

	FX09/12+ FX09/12+ FXL09/12+	FXN09/12+ FXN09/12+	FX18+ FX18+ FXN18+ FXN18+ FXL15+	FX24+ FX24+ FXN24+ FXN24+
Max. allowable piping length	65-5/8ft (20m)	49-1/4ft (15m)	98-1/2ft (30m)	
Min. allowable piping length	10ft (3m)			
Max. allowable piping height	49-1/4ft (15m)	39-3/8ft (12m)	65-5/8ft (20m)	
Additional refrigerant required for refrigerant pipe exceeding 32.8ft (10m) in length.	0.21oz/ft (20g/m)			
Gas pipe	O.D. 3/8 inch (9.5mm)	O.D. 1/2 inch (12.7mm)	O.D. 5/8 inch (15.9mm)	
Liquid pipe	O.D. 1/4 inch (6.4mm)			

\*Be sure to add the proper amount of additional refrigerant.

Failure to do so may result in reduced performance.

\*\*The suggested shortest pipe length is 10ft (3m), in order to avoid noise from the outdoor unit and vibration.

(Mechanical noise and vibration may occur depending on how the unit is installed and the environment in which it is used.)

If strong wind blows into the air discharge side from the front and there is a danger that the fan may be damaged, change the orientation of the air discharge side of the outdoor unit or use an air direction adjustment grille (sold separately).

	X	Y	Z
09/12 class	18-1/2 inch (470mm)	12-1/8 inch (308mm)	3-13/16 inch (97mm)
15/18/24 class	23-5/8 inch (600mm)	13-5/8 inch (346mm)	4-15/16 inch (125mm)

Allow 11-13/16" (300mm) of work space below the ceiling surface.

Refrigerant piping must be protected from physical damage. Install a plastic cover or equivalent.

Wrap the insulation pipe with finishing tape from bottom to top.

## CAUTION

Keep the piping length between 10ft (3m) and 65-5/8ft (20m) (for FX09/12, FX09/12, FXL09/12), 10ft (3m) and 49-1/4ft (15m) (for FXN09/12, FXN09/12), 10ft (3m) and 98-1/2ft (30m) (for 15/18/24 class).

### Stop valve cover

#### ■ How to remove the stop valve cover

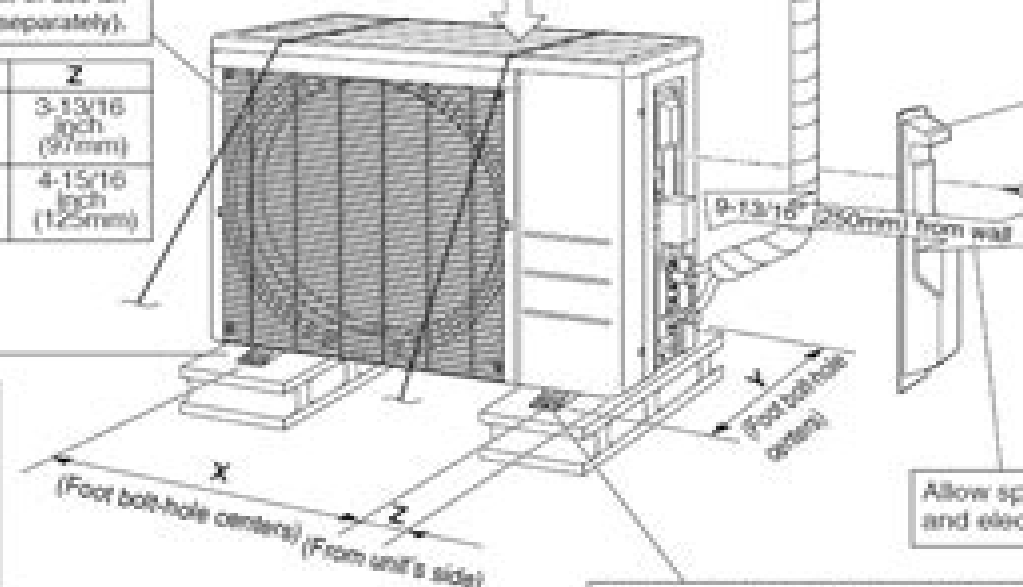
- 1) Remove the screw on the stop valve cover.
- 2) Slide the stop valve cover downward to remove it.

#### ■ How to attach the stop valve cover

- 1) Insert the upper part of the stop valve cover into the outdoor unit.
- 2) Tighten the screw.

Allow space for piping and electrical servicing.

