۲

# HITACHI



THE CHOICE OF MOUNTING SITE (Please note the following matters and obtain permission from customer before installation).

	WARNING     OUTDOOR UNIT     The unit should be mounted at stable, non-vibratory
flare	location which can provide full support to the unit.
tion,	CAUTION     Caution will increase.     The outdoor unit must be mounted at a location which can support heavy weight. Otherwise, noise and vibration will increase.
the cuit	No nearby heat source and no obstruction near the air outlet is allowed.
uit er	
nt	<ul> <li>The location must be convenient for water drainage and pipe connection with the Outdoor unit.</li> <li>Do not install the unit near a location where there is flammable gas. The outdoor unit may</li> </ul>
	<ul> <li>To avoid interference from noise please place the unit and its remote controller at least 3-9/32th (1m) from the radius leaving hand its remote controller at least 3-9/32th (1m) from the radius leaving hand its remote controller at least 3-9/32th (1m) from the radius leaving hand its remote controller at least 3-9/32th (1m) from the radius leaving hand its remote controller at least 3-9/32th (1m) from the radius leaving hand its remote controller at least 3-9/32th (1m) from the radius leaving hand its remote controller at least 3-9/32th (1m) from the radius leaving hand its remote controller at least 3-9/32th (1m) from the radius leaving hand its remote controller at least 3-9/32th (1m) from the radius leaving hand its remote controller at leaving hand its remote contr</li></ul>
	To avoid any error in signal transmission from the thereby reducing the indoor unit rule ou will deposit on the neat exchanger, thereby reducing the indoor unit and will deposit on the neat exchanger,
	from high-frequency machines and high-power wireless systems • Please ensure smooth flow of water when installing the drain hose. • Piping shall be suitable supported with a maximum spacing of 3-9/32tt (1m) between the supports.
	<ul> <li>The installation height of indoor unit must be 7-35/64ft</li> <li>Selecting the installation location: Suitable location that will reduce the impact from rain and direct sun that may affect the unit performance. Besides that, ventillation must be good and clear of obstruction.</li> </ul>
	<ul> <li>The air blown out of the unit should not point directly to animals or plants.</li> <li>The clearances of the unit from top, left, right and front are specified in figure below. At least three of the</li> </ul>
	Names of Indoor Components         Direction of Piping         Direction of Piping         Be sure that the hot air blown out of the unit and noise do not disturb the neighbourhood.           No.         Component's Name         Qty         Direction of Piping         Do not install at a location where there is flammable gas, steam, oil and smoke.
	Mounting Plate  • The location must be convenient for water drainage.  • The location must be convenient for water drainage.  • The location using and its convenient with a stream or simal line of
	Image: Construction of the unit     Image: Construction of the unit     Image: Construction of the unit       Image: Construction of the unit     Image: Construction of the unit     Image: Construction of the unit
	Do not install the outdoor unit in a place where small animals may build their nests. If small animal goes     inside the unit and touches the electrical parts, failure of the unit, smoke or fire may be caused. Request your
	Screw for Mounting         There are 6 directions allowed, namely, bediagedifying and transportation materials in accordance with federal/state/local laws orordinances.
	Plate (5/32 x 1-17/64) 6 horizontally perpendicular to the unit, vertically down to the unit, vertically down to the unit, vertically down to the unit of the unit and the unit of the unit to the
	(4.1 x 32) from right, horizontally out from
	Controller bowing the Installation of Indeor and Outdoor Unit
	Dimension of Mounting Stand of the outdoor unit
	AAA Size Battery 2 (unit mm) R32 as below. Do not exceed the maximum pipe length.
	Become for bolder of the mounting stand by CAUTION
	Sciew for inducer of a
	(1/8x5/8) (3.1 × 16)
	Remote Controller
	Image: Second
	Purifying Filter
	2 Be sure to completely set any gap (100mm) above 3-15/6" (100mm) (100mm) (100mm) (100mm) (100mm)
	Wi-Fi Adapter   Installation of pipe length less than  With putty.  With putty.  The indoor piping  the indo
	minimum pipe length requirement 9-27/32ft(3m) may generate an
e	the insultator is get
у ••	
	outside of building
	CAUTION         Refrigerant piping must         Image: Constraint of the indoor and outdoor unit should be kept max 49.732th (15m).         Image: Constraint of the indoor and outdoor unit should be kept max 49.732th (15m).
	▲ CAUTION • A brazed, welded or mechanical connection shall be made before one to make to nemic training the values to nemic training the values to nemic the values to nemic training the v
	connection shall be made before cover or equivalent.
	▲ CAUTION • A brazed, welded or mechanical to made before opening the valves to permit refrigeranting parts. A vacuum valve shall be provided to evacuate the interconnecting pipe and/or any uncharged refrigeranting • A brazed, welded or mechanical damage. Install a plastic cover or equivalent. • British a plastic cover or equivalent. • A brazed, welded or mechanical damage. Install a plastic cover or equivalent. • A brazed welder interconnecting pipe and/or any uncharged refrigeranting and/or any uncharged refrigeranting the interconnecting pipe. • A brazed welder interconnecting pipe and/or any uncharged refrigeranting and/
	system.
	Mechanical connectors used indoor shall comply with ISO 14903. When
	mechanical connectors are reused indoors, sealing parts shall be renewed.
	When flare joints are reused indoors, the flare part shall be re-frabricated.
	Refrigerant tubing shall be protected or enclosed to avoid damage.     Xabove 27/37/64'     Please use insulated drain hose for the indoor piping
	enclused to avoid darinage. (commercial product).
Indo	oor Unit INSTALLATION OF REFRIGERATING PIPES AFTER CONNECTION
١RD	• The refrigerating pipes should be adjusted to fit into the hole on the wall and then ready for further connection.
	The terminals of 2 connected pipes must be covered with insulator used for terminal connection. Then the pipes are wrapped with insulation pipe.     Drain hose
	Connect the connecting cord after removing electrical cover. (Refer to "CONNECTION OF POWER CORD")     Connecting cord
cord ar	And drain     Anter adjustment, its the connecting cord and pipes into the space available Pipe     Pipe
	Connecting cords, pipe and drain hose must be laid     When connection is at left side, refrigerating pipe and cabinet shall be tied <u>A</u> CAUTION
	Failing to do so may cause the unit bottom side become warping.
	Hook portion for binder tightening grate.
	Mounting plate Binder
the boo	
he unit wards a	and part of the indoor unit / Binder Hook Hook Insulator
n force ownwai	Projection     outwards to check if     Insulation pipe (must be wrapped with     Urain Hose     if the Rubber strap lied with     grant force
	the mounting plate. THE CONNECTION OF REFRIGERATING PIPE DURING THE
rd	
	and noise. Preparation To Install Refrigerating Pipes
	<ul> <li>The end of the refrigerating pipes are at locations marked with " ▽" symbol.</li> <li>Please fix in the plastic core after flaring to avoid copper</li> </ul>
	cnips entering the pipes.
stallati	ion Procedures.

