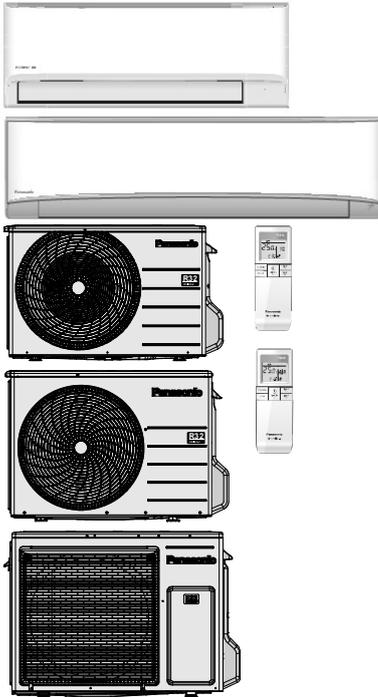


Service Manual

Air Conditioner



Indoor Unit	Outdoor Unit
CS-TZ20WKEW	CU-TZ20WKE
CS-TZ25WKEW	CU-TZ25WKE
CS-TZ35WKEW	CU-TZ35WKE
CS-TZ42WKEW	CU-TZ42WKE
CS-TZ50WKEW	CU-TZ50WKE
CS-TZ60WKEW	CU-TZ60WKE
CS-TZ71WKEW	CU-TZ71WKE
CS-RZ20WKEW	CU-RZ20WKE
CS-RZ25WKEW	CU-RZ25WKE
CS-RZ35WKEW	CU-RZ35WKE
CS-RZ50WKEW	CU-RZ50WKE

Destination
Europe
Turkey

Please file and use this manual together with the service manual for Model No. CU-2Z35TBE, CU-2Z41TBE, CU-2Z50TBE, CU-3Z52TBE, CU-3Z68TBE, CU-4Z68TBE, CU-4Z80TBE, CU-5Z90TBE, CU-2TZ41TBE, CU-2TZ50TBE, CU-3TZ52TBE, Order No. PAPAMY1702035CE, PAPAMY1703049CE, PAPAMY1710082CE, PAPAMY1802045CE, PAPAMY1802091CE.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

⚠ PRECAUTION OF LOW TEMPERATURE

In order to avoid frostbite, be assured of no refrigerant leakage during the installation or repairing of refrigerant circuit.

⚠ CAUTION

R32 REFRIGERANT – This Air Conditioner contains and operates with refrigerant R32.