If there is a danger of the unit falling or overturning, fix the unit with foundation bolts, or with wire or other means.



In sites with poor drainage, use block bases for the outdoor unit. Adjust foot height until the unit is level. Otherwise, water leakage or pooling of water may occur.

Appearance of outdoor units may differ from some models.

# Ac Instalation Guide

**RM Cervero**



## Ac Instalation Guide:

*All About Solar Energy - Complete Guide to Designing and Installing Photovoltaic Power Plants* Renato Andrade,2024-10-16 This e book is organized in a way to facilitate the reader s progressive learning The structure is composed of the following chapters Chapter 1 Introduction A brief history of the development of the photovoltaic system and its evolution Chapter 2 Fundamentals of Solar Photovoltaic Energy Detailed explanation of the technical concepts behind solar energy Chapter 3 Diagnosis of the Energy Consumption Profile How to calculate energy consumption to correctly size the system Chapter 4 Photovoltaic System Sizing Step by step to calculate the number of plates needed Chapter 5 Inverter Sizing Calculations to choose the suitable inverter Chapter 6 Installation of the Photovoltaic System Practical guide for safe installation of components Chapter 7 Project Approval How to approve the project with the energy concessionaire Chapter 8 Budget and Purchase of Materials Tips for finding the best suppliers and calculating costs Chapter 9 Monitoring and Maintenance How to monitor energy generation and carry out system maintenance Chapter 10 Tips for starting a business in the Solar sector Tips on how to start your business and market opportunities Chapter 11 Examples of Sizing a Photovoltaic Plant Step by step to carry out the sizing of a Photovoltaic plant This division ensures that the reader regardless of their experience is able to progress in a structured way acquiring the knowledge necessary to carry out a complete project

**Contractor's Guide to the Building Code** Jack M. Hageman,2008 Don t let your jobs be held up by failing code inspections Smooth sign off by the inspector is the goal but to make this ideal happen on your job site you need to understand the requirements of latest editions of the International Building Code and the International Residential Code Understanding what the codes require can be a real challenge This new completely revised Contractor s Guide to the Building Code cuts through the legalese of the code books It explains the important requirements for residential and light commercial structures in plain simple English so you can get it right the first time **Electrical Installation Guide** ,2008 Minimum Property Requirements for Properties of One Or Two Living Units Located in Six Rocky Mountain States United States. Federal Housing Administration,1954 **Minimum Property Requirements for Properties of One Or Two Living Units ... [by State and Region]** United States. Federal Housing Administration,1955 Minimum Property Requirements for Properties of Three Or More Living Units [by State, Territory Or Districts Covered by the Insuring Offices United States. Federal Housing Administration,1953 **Minimum Property Requirements for Properties of One Or Two Living Units** United States. Federal Housing Administration,1956 *Chilton's Guide to Air Conditioning Repair and Service* ,1990 **Electrical Standards and Product Guide** ,2000 **Handbook and Guide for Selecting a Career and Preparing for the Future** ,1987 **The Installation and Getting Started Guides for Red Hat Linux 6.0** Dale Scheetz,1999-07 *How to Install Air-Conditioning in House* Barry Thierry,2018-06-10 This book was created to direct readers the right way of installing different types of air conditioning units Cooling equipment is necessary equipment needed by humans With the ever warming

temperature and increasing humidity of the environment installing air conditioning units at home and at work area is vital to productivity The history of air cooling systems is mentioned in the first chapter where it was mentioned that it originated from the Ancient Egypt Ancient Romans followed what the Egyptians started while the Persians continued then trend It was not until an American engineer developed the model of the modern units we use today Chapter two of How to Install Air Conditioning in House defines what air conditioning is all about It tells the difference of personal comfort and industrial applications Industrial air conditioning usually requires better precision about temperature humidity and moisture control Some applications also demand a high degree of filtering and removal of contaminants In chapter three it talks about how an air conditioning unit works While most of us consider air conditioning as associated with cold it is basically a concept of transfer of heat more technically known as heat convection An indoor unit absorbs more heat thus cool air is what is left behind In the succeeding chapters the different types of air conditioning systems are thoroughly specified as well as their advantages and disadvantages in using them There are health concerns that must be looked upon because many families are unaware about these health issues that might affect every user Chapter eight would tell the reader that an air conditioning system is installed inside a particular room Most especially when running a business AC system is one important thing to invest for It must be included in the list of expenses because working areas when humid affect the productivity of your personnel How to Install Air Conditioning in House also specifies the three key parts of an air conditioning unit namely the compressor the condenser and the evaporator Every unit s compressor and condenser are seen as the outer part of the unit while the evaporator is the one located in the room When these three major parts work they create the processes of enthalpy fluid pressure and the dissipation of heat As the process happens heat is always extracted and removed This particular heat is responsible in the separation and distinction of liquid from gas The author is totally in high spirits in creating this book as guide to installing a cooling system The book also includes the advantages or benefits one can get once an air conditioning unit is installed It also illustrates the reasons why installing a cooling system is very important **Approval Guide** ,1991

