

3. Protective zone



CAUTION:

The unit contains R290 refrigerant which is highly flammable. Great care must be taken when installing and servicing the unit which must be installed/serviced by a competent electrician, with the requisite professional qualifications to install this unit in your jurisdiction. In the event of a refrigerant leak, the installer and/or person in possession of the unit must ensure that no person is endangered outdoors or in adjacent buildings and no refrigerant has the potential to travel from the unit into the building and drainage systems. If you are concerned about a possible refrigerant leak from your unit, please contact your installer/supplier immediately or contact Mitsubishi Electric in your region directly for more information.

A protective zone must be maintained around the area closest to the unit. See shaded in Fig. 3-1.



WARNING:

- There must not be any building openings, entrance to the basement, grooves or entrance into the waste-water system. (such as windows, doors, ventilation openings or similar opening, flat-roof windows, light shafts, subsidence or depressions in the ground, pump shafts, inlets in sewers and waste water shafts, downpipes etc.)
- The protective zone must not extend to adjacent buildings or public traffic areas. (such as property boundaries or neighboring properties, footpaths and driveways)
- Ignition sources must not be present in the protective zone, either permanently or for a short period of time. (such as open flame, electrical systems, sockets, lamps, light switches, electrical house connections, sparking tools, objects with high surface temperatures of 370°C or higher)



Protective zone

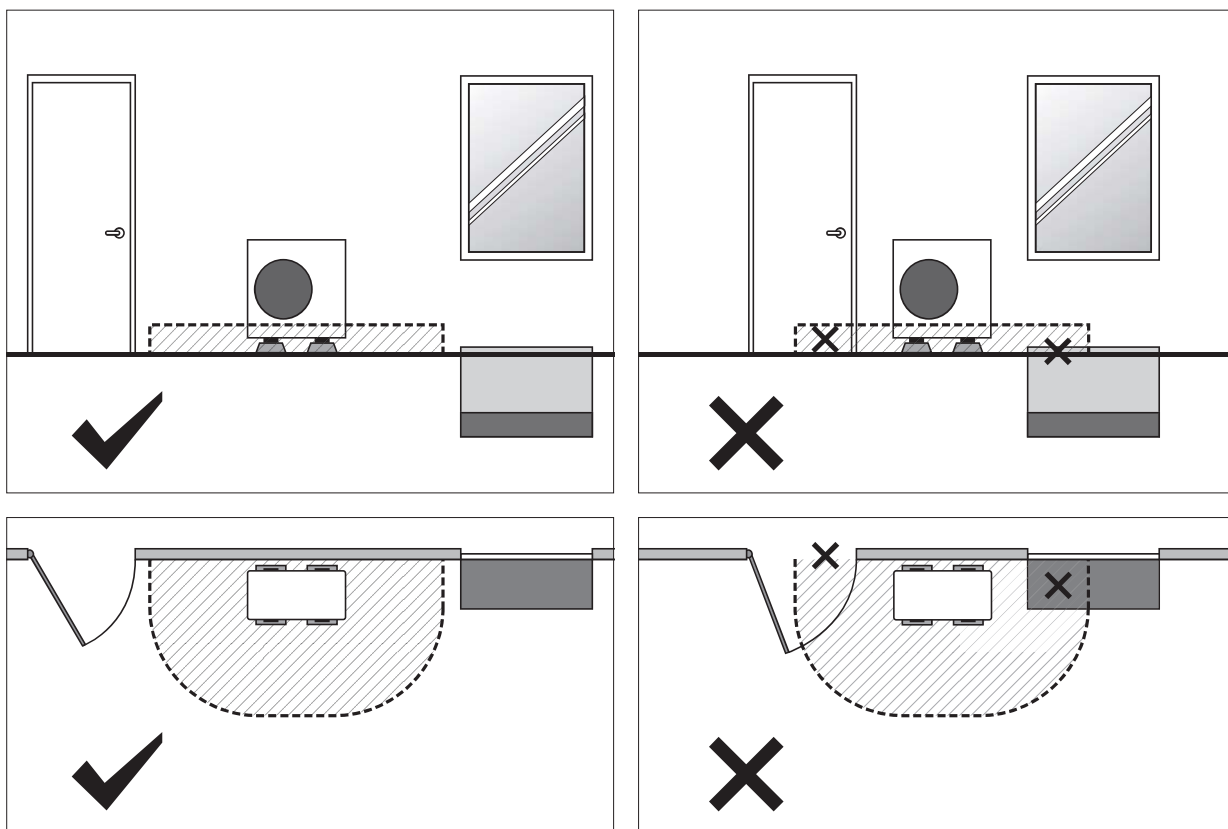


Fig. 3-1

3. Protective zone

- Specific dimensions of the protective zone are specified for each installation condition. Refer to the figures for each case.