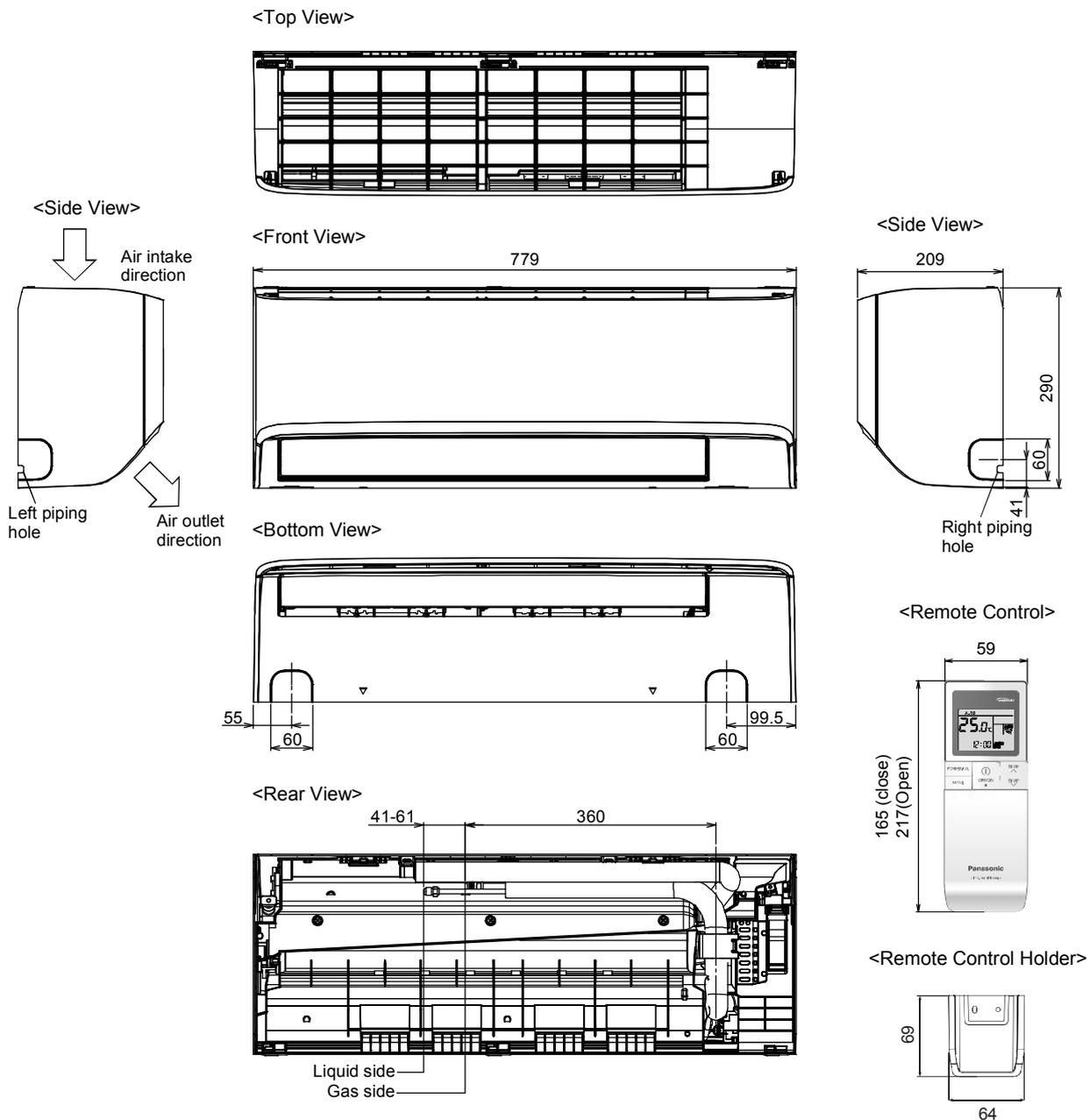
THIS PRODUCT MUST ONLY BE INSTALLED OR SERVICED BY QUALIFIED PERSONNEL.

Refer to National, State, Territory and local legislation, regulations, codes, installation & operation manuals, before the installation, maintenance and/or service of this product.

