		SAFETY PRECAUTIONS	This equipment must be properly earthed. Earth line must not be connected to gas pipe, water pipe, earth of lightning rod and telephone. Otherwise, it may cause electrical shock in case of equipment breakdown or insulation breakdown.	
<form></form>		 Electrical work must be installed by a licensed electricián. Be sure to use the correct rating of the power plug and main circuit for the model to be installed. 		Must ensure the installation of pipe-work shall be kept to a minimum. Avoid use dented pipe and do not allow acute bending.
		Image: classified by the following indications. Image: classified by the following indications. Image: classified by the following indication shows the possibility of causing death or serious injury. Image: classified by classified by classified by classified by classified by symbols: Image: classified by classified by classified by classified by classified by symbols: Image: classified by classified by classified by classified by classified by symbols: Image: classified by classified by classified by classified by classified by symbols: Image: classified by classified by classified by classified by classified by symbols: Image: classified by classified by classified by classified by classified by symbols: Image: classified by classified by classified by classified by classified by classified by symbols: Image: classified by classified	 Do not install the unit in a place where leakage of flammable gas may occur. In case gas leaks and accumulates at surrounding of the unit, it may cause fire. Prevent liquid or vapor from entering sumps or sewers since vapor is heavier than air and may form suffocating atmospheres. Do not release refrigerant during piping work for installation, re-installation and during repairing refrigeration parts. Take care of the liquid refrigerant, it may cause frostbite. Do not install this appliance in a laundry room or other location where water may drip from the ceiling, etc. Do not touch the sharp aluminium fin, sharp parts may cause injury. Carry out drainage piping as mentioned in installation instructions. If drainage is not perfect, water may enter the room and damage the furniture. Select an installation location which is easy for maintenance. Incorrect installation, service or repair of this air conditioner may 	 Must comply with national gas regulations, state municipal rules and legislation. Notify relevant authorities in accordance with all applicable regulations. Must ensure mechanical connections be accessible for maintenance purposes. In cases that require mechanical ventilation, ventilation openings shall be kept clear of obstruction. When disposal of the product, do follow to the precautions in #11 and comply with national regulations. In case of field charge, the effect on refrigerant charge caused by the different pipe length has to be quantified, measured and labelled. Always contact to local municipal offices for proper handling. Ensure the actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed. Ensure refrigerant charge not to leak. Wear appropriate protective equipment, including respiratory protection, as conditions warrant. Keep all sources of ignition and hot metal surfaces away. Servicing
<form></form>	Blasonic	 Any unfit method or using incompatible material may cause product damage, burst and serious injury. Do not install outdoor unit near handrail of veranda. When installing air-conditioner unit on veranda of a high rise building, child may climb up to outdoor unit and cross over the handrail causing an accident. Do not use unspecified cord, modified cord, joint cord or extension cord for power supply cord. Do not share the single outlet with other electrical appliances. Poor contact, poor insulation or over current will cause electrical shock or fire. Do not use unspecified cord, modified cord, joint cord or extension cord for power supply cord. Do not share the single outlet with other electrical appliances. Poor contact, poor insulation or over current will cause electrical shock or fire. Do not tie up the power supply cord into a bundle by band. Abnormal temperature rise on power supply cord may happen. Do not sit or step on the unit, you may fall down accidentally. Keep plastic bag (packaging material) away from small children, it may cling to nose and mouth and prevent breathing. When installing or relocating air conditioner, do not let any substance other than the specified refrigerant, eg, air etc mix into refrigeration cycle (piping). Mixing of air etc. will cause abnormal high pressure in refrigeration cycle 	 Power supply connection to the room air conditioner. Use power supply cord 4 x 1.5 mm² (1.0 ~ 1.5HP) · 4 x 1.5 mm² (2.0HP), type designation 60245 IEC 57 or heavier cord. Connect the power supply cord of the air conditioner to the mains using one of the following method. Power supply point should be in easily accessible place for power disconnection in case of emergency. In some countries, permanent connection of this air conditioner to the power supply is prohibited. Power supply connection to the receptacle using power plug. Use an approved 15/16 A (1.0 ~ 1.5HP) or 16 A (2.0HP) power plug with earth pin for the connection to the socket. Power supply connection to a circuit breaker for the permanent connection. Use an approved 16 A (1.0 ~ 2.0HP) circuit breaker for the permanent connection. It must be a double pole switch with a minimum 3.0 mm contact gap. Installation work. It may need two people to carry out the installation work. Keep any required ventilation openings clear of obstruction. 	 Any qualified person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry-recognized assessment specification. Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants. Servicing shall be performed only as recommended by the manufacturer. The system is inspected, regularly supervised and maintained by a trained and certified service personnel who is employed by the person user or party responsible. 2-2. Checks to the area Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised. For repair to the refrigerating system, the precautions in #2-3 to #2-7 must be followed before conducting work on the system. 2-3. Work procedure Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapour being present