**Heating, Piping, and Air Conditioning** ,1936 Issues for Jan 1935 contain a directory of heating piping and air conditioning equipment ASHRAE Handbook ,1994 Heating, Ventilating, Air-conditioning Guide ,1922 *Guide to Split System Air Conditioners Installation* Charles Nehme, Welcome to this comprehensive guidebook on split system air conditioners and HVAC systems In a world where climate control plays a significant role in our comfort and well being understanding how these systems work how to install them and how to maintain them is invaluable This guide is designed to serve as your go to resource for all things related to split system air conditioners Whether you re a homeowner looking to install a new system a business owner seeking to improve indoor comfort or simply someone curious about how these systems operate you ll find a wealth of information within these pages Our goal is to provide you with clear and concise explanations of the key concepts installation procedures maintenance practices and safety considerations associated with

split system air conditioners We've also included helpful appendices a glossary and additional tips to enhance your understanding and ensure that you get the most out of your HVAC system It's important to recognize that split system air conditioners are more than just appliances they are essential tools for maintaining a comfortable and healthy living or working environment Proper installation and maintenance are crucial for their efficiency and longevity Safety is paramount when dealing with these systems and this guide aims to equip you with the knowledge and guidance needed to ensure your system operates safely and effectively Whether you're embarking on a DIY installation project looking to troubleshoot common issues or simply want to become a more informed consumer we hope this guide proves to be a valuable resource on your journey to understanding and maximizing the benefits of split system air conditioners Thank you for entrusting us with your quest for knowledge in the world of HVAC systems Let's begin this informative journey together

### Q A

According to my research the top 5 questions people ask Google about split system air conditioner installation are

- How much does it cost to install a split system air conditioner
- What size split system air conditioner do I need
- What are the best places to install a split system air conditioner
- How long does it take to install a split system air conditioner
- What are the benefits of installing a split system air conditioner

Here are some more detailed answers to these questions

- How much does it cost to install a split system air conditioner** The cost of installing a split system air conditioner will vary depending on a number of factors including the size of the system the complexity of the installation and the labor rates in your area However you can expect to pay between 2 000 and 5 000 for a basic split system air conditioner installation
- What size split system air conditioner do I need** The size of split system air conditioner you need will depend on the size of the room or area you want to cool You can calculate the required cooling capacity in British Thermal Units or BTUs using a variety of online calculators Once you know the required cooling capacity you can choose a split system air conditioner with the appropriate BTUs
- What are the best places to install a split system air conditioner** The best places to install a split system air conditioner are in high traffic areas such as living rooms and bedrooms You should also avoid installing the indoor unit in direct sunlight as this can reduce its efficiency The outdoor unit should be installed in a well ventilated area away from direct sunlight and heat sources
- How long does it take to install a split system air conditioner** A typical split system air conditioner installation can be completed in one day However the installation time may vary depending on the complexity of the installation
- What are the benefits of installing a split system air conditioner** Split system air conditioners offer a number of benefits including Energy efficiency Split system air conditioners are very energy efficient which can save you money on your energy bills Zoning Split system air conditioners allow you to zone your home so you can cool only the rooms you need to cool This can save you even more money on your energy bills Flexibility Split system air conditioners are very flexible and can be installed in a variety of locations This makes them a good choice for homes of all shapes and sizes Quiet operation Split system air conditioners operate very quietly so you can enjoy a cool and comfortable home without being disturbed by noise If you are considering

installing a split system air conditioner it is important to consult with a qualified HVAC technician to get a free estimate and to learn more about the benefits and drawbacks of different split system air conditioner models      **Home Appliance Buying Guide** ,1996      **Gas** ,1939      ASHRAE Handbook & Product Directory American Society of Heating, Refrigerating and Air-Conditioning Engineers,1979

## Unveiling the Magic of Words: A Review of "**Ac Instalation Guide**"

In some sort of defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their power to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Ac Instalation Guide**," a mesmerizing literary masterpiece penned with a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book is central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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