	W	45	45	55
Rated absorbed current	A	0,18	0,18	0,22
Room temperature	°C	16-32	16-32	16-32
General data				
Air flow rate (max. - med. - min.)	m³/h	650-580-490	650-580-490	780-690-600
Sound pressure (max. - med. - min.)	dB(A)	37-34-27	37-34-27	41-38-32
Sound power	dB(A)	54	54	55
Dimensions (H x L x D)	mm	621x794x200	621x794x200	621x794x200
Net/gross weight	kg	14,9/18,8	14,9/18,8	14,9/18,8
Liquid/gas refrigerant connections	mm(inch)	6,35 (1/4) 9,52 (3/8)	6,35 (1/4) 9,52 (3/8)	6,35 (1/4) 9,52 (3/8)

UI SP indoor units for ceiling or floor installation technical data

UI SP		18
Heating performance		
Rated output power	Btu/h (kW)	19.000 (5,57)
Rated absorbed power	W	96
Rated absorbed current	A	0,44
Room temperature	°C	0-30
Cooling performance		
Rated output power	Btu/h (kW)	18.000 (5,28)
Rated absorbed power	W	96
Rated absorbed current	A	0,44
Room temperature	°C	16-32
General data		
Air flow rate (max. - med. - min.)	m³/h	958-839-723
Sound pressure (max. - med. - min.)	dB(A)	43,5-41-36,5
Sound power	dB(A)	57
Dimensions (H x L x D)	mm	235x1068x675
Net/gross weight	kg	28/33,3
Liquid/gas refrigerant connections	mm(inch)	6,35 (1/4) 12,7 (1/2)

THE REPORTED NOMINAL DATA REFERS TO THE FOLLOWING CONDITIONS (in compliance with EN 14511)

ENVIRONMENT	COOLING (°C)	CENTRAL HEATING (°C)
INDOOR AIR-OUTDOOR AIR Temp. (db/wb)	27/19 - 35/24	20/15 - 7/6



INDOOR UNITS TECHNICAL DATA (CONTINUED)

UI DUCT ductable indoor units for recessed or false ceiling installation technical data

UI DUCT		9	12	18
Heating performance				
Rated output power	Btu/h (kW)	10.000 (2,93)	13.000 (3,81)	20.500 (6,01)
Rated absorbed power	W	180	185	200
Rated absorbed current	A	1,1	1,1	1,3
Room temperature	°C	0-30	0-30	0-30
Cooling performance				
Rated output power	Btu/h (kW)	9.000 (2,64)	12.000 (3,52)	18.000 (5,28)
Rated absorbed power	W	180	185	200
Rated absorbed current	A	1,1	1,1	1,3
Room temperature	°C	16-32	16-32	16-32
General data				
Nominal useful head (min-max)	Pa	25 (0-40)	25 (0-60)	25 (0-100)
Air flow rate (max. - med. - min.)	m³/h	620-540-450	660-570-470	900-780-650
Sound pressure (max. - med. - min.)	dB(A)	40-34,5-27,5	41-38-34	41-38-34
Sound power	dB(A)	57	58	60
Dimensions (H x L x D)	mm	200x700x506	200x700x506	245x700x750
Net/gross weight	kg	16,6/19,8	16,6/19,8	24,4/29
Liquid/gas refrigerant connections	mm(inch)	6,35 (1/4) 9,52 (3/8)	6,35 (1/4) 9,52 (3/8)	6,35 (1/4) 12,7 (1/2)

THE REPORTED NOMINAL DATA REFERS TO THE FOLLOWING CONDITIONS (in compliance with EN 14511)