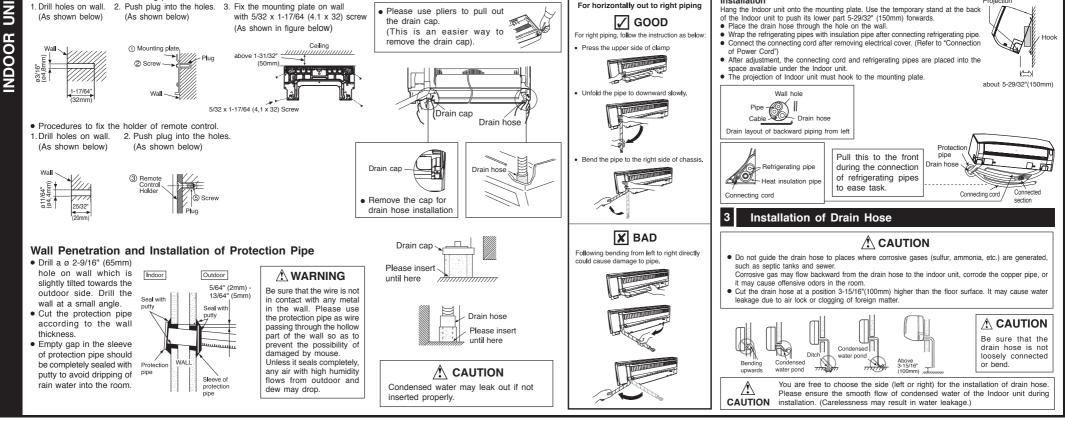
Installation

43-10/32 (1100mm)

