THE CHOICE OF MOUNTING SITE HITACHI (Please note the following matters and obtain permission from customer before installation). **WARNING** Flare nut must use a torque wrench without fail. Tighten with the specified tightening torque. If the flare nut is The outdoor unit must be mounted at a location which can support heavy weight. Otherwise **INSTALLATION** tightened too much, after a long period of time, the flare nut breaks, Gas leakage, stagnation, touching fire, noise and vibration will increase rely cause ignition • Sharp bending of the pipe use the polyethylene rod, bend not crushed the pipe. Gas leakage from the crushed part, stagnation, touching fire, rarely cause ignition. MANUAL Please request your sales agent or qualified technician to install your unit. Water leakage, short circuit or fire • A circuit breaker must be installed. Without a circuit breaker or fuse the danger of electric shock may occur if you do the installation work yourself. exists. A main switch with a contact gap of more than 3/25"(3mm) has to be installed in the Please observe the instructions stated in the installation manual during the process of installation. Improper
installation may cause water leakage, electric shock and fire. **air** Home • Make sure that the units are mounted at locations which are able to provide full support to the weight of the units. If not, the units may collapse and impose danger. Observe the rules and regulations of the electrical installation and the methods described in the installation
manual when dealing with the electrical work. Use power cables approved by the authorities of your country. 400 Be sure to use the specified wire for connecting the indoor and outdoor units. Please ensure that the connection
are tight after the conductors of the wire are inserted into the terminals. Improper insertion and loose contact may cause over-heating and fire. **SPLIT UNIT AIR CONDITIONER** Please use the specified components for installation work. Otherwise, the units may collapse or water leakage electric shock and fire may occur. OUTDOOR UNIT HFC R32 Be sure to use the specified piping set for R32. Otherwise, this may result in broken copper pipes or faults. bstruction. RAC-DJ36WHAA When installing or removing an air conditioner, only specified refrigerant (R32) shall be allowed, do not allow air or moisture to remain in the refrigeration cycle. Otherwise, pressure in the refrigeration cycle may become abnormally high so that a rupture may be caused. • Be sure to ventilate fully if a refrigerant gas leak while at work. If the refrigerant gas comes into contact with fire, a poisonous gas may occur. Be aware that refrigerants may not contain an odour. After completion of installation work, check to make sure that there is no refrigeration gas leakage. If the
refrigerant gas leaks into the room, coming into contact with fire in the fan-driven heater, space heater, etc., (1) EN INSTRUCTION MANUAI a poisonous gas may occur. FOR SERVICE • Unauthorized modifications to the air conditioner may be dangerous. If a breakdown occurs please call a qualified air conditioner technician or electrician. Improper repairs may result in water leakage, electric shock PERSONNEL ONLY and fire, etc. Be sure to install a ground fault circuit interrupter. Failure to install a ground fault circuit interrupter may result Carefully read through the n electrical shocks or fire. This appliance is not intended for use by persons (including children) with reduced physical sensory or mental procedures of proper installation capabilities or lack of experience and knowledge, unless they have been given supervision or instruction before starting installation work. concerning use of the appliance by a person responsible for their safety Children should be supervised to ensure that they do not play with the appliance The sales agent should inform Appliance shall be installed in accordance with national wiring regulations customers regarding the correct Appliance shall be installed in accordance with national wiring regulations and is not intended for use at altitude 2000m (6561-22/32ft). operation of installation. 回認無法回 **Tools Needed For Installation Work**  $\bullet \oplus \bigcirc$  Screwdriver  $\bullet$  Measuring Tape  $\bullet$  Knife  $\bullet$  Saw Handling Method ● Pipe Cutter ● Hexagonal Wrench Key ( 10 4/25"(4mm) • Power Drill (ø2-14/25"(65mm) ~ ø 3-3/20"(80mm)) Vacuum Pump
 Pliers or Wrench
 Torque Wrench as shown in figure below. • Vacuum Pump Adaptor • Flare Tool • Gas Leakage Access the full version of the Detector 

Manifold Valve
Charge Hose
Reammer User Installation Manual by scanning the code File (RAC-DJ36WHAA) Cooling & Heating Names of Outdoor Components ltem Drain Pipe EE0024169D rev.0-10/2024 은 Be sure to connect the earth line from the power supply wire to the outdoor unit and between the outdoor and indoor unit. Do not connect the earth line to the gas tube, water pipe, lighting rod or the earth line of the telephone unit. Improper earthing may cause electric shocks. • When installing the unit, be sure to install the refrigerant pipe before starting the compressor. If the refrigerant pipe is not installed and the compressor is operated with the service valve released, air is sucked and the pressure level of the refrigeration cycle may increase abnormally which could result in a rupture and injury. The electric cables should neither be reworked nor added. Make sure to use an exclusive circuit breaker. Otherwise fire or electric shock might occur by connection failure, isolation failure or over current. · Be sure to use only power cables approved from the authorities in your country. If the supply cord is damaged, it must be replaced by Max. Pipe Mode ft(m) the manufacturer, its service agent or similarly qualified person in order to avoid a hazard. · Make sure to connect cables to terminal properly and terminal cover should close firmly Otherwise, over heating at terminal contact, fire or electric shock might occur. Make sure that there is no dust on any connected points of electric cables and fix firmly Otherwise, fire or electric shock might occur. SAFETY PRECAUTION — Read the safety precautions carefully Refrigerant This appliance is filled with R32. A brazed, welded or mechanical before operating the unit. afetv Grou connection shall be made before Á2L opening the valves to permit refrigerant to flow between the • The contents of this section are vital to ensure safety. Please pay special attention to the following sign. refrigerating system parts. A vacuum valve shall be provided to evacuate WARNING ......... Incorrect methods of installation may cause death or serious injury. A the interconnecting pipe and/or any CAUTION ........ Improper installation may result in serious consequence. uncharged refrigerating system. 9 Make sure to connect earth line. Mechanical connectors used indoor shall comply with ISO 14903.  $\bigcirc$  This sign in the figures indicates prohibition. When mechanical connectors are Be sure that the unit operates in proper condition after installation. Explain to customer the proper operation and maintenance of the reused indoors, sealing parts shall unit as described in the user's guide. Ask a customer to keep this installation manual together with the instruction manual. be renewed. When flare joints are reused indoors, the flare part shall CONDENSED WATER DISPOSAL OF OUTDOOR UNIT be re-frabricated. Please mount the outdoor Please face this side (s unit on stable ground • There are holes on the base of Outdoor unit for condensed water to Refrigerant tubing shall be protected side) of the unit to the wall. Please to prevent vibration and or enclosed to avoid damage exhaust crease of noise level. • In order to flow condensed water to the drain, the unit is installed on a Decide the location for stand or a block so that the unit is 3-15/16in(100mm) above the ground 10piping after sorting out connecting the piping and connecting cord. as shown figure. Join the drain pipe to one hole. • At first insert one portion of the hook to the base (Portion A), then pull ne different types of pipe available. the drain pipe in the direction shown by the arrow while inserting the Installation of pipe length less than Open the side plate by hook into the base. After installation, check whether the drain pipe cling minimum pipe length requiremen unscrewing the screws as to the base firmly. 9-27/32ft(3m) may generate shown beside an abnormal sound OR above 27-9/16in(70 Please make sure to remove all Back cove spacers inside the unit. OUTD • Open the Top, Back and Side over of the unit. Pull out the spacers inside. (Spacers are only for ransportation purpose f not remove, vibration and When Using and Installing In Cold Areas above 3-15/16i noise will occur. When the air conditioner is used in low temperature and in snowy conditions water from the heat exchanger may freeze on the base surface to cause poor drainage. When using the air conditioner in such areas, do not install the bushings. Install the unit high enough off the ground to prevent burying ※ above 27-9/16in(700 in snow. When using the drain pipe, consult your sales agent. \* For more details, refer to the installation Manual for Cold Areas.

ower supply line to the outdoor unit. Do not install the unit near a location where there is flammable gas. The outdoor unit may catch fire if flammable gas leaks around it. Do not install the indoor unit in a machine shop or kitchen where vapor from oil or its mist flows to the indoor unit. The oil will deposit on the heat exchanger, thereby reducing the indoor unit performance and may deform and in the worst case, break the plastic parts of the indoor unit. Please ensure smooth flow of water when installing the drain hos Piping shall be suitable supported with a maximum spacing of 3-9/32ft (1m) between the support 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 The air blown out of the unit should not point directly to animals or plants The clearances of the unit from top, left, right and front are specified in figure below. At least three of the above sides must be open air. Be sure that the hot air blown out of the unit and noise do not disturb the neighbourhood. Do not install at a location where there is flammable gas, steam, oil and smoke. The location must be convenient for water drainage. Place the outdoor unit and its connection wire at least 3-9/32ft(1m) away from the antenna or signal line of television, radio or telephone. This is to avoid noise interference. • Do not install outdoor unit facing strong wind direction. It may damage the fan motor. 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 hay be caused. Request your customer to keep the surrounding of the unit is clean. Safely dispose all packing and transportation materials in accordance with federal/state/local laws or ordinances. Packing materials such as nails and other metal or wood parts, including plastic packing materials used for transportation may cause injuries or death by suffocation. The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations. Storage package protection should be constructed in such a way that mechanical damage to the equipment inside the package will not cause a leak of the REFRIGERANT CHARGE. Transportation and Handling before Installation Transport the product as close to the installation location as practical before unpacking Handling When handling the unit, ensure a balance of the unit, If the product has no package to move, (1) Do not remove any packing materials.
(2) Hang the unit under packing condition with two ropes, please protect it with cloth or paper Put cloth or paper Figure showing the Installation of Outdoor Unit. Dimension of Mounting Stand of the outdoor unit (unit : in(mm)) mounting stand 25/64in( In case the pipe length is more than the recommended length for chargeless, add refrigerant R32 as below. Do not exceed the maximum pipe length. Please note that the maximum amount of refrigeration should not exceed the data in table below, otherwise it may cause damage to the unit. In case the pipe length is more than 15m, add The maximu Chargeless up t gerant R32 according refrigerant to the table below charge oz (g) oz/ft(g/m RAC-DJ36WHAA 164-1/16ft(50m) 49-7/32ft(15m) 0.27 oz/ft(25g/m) 108.46oz (3075g) Do not vent R32 into the atmosphere. Ne laissez pas le R32 se répandre dans l'atmosphère.



