

# Installation Manual of Room Air Conditioner

## Preparation

### Necessary Tools for Installation

- Hammer
- Nipper
- Hack saw
- Hole core drill
- Spanner(17,19 and 26mm)
- 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

**M Mark**



## 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

**Controls and Automation for Facilities Managers** Viktor Boed,1998-06-23 Building owners and managers expect fully automated and energy efficient operations on line diagnostic of systems parameters to prevent failures and on line diagnostic of problems prior to exposing occupants to deteriorating environmental conditions A simple HVAC control is no longer acceptable by current standards Controls and Automation for Facilities Managers examines principles and applications of HVAC engineering outlining information for design development of operations logic systems diagnostics and building of environmental conditions with reliability and minimum operating cost The book moves from the principles of mechanical engineering related to HVAC systems through DDC applications engineering thereby summarizing complex topics of electrical engineering for mechanical engineers Individual chapters Provide essential information on related mechanical HVAC engineering controls strategies and examples of basic algorithms for on line diagnostics Guide DDC application engineers to a more thorough understanding of mechanical engineering disciplines i e the psychrometric chart as well as guide mechanical engineers to a more thorough understanding of DDC applications engineering i e direct digital controllers and systems Outline information on current topics Discussions also include Indoor air quality presenting material for facilities engineers as well as controls and consulting engineers Utilities metering describing the distribution of real time data over a network including consumption alarms diagnostics trends and reports On line problem diagnostics outlining HVAC and environmental problems Controls and Automation for Facilities Managers serves as an exceptional guide for facilities managers and engineers architects and consulting engineers vendors and contractors and other professionals in the design application and implementation of controls and automation systems for industrial educational institutional and governmental facilities This reference will enhance design systems implementation systems operation and maintenance effecting the ultimate goal of its readers implementation of fully automated environmental control systems trouble free operation and optimization of operating and maintenance cost Builder's Guide to Accounting Michael C. Thomsett,2001-07 This book includes self test section at the end of each chapter Test yourself then check answers in the back of the book to see how you score CD ROM included Contractor's Guide to Quickbooks Pro 2002 Karen Mitchell,Craig Savage,Jim Erwin,2002 According to a recent national survey more construction contractors use QuickBooks

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**Plumber's Exam Preparation Guide** Howard C. Massey,1985 Hundreds of questions and answers to help you pass the apprentice journeyman or master plumber s exam Questions are in the style of the actual exam The best way to prepare yourself for examination day [Illustrated Guide to the 1999 National Electrical Code](#) John E. Traister,1999 This fully illustrated guide offers a quick and easy visual reference for installing electrical systems Whether you re installing a new system or repairing an old one you ll appreciate the simple explanations written by a code expert and the detailed intricately drawn and labeled diagrams A real time saver when it comes to deciphering the current NEC

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**Air-conditioning System Design Manual** Walter T. Grondzik,2007 The Air

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