<form></form>	* illustration only	 ignition. Else, it may explode and cause injury or death. Do not add or replace refrigerant other than specified type. It may cause product damage, burst and injury etc. 	Pay careful attention to the following points and the installation work procedures.	2-4. General work area All maintenance staff and others working in the local area shall be instructed and supervised on the nature of work being
<form></form>	RS/RU-HZ9BW MODEL NO : RS/RU-HZ12BW	 piping, fare nut and tools may cause abnormally high pressure in the refrigerant cycle (piping), and possibly result in explosion and injury. For R32 and R410A, the same flare nut on the outdoor unit side and pipe can be used. Since the working pressure for R32/R410A is higher than that of refrigerant R22 model, replacing conventional piping and flare nuts on the outdoor unit side are recommended. If reuse piping is unavoidable, refer to instruction "IN CASE OF REUSING EXISTING REFRIGERANT PIPING" Thickness of copper pipes used with R32/R410A must be more than 0.8 mm. Never use copper pipes thinner than 0.8 mm. It is desirable that the amount of residual oil less than 40 mg/10 m. Engage authorized dealer or specialist for installation. If installation done by the user is incorrect, it will cause water leakage, electrical shock or fire. For refrigeration system work, install according to this installation instructions strictly. If installation is defective, it will cause water leakage, electrical shock or fire. Use the attached accessories parts and specified parts for installation. Otherwise, it will cause the set to fall, water leakage, fire or electrical shock. Install at a strong and firm location which is able to withstand weight of the set. If the strength is not enough or installation is not properly done, the set will drop and cause injury. For electrical work, follow the national regulation, legislation and this installation instructions. An independent circuit and single outlet must be used. If electrical circuit capacity is not enough or defect found in the electrical work, it will cause electrical 	 The appliance shall be stored, installed and operated in a well ventilated room with indoor floor area larger than A_{min} (m²) [refer Table A] and without any continuously operating ignition source. Keep away from open flames, any operating gas appliances or any operating electric heater. Else, it may explode and cause injury or death. The mixing of different refrigerants within a system is prohibited. Models that use refrigerant R32 and R410A have a different charging port thread diameter to prevent erroneous charging with refrigerant R32 and R410A have a different charging matter (oil, water, etc.) does not enter the piping. Also, when storing the piping, securely seal the opening by pinching, taping, etc. (Handling of R32 is similar to R410A.) Operation, maintenance, repairing and refrigerant recovery should be carried out by trained and certified ersonnel in the use of flammable refrigerants and as recommended by the manufacturer. Any personnel conducting an operation, servicing or maintenance on a system or associated parts of the equipment should be trained and certified. Any part of refrigerating circuit (evaporators, air coolers, AHU, condensers or liquid receivers) or piping should not be located in the proximity of heat sources, open flames, operating gas appliance or an operating electric heater. The user/owner or their authorized representative shall regulations, to ensure their correct functioning. A logbook shall be maintained. The results of these checks shall be recorded in the logbook. In case of ventilations in occupied spaces shall be checked to confirm no obstruction. 	 Avoid working in confined spaces. Always ensure away from source, at least 2 meter of safety distance, or zoning of free space area of at least 2 meter in radius. 2-5. Checking for presence of refrigerant The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non sparking, adequately sealed or intrinsically safe. In case of leakage/spillage happened, immediately ventilate area and stay upwind and away from spill/release. In case of leakage/spillage happened, do notify persons down wind of the leaking/spill, isolate immediate hazard area and keep unauthorized personnel out. 2-6. Presence of fire extinguisher If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available at hand. Have a dry powder or CO₂ fire extinguisher adjacent to the charging area. 2-7. No ignition sources No person carrying out work in relation to a refrigerating system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. He/She must not he smoking when carrying out such work
<form></form>	A CAUTION B INSTALLED OR SERVICED BY QUALIFIED PERSONNEL. Refer to National, State, Territory and local legislation, regulations, codes, installation & operation manuals, before	 Do not use joint cable for indoor / outdoor connection cable. Use the specified indoor/outdoor connection cable, refer to instruction (5) CONNECT THE CABLE TO THE INDOOR UNIT and connect tightly for indoor/outdoor connection. Clamp the cable so that no external force will have impact on the terminal. If connection or fixing is not perfect, it will cause heat up or fire at the connection. Wire routing must be properly arranged so that control board cover is fixed properly. If control board cover is not fixed perfectly, it will cause fire or electrical shock. This equipment is strongly recommended to be installed with Earth Leakage Circuit Breaker (ELCB) or Residual Current Device (RCD), with sensitivity of 30 mA at 0.1 sec or less. Otherwise, it may cause electrical shock and fire in case of equipment breakdown or insulation breakdown. During installation, install the refrigerant piping properly before