ENVIRONMENT	COOLING (°C)	CENTRAL HEATING (°C)
INDOOR AIR-OUTDOOR AIR Temp. (db/wb)	27/19 - 35/24	20/15 - 7/6



Air conditioners

21 POSSIBLE COMBINATIONS BETWEEN MULTI-OUTDOOR AND INDOOR UNITS

UE MULTI	No. of indoor units	Indoor unit combinations					
18 DUAL	1	12	18	-	-	-	-
	2	9+9	9+12	9+18	12+12	12+18	-
21 TRIAL	1	12	18	24	-	-	-
	2	9+9	9+12	9+18	12+12	12+18	-
	3	9+9+9	-	-	-	-	-
27 TRIAL	1	18	24	-	-	-	-
	2	9+9	9+12	9+18	12+12	12+18	-
	3	9+9+9	9+9+12	9+9+18	9+12+12	12+12+12	-
28 QUADRI	2	9+9	9+12	9+18	9+24	12+12	12+18
		12+24	-	-	-	-	-
	3	9+9+9	9+9+12	9+9+18	9+9+24	9+12+12	9+12+18
		9+12+24	12+12+12	12+12+18	-	-	-
	4	9+9+9+9	9+9+9+12	9+9+9+18	9+9+12+12	9+9+12+18	-
36 QUADRI	2	9+9	9+12	9+18	9+24	12+12	12+18
		12+24	-	-	-	-	-
	3	9+9+9	9+9+12	9+9+18	9+9+24	9+12+12	9+12+18
		9+12+24	12+12+12	12+12+18	12+12+24	-	-
	4	9+9+9+9	9+9+9+12	9+9+9+18	9+9+12+12	9+9+12+18	9+12+12+12
		12+12+12+12	-	-	-	-	-
42 PENTA	2	9+12	9+18	9+24	12+12	12+18	12+24
	3	9+9+9	9+9+12	9+9+18	9+9+24	9+12+12	9+12+18
		9+12+24	12+12+12	12+12+18	12+12+24	-	-
	4	9+9+9+9	9+9+9+12	9+9+9+18	9+9+9+24	9+9+12+12	9+9+12+18
		9+9+12+24	9+12+12+12	9+12+12+18	9+12+12+24	12+12+12+12	12+12+12+18
		12+12+12+24	-	-	-	-	-
	5	9+9+9+9+9	9+9+9+9+12	9+9+9+9+18	9+9+9+9+24	9+9+9+12+12	9+9+9+12+18
		9+9+9+12+24	9+9+12+12+12	9+9+12+12+18	9+9+12+12+24	9+12+12+12+12	9+12+12+12+18
		12+12+12+12+12	12+12+12+12+18	-	-	-	-



Air conditioners

22	OPTIONALS FOR AIR CONDITIONERS	
TEMPERATURE CONTROL OPTIONALS		Code
Wi-Fi kit for UI THOR wall-mounted and UI CONS console indoor units - including USB drive		3.035060
Wi-Fi kit for UI DUCT ductable and UI SP ceiling/floor indoor units - including USB drive, support base, infrared remote control and link cables		3.035061
Wi-Fi kit for UI CAS recessed or false ceiling cassette indoor units- including USB drive, support base and link cable		3.035344
OTHER OPTIONALS		Code
UI CAS cassette frame kit - to provide per cassette (620 x 620 x 50 mm)		3.035052
Floor support kit for UE THOR 9-12 & UE GOTH A		3.035408
Floor support kit for UE THOR 18-24 & UE MULTI		3.035409
Wall brackets kit depth 700 mm for UE THOR, UE GOTH A & UE MULTI 18-21-27		3.034758
Wall brackets kit depth 800 mm for UE MULTI 28-36-42		3.035411
Conduit kit with condensate drain UI THOR & UI GOTH A - with siphon		3.035345



During the useful life of the products, performance is affected by external factors, e.g. atmospheric agents, exposure and so on. The declared data refer to new products that are correctly installed and used in observance of the Standards in force.
N.B.: correct periodic maintenance is highly recommended.

NOTE: Depending on the specific design and installation conditions, the drawings and graphical elaboration stated in this documentation can request further integration or modifications, according to that envisioned by the Standards and technical regulations in force and applicable. It is the professional's responsibility to identify the applicable provisions, to evaluate compliance with these in each case and the necessity of any changes to diagrams and drawings.

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