Please bend at a small

radius to form an arc

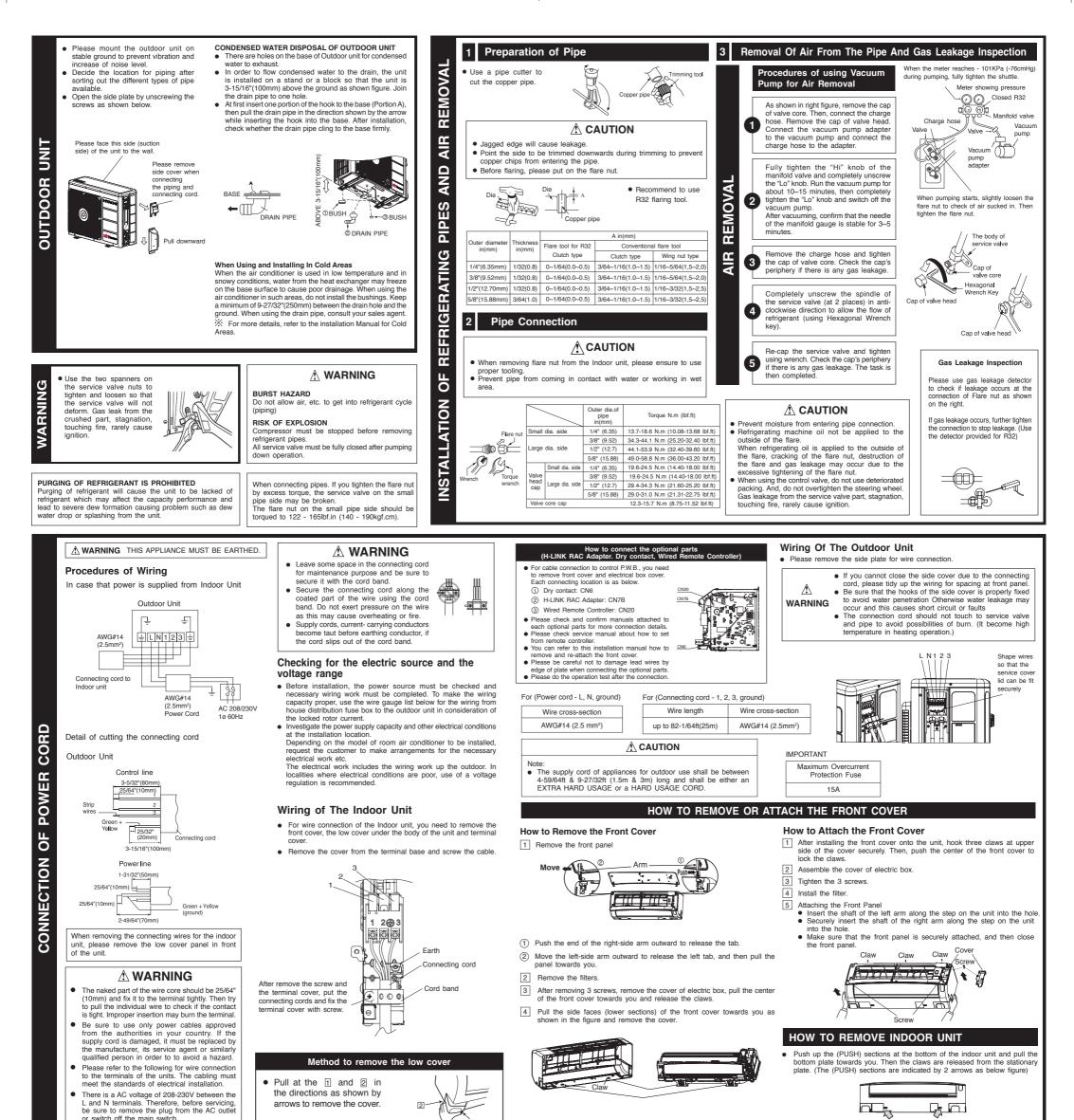
13/64"



