

# Installation Manual of Room Air Conditioner

## Preparation

### Necessary Tools for Installation

- Hammer
- Nipper
- Hack saw
- Hole core drill
- Spanner(17,19 and 25mm)
- Gas leakage detector or soap-and-water solution
- Torque wrench (17mm,22mm,26mm)
- Pipe cutter
- Flaring tool
- Knife
- Measuring tape
- Router

### Power Source

- Before inserting power plug into receptacle, check the voltage without fail. The power source is the same as the corresponding name plate.
- Install an exclusive branch circuit of the power.
- A receptacle shall be set up in a distance where the power cable can be reached. Do not extend the cable by cutting it.

### Selection of Installation Place

#### Indoor Unit - Select a location that is

- Robust not causing vibration, where the body can be supported sufficiently.
- Not affected by heat or steam generated in the vicinity, where inlet and outlet of the unit are not disturbed.
- Possible to drain easily, where piping can be connected with the outdoor unit.
- Where cold air can be spread in a room evenly.
- Nearby a power receptacle. (Refer to drawings).
- Place where the distance of more than 1m from televisions, radios, wireless apparatuses and fluorescent lamps can be left.
- In the case of fixing the remote controller on a wall, place where the indoor unit can receive signals when the fluorescent lamps in the room are in use.

#### Outdoor Unit - Select a location that is

- Less affected by rain or direct sunlight and is sufficiently ventilated.
- Strong enough to bear the unit, where vibration and noise are not increased.
- Not causing a nuisance to neighbors due to discharged air or noise.
- A distance marked as is available as illustrated in the below figure.

## Drawing for the installation of indoor and outdoor units

The models adopt HCFC free refrigerant R410A.



The above picture is for your reference only. Your product may look different.  
Read this manual before installation.  
Explain the operation of the unit to the user according to this manual.  
NO.0010536242

# Hvac Pro Manual

**Howard C. Massey**



## Hvac Pro Manual:

**The HVAC Pro's Playbook: A Handy Guide to Systems and Solutions** Charles Nehme, The world of HVAC is a complex ever evolving field critical to modern comfort safety and energy efficiency This HVAC Handy Cookbook is designed as a practical and accessible reference guide distilling decades of industry knowledge into a single easy to use resource Whether you are an experienced professional a student or a facility manager this book serves as a quick reference tool for the most commonly encountered HVAC components maintenance tasks calculations and problem solving scenarios The goal is to provide concise actionable information that helps you maintain optimal performance in any built environment

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**Air-conditioning System Design Manual** Walter T.

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