Panacania	Pecculians shall be taken to avrid excessive vitration or pulsation to refrigeration given.	
Panasonic	Productions shall be balance assume vehanion or publication to refrigerating pipera. Ensure protection devices, refrigeranting pipera and fittings are well protected against adverse environmental effects (such as the darger of water collecting and fereign in neidef pipers or the second or draw device). Ensure protection devices are interested as a start of a start device of the are liable to the second of the are liable to the are liable to the are liable to the are liable to the area liab	
Air conditioner	Deparation and contraction of long runn pping in refrigerating systems shall be designed and installed securely (mounted and guarded) to minimize the likelihood hydraulic shock damaging the system.	
Installation Instruction CS/CU-HZ25, HZ35ZKE Series.	Potect the infigurating system itom acidental napture due to moving familitum or reconstruction activities. When transferring refigurant into grindents, ensures that only system itom reconstruction activities. When transferring refigurant into grindents and and areas an analytic. The activity of t	
	Concerner to keining failed made infigurari joint indoors what he tophnese tension. The set method and and have a sensitivity of 5 grans per year of refigerent to better under a persource of at least Concerner to keining failed made infigurary failed for the trefformer (a. special clinders for the recovery of refigerent). Concerner to keining failed made infigurari (a. special clinders for the recovery of refigerent). Concerner to keining failed made infigurary failed for the trefformer (a. special clinders for the recovery of refigerent). Concerner to keining failed made infigurary failed for the trefformer (a. special clinders for the recovery of refigerent). Concerner to keining failed made infigurary failed for the recovery of refigerent material be and to be completed infigurary and the special based for the recovery of refigerent material based for the recovery of concerning the equipment that is at hand and shall be aniable for the recovery of concerning the equipment that is at hand and shall be aniable for the recovery of concerning the equipment that is at hand and shall be aniable for the recovery of concerning the equipment that is at hand and shall be aniable for the recovery of concerning the equipment that is at hand and shall be aniable for the recovery of concerning the equipment that is at hand and shall be aniable for the recovery of concerning the equipment that is at hand and shall be aniable for the recovery of concerning the equipment that is at hand and shall be aniable for the recovery of concerning the equipment that is at hand and shall be aniable for the recovery of concerning the equipment that is at hand and shall be aniable for the recovery of concerning the equipment that is at hand and shall be aniable for the recovery of concerning the equipment that is at hand and shall be aniable for the recovery of concerning the e	covery of
GR code for Web M mail	1. General h in addition, a set of calibrated weighing scales shall be available and in good working order.	
Rease scan the above matrix two-dimensional (2D) barrance and read therewishly for the detailed instruction	 Has ream to institution of pice work all be top to an immun. And use strately as and to not also work before. Has ream to institution of pice work all be top to an immun. And use strately as and to not also work before. Has ream to institution of pice work all be top top to an immun. And use strately as and top top top top top top top top top top	
Prevade call the