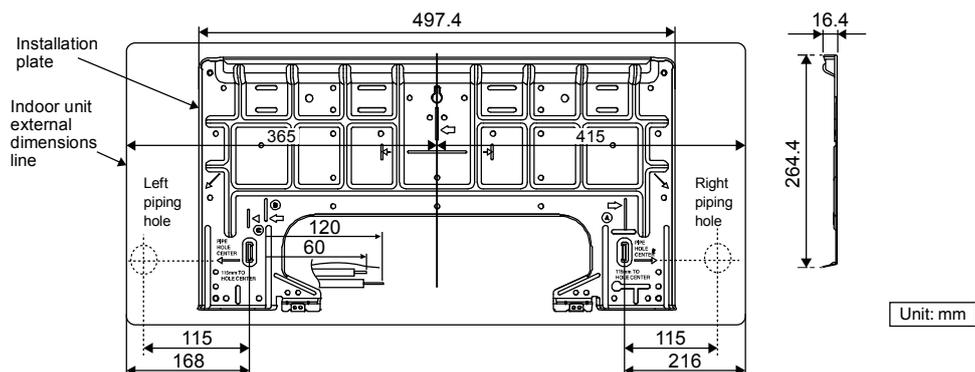
6. Dimensions

6.1 Indoor Unit

6.1.1 CS-TZ20WKEW CS-TZ25WKEW CS-TZ35WKEW CS-TZ42WKEW CS-TZ50WKEW CS-RZ20WKEW CS-RZ25WKEW CS-RZ35WKEW CS-RZ50WKEW

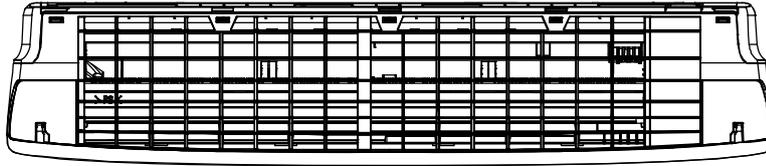


Relative position between the indoor unit and the installation plate <Front View>