(1) When installed in a location with an open around (Fig. 3-2)

Define the protective zone as follows:

- 1 m around of the unit
- 0.3 m from the ground.

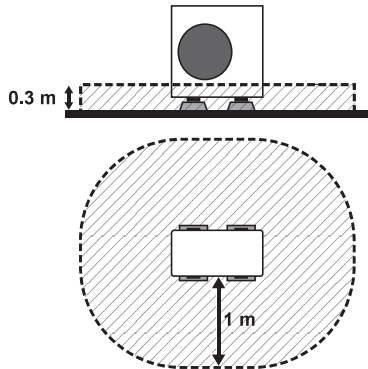


Fig. 3-2

(2) When installed in a location with 3 surfaces opened (in front of a building wall) (Fig. 3-3)

Define the protective zone as follows:

- 1 m to the sides and to the front of the unit
- the rear of the unit to the wall
- 0.3 m from the ground.

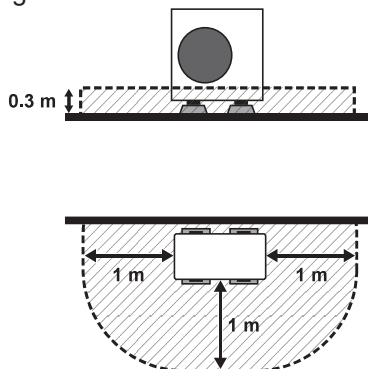


Fig. 3-3

(3) When installed in a location with 2 surfaces opened (where the distance between one side of the unit and the wall is less than 1 m, e.g. at the corner of a building wall) (Fig. 3-4)

Define the protective zone as follows:

- 1 m to the open side of the unit (A)
- 2.5 m to the front of the unit
- from the side of the unit to the wall (B)
- the rear of the unit to the wall
- 0.3 m from the ground.

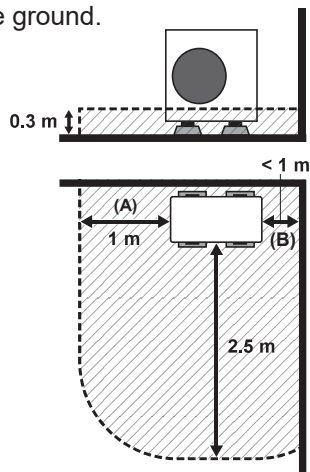


Fig. 3-4

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(4) When installed in a location where only the front opened (building walls on both sides)

Where the distance between both sides of the unit and the wall is more than 1 m, define the protective zone as follows: (Fig. 3-5)

- 1 m to the sides and to the front of the unit
- the rear of the unit to the wall
- 0.3 m from the ground.

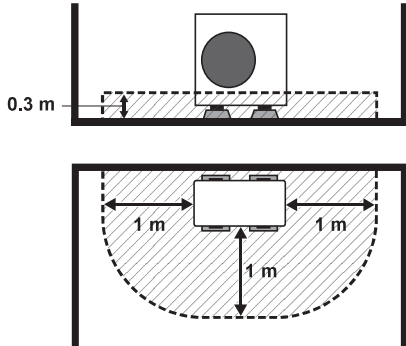


Fig. 3-5

Where the distance between both sides of the unit and the wall is less than 1 m, define the protective zone as follows: (Fig. 3-6)

- from the both sides of the unit to the wall
- 2.5 m to the front of the unit
- the rear of the unit to the wall
- 0.3 m from the ground.

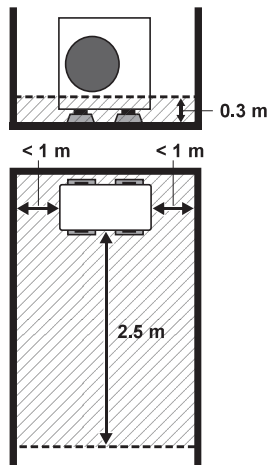


Fig. 3-6

Where the distance between one side of the unit and the wall is less than 1 m, same conditions as shown in Fig. 3-4 apply.