running the compressor. Operation of compressor without fixing refrigeration piping and valves at opened position will cause suck-in of air, abnormal high pressure in refrigeration cycle and result in explosion, injury etc. During pump down operation, stop the compressor before removing the refrigeration piping. Removal of refrigeration cycle and result in explosion, injury etc. Tighten the flare nut with torque wrench according to specified method. If the flare nut is over-tightened, after a long period, the flare may break and cause refrigerant gas leakage. After completion of installation, confirm there is no leakage of refrigerant gas. It may generate toxic gas when the refrigerant contacts with fire. Ventilate if there is refrigerant gas leakage during operation. It may cause toxic gas when the refrigerant contacts with fire. 	 that trained and certified operating personnel are instructed on the basis of the instruction manual about the construction, supervision, operation and maintenance of the refrigerating system, as well as the safety measures to be observed, and the properties and handling of the refrigerant used. The general requirement of trained and certified personnel are indicated as below: a) Knowledge of legislation, regulations and standards relating to flammable refrigerants; and, b) Detailed knowledge of and skills in handling flammable refrigerants, personal protective equipment, refrigerant leakage prevention, handling of cylinders, charging, leak detection, recovery and disposal; and, c) Able to understand and to apply in practice the requirements in the national legislation, regulations and Standards; and, d) Continuously undergo regular and further training to maintain this expertise. Air-conditioner piping in the occupied space shall be installed in such a way to protect against accidental damage in operation and service. Precautions shall be taken to avoid excessive vibration or pulsation to refrigerating piping. Ensure protection devices, refrigerating piping and fittings are well protected against adverse environmental effects (such as the danger of water collecting and freezing in relief pipes or the accumulation of dirt and debris). Expansion and contraction of long runs piping in refrigerating systems shall be designed and installed securely (mounted and guarded) to minimize the likelihood hydraulic shock damaging the system. Protect the refrigerating system from accidental rupture due to moving furniture or reconstruction activities. To ensure no leaking, field-made refrigerant joints indoors shall be tightness tested. The test method shall have a sensitivity of 5 grams per year of refrigera	 repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. "No Smoking" signs shall be displayed. 2-8. Ventilated area Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere. 2-9. Checks to the refrigerating equipment Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance. The actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed. The ventilation machinery and outlets are operating adequately and are not obstructed. If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant. Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected. Refrigerating pipe or components, unless the components are constructed of materials which are inherently resistant to
$ f_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{\text{is process shall be repeated unit in our will actually face a different way.} } \\ F_{is process shall be repeated unit in $	 Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. That capacitors are discharged: this shall be down in a safe manner to avoid possibility of sparking. That sepacitors are discharged: this shall be down in a safe manner to avoid possibility of sparking. That sepacitors are discharged: this shall be down in a safe manner to avoid possibility of sparking. That sepacitors are discharged: this shall be down in a safe massibility of sparking. That sepacitors are discharged: this shall be down in a safe massibility of sparking. The them is continuity of earning them is a safe manner to avoid possibility of sparking. The them is continuity of earning them is a safe manner. The owner of the equipment must be informed or reported so all parties are advised thereinater. The owner of the equipment must be informed or reported so all parties are advised thereinater. The owner of the equipment must be informed or reported so all parties are advised thereinater. The stated or possibility of sale and electrical supply to equipment during servicing, then a permenthy operating form of the avoid the sale of partection is a facted. This shall include dimage to cables, excessive number of connections, terminate nor made to orginal specification, damage to sales, incorrect timing of glands, etc. The state sale or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of farmable atmosphere. The test apparters is a sale attemption of the advised part the work of one them. The state apparters is a sale at the correct damage. The state apparters is a sale attemption of the advised part the work of one them. The state apparters is a sale attemption of the advised part the work of one them. The state apparters is a sale at the correct damage. The st	 In addition to conventional charging procedures, the following requirements shall be followed. Prover that containation of different refrigerant Social so not curv when using charging equipment. Prover that containation of different refrigerant Social social so the investment. Prover the containation of different refrigerant Social so	1 Phillips acrew driver 6 Pipe cutter 11 Thermometer 16 Torque work 2 Level gauge 7 Reamer 12 Megameter 16 Torque work 3 Better difl, fold core difl (670 mm) 6 Kinite 13 Mettineter 65 Nm (18 kg/m) 4 Hexagonal wrench (4 mm) 9 Gas leak detector 14 Vacuum pump 65 Nm (16 kg/m) 5 Spanner 10 Measuring tape 15 Gauge manifold 100 Nm (10.2 kg/m) 6 Na Accessories part Qt/ 1 1 100 Nm (10.2 kg/m)	<complex-block><complex-block></complex-block></complex-block>