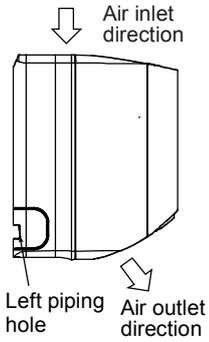


6.1.2 CS-TZ60WKEW CS-TZ71WKEW

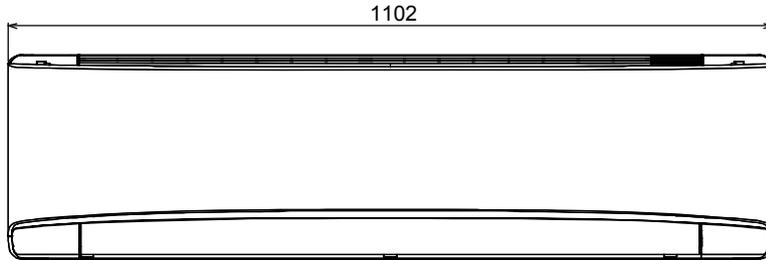
<Top View>



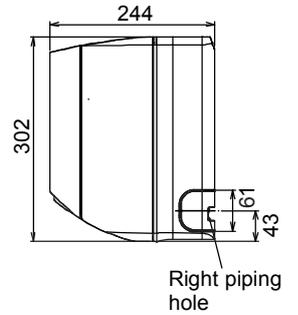
<Side View>



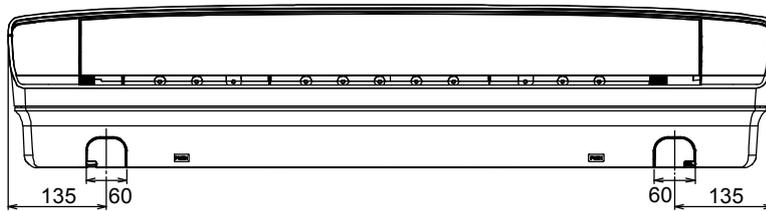
<Front View>



<Side View>



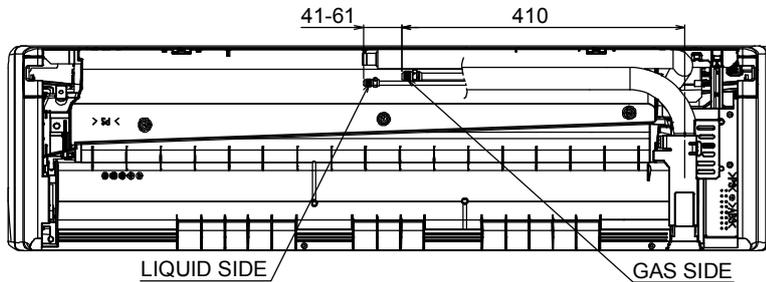
<Bottom View>



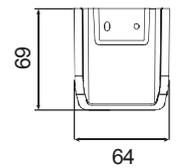
<Remote Control>



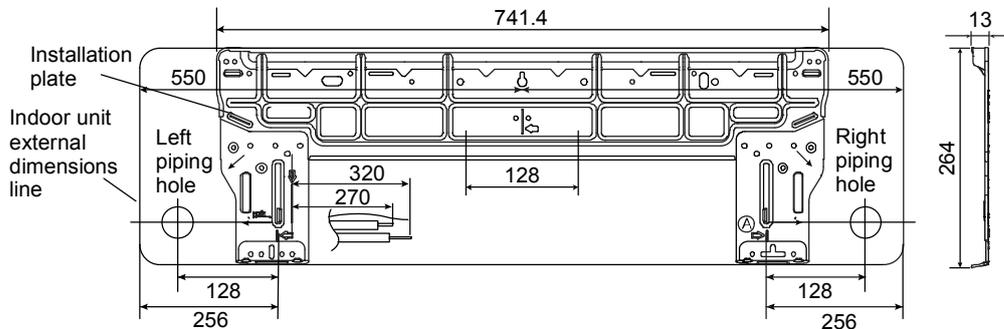
<Rear View>



<Remote Control Holder>



Relative position between the indoor unit and the installation plate <Front View>

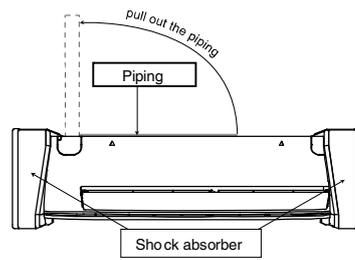
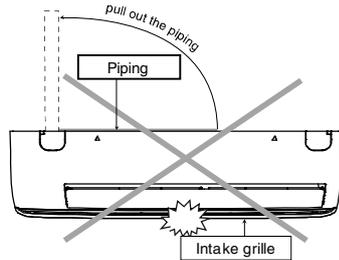


Unit: mm

12.2.3 Indoor Unit Installation

Pull out the Indoor piping

- Do not turn over the unit without shock absorber during pull out the piping. It may cause intake grille damage.
- Use shock absorber during pull out the piping to protect the intake grille from damage.



12.2.3.1 For the Right Rear Piping

Step-1 Pull out the Indoor piping

Step-2 Install the Indoor Unit

Step-3 Secure the Indoor Unit

Step-4 Insert the power supply cord and connection cable

- Insert the cables from bottom of the unit through the control board hole until terminal board area.

12.2.3.2 For the Right and Right Bottom Piping

Step-1 Pull out the Indoor piping

Step-2 Install the Indoor Unit

Step-3 Insert the power supply cord and connection cable

- Insert the cables from bottom of the unit through the control board hole until terminal board area.

Step-4 Secure the Indoor Unit

12.2.3.3 For the Embedded Piping

Step-1 Change the drain hose position

Step-2 Bend the embedded piping

- Use a spring bender or equivalent to bend the piping so that the piping is not crushed.

Step-3 Pull the connection cable into Indoor Unit

- The power supply cord and indoor unit and outdoor unit connection cable can be connected without removing the front grille.

Step-4 Cut and flare the embedded piping

- When determining the dimensions of the piping, slide the unit all the way to the left on the installation plate.
- Refer to the column "Cutting and flaring the piping".

Step-5 Install the Indoor Unit

Step-6 Connect the piping

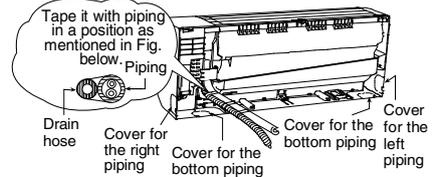
- Please refer to "Connecting the piping" column in outdoor unit section. (Below steps are done after connecting the outdoor piping and gas-leakage confirmation.)

Step-7 Insulate and finish the piping

- Please refer to "Insulation of piping connection" column as mentioned in indoor/outdoor unit installation.