<IA2689:(A)>

(As shown below)





### or switch off the main switch

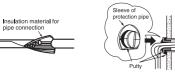




۲

### Insulation And Maintenance Of Pipe Connection

- The connected terminals should be completely sealed with heat insulator and then tied up with rubber strap.
- Please tie the pipe and power line together with vinyl tape as shown in the figure showing the installation of Indoor and Outdoor units. Then fix their position vith holders
- To enchance the heat insulation and to prevent water condensation, please cover the outdoor part of the drain hose and pipe with insulation pipe Completely seal any gap with putty.



## Power Source And Operation Test

### **Power Source**

NO

**INSTALLATI** 

STAGE OF

FINAL

3

### 

- Please use a new socket. Accident may occur due to the use of old socket because of poor contact.
  Please plug in and then remove the plug for 2 3 times. This is to ensure that the plug is completely plugged into the socket.
  Keep additional length for the power cord and do not render the plug under external force as this may cause poor contact.
  Do not fix the power cord with U-shape nail.

З.	Operate the air conditioner for 20 minutes at least and make sure that the
	air from the air conditioner is cool or warm.
4.	Press the ON/Off button on the remote controller to make sure that the air conditioner stops running.

Set the desired fan speed to " SIM "(High).

**Operation Test** 

Mode

If the indication lamps of the indoor unit blink with sounding the buzzer during the operation test, perform a check following the procedures below.

Please be sure to measure the supply voltage before operation test.
Please ensure that the air conditioner is in normal operating condition during the operation test.
Operate with Cool Mode(in summer) or Heat Mode(in winter).
Press Temperature Button on the remote controller to set the desired temperature to 60°F (16.0°C) for Cool Mode or 90°F (32.0°C) for Heating temperature to 60°F (16.0°C) for Cool Mode or 90°F (32.0°C) for Heating temperature to 60°F (16.0°C) for Cool Mode or 90°F (32.0°C) for Heating temperature to 60°F (16.0°C) for Cool Mode or 90°F (32.0°C) for Heating temperature to 60°F (16.0°C) for Cool Mode or 90°F (32.0°C) for Heating temperature temperature

Indication lamps blinking mode	What to check
All indication lamps blink three times repeatedly.	Make sure that the spindles of both service valves are open. (Outdoor fan might operate for near 15 minutes after the operation stop for the protection. For the reoperation at that case, do it after outdoor fan will stop.)

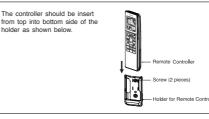
- · Before the check and the reoperation, reset the power supply by turning off and on the circuit breaker only after 1. waiting for at least 5 minutes; or
- 2. pressing the Temporary Switch Button only once while the power is OFF.

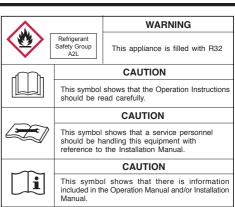


- Don't operate for over 5 minutes with the situation that the spindle of the service valve is closed. This will cause the defect.
- Don't operate by Cool Mode or Dry Mode with the door and windows opened (the room humidity is always above 80%) for a long period of time. Water will condense and drip down occasionally. This will wet your furniture.
- · Explain to your customer the proper operation procedures as described in the
- User's finanual.
   If the indoor unit won't operate, check the cable for correct connection.
   Turn on the lamp in the room where the indoor unit is installed and check the remote controller for normal operation.

#### Installation Of Remote Controller 2

- remote controller can be placed in its holder which is fixed on wall or beam
- To operate the remote controller at its holder please ensure that the unit can receive signal transmitted from the controller at the place where the holder is to be fixed. The unit will beep when signal is received from the remote controller. The signal transmission is weaken by the fluorescent light. Therefore, during the installation of the remote control holder, please switch on the light, even during day time, to determine the mounting location of the holder.





California Proposition 65

# **A** WARNING

Proposition 65: This product contains chemicals known to the state of California to cause cancer. birth defects, and other reproductive harm. For more information, go to www.P65Warnings.ca.gov

<IA2689: (Ā)>