Step-8 Secure the Indoor Unit

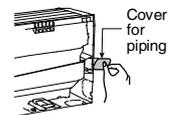
Right Rear piping



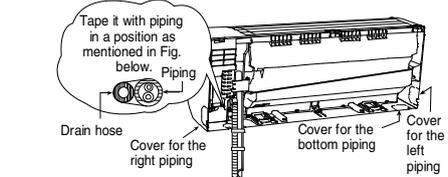
How to keep the cover

In case of the cover is cut, keep the cover at the rear of chassis as shown in the illustration for future installation.

(Left, right and 2 bottom covers for piping.)



Right and Right bottom piping

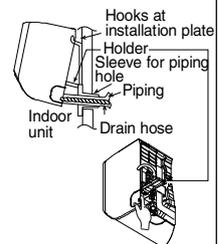


Install the indoor unit

Hook the indoor unit onto the upper portion of installation plate.

(Engage the indoor unit with the upper edge of the installation plate). Ensure the hooks are properly seated on the installation plate by moving it in left and right.

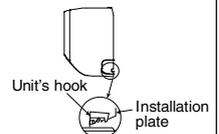
In case of embedded piping, for model (TZ20***, TZ25***, TZ35***, TZ42***, TZ50***, RZ20***, RZ25***, RZ35***, RZ50***) there is an option to use the holder at the rear of chassis to prop up the indoor unit as shown in the illustration for ease of installation. Push the holder back to original position before secure the indoor unit.



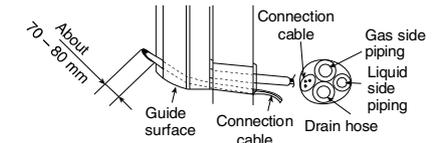
- Press the area of orange color to release holder.

Secure the Indoor Unit

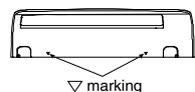
Press the lower left and right side of the unit against the installation plate until hooks engages with their slot (sound click).



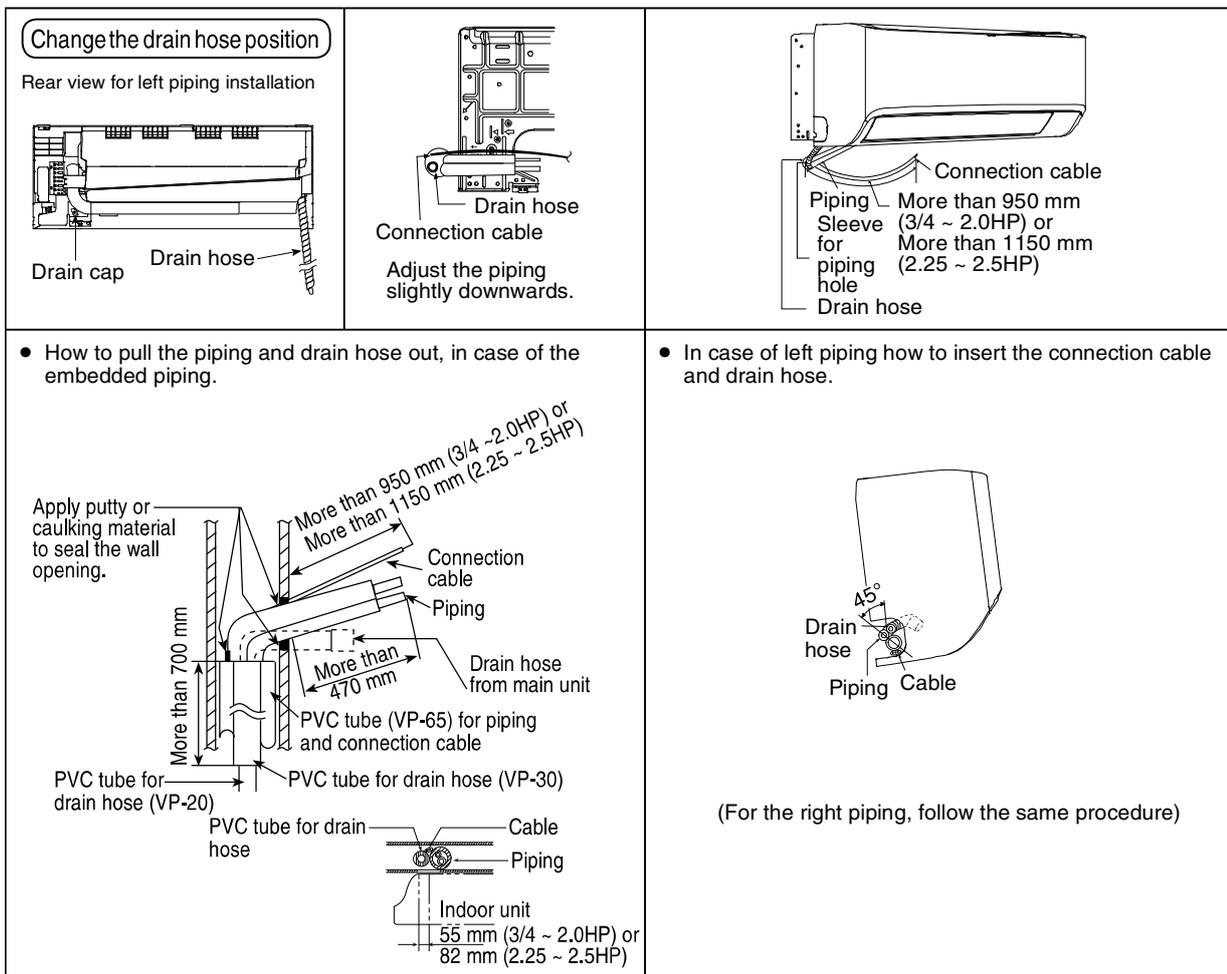
Insert the connection cable



To take out the unit, push the ▽ marking at the bottom unit, and pull it slightly towards you to disengage the hooks from the unit.



(This can be used for left rear piping also.)



12.2.4 Connect the Cable to the Indoor Unit

- The power supply cord, indoor and outdoor unit connection cable can be connected without removing the front grille.
 - Install the indoor unit on the installing holder that mounted on the wall.
 - Open the front panel and grille door by loosening the screw.
 - Cable connection to the power supply through Isolating Devices (Disconnecting means).
 - Connect the approved polychloroprene sheathed **power supply cord** 3 x 1.5 mm² (3/4 ~ 1.75HP) or 3 x 2.5 mm² (2.0 ~ 2.5HP), type designation 60245 IEC 57 or heavier cord to the terminal board, and connect the other end of the cable to Isolating Devices (Disconnecting means).
 - Do not use joint power supply cord. Replace the wire if the existing wire (from concealed wiring, or otherwise) is too short.
 - In unavoidable case, joining of power supply cord between isolating devices and terminal board of air conditioner shall be done socket and plug rated 15/16A (3/4 ~ 1.75HP) or 16A (2.0 ~ 2.25HP) or 20A (2.5HP). Wiring work to both socket and plug must follow to national wiring standard.
 - Bind all the **power supply cord** lead wire with tape and route the power supply cord via the left side escapement.
 - Connection cable** between indoor unit and outdoor unit shall be approved polychloroprene sheathed 4 x 1.5 mm² (3/4 ~ 1.75HP) or 4 x 2.5 mm² (2.0 ~ 2.5HP) flexible cord, type designation 60245 IEC 57 or heavier cord.
 - Bind all the indoor and outdoor **Connection cable** with tape and route the connection cable via the right side escapement.
 - Remove the tapes and connect the power supply cord and connection cable between indoor unit and outdoor unit according to the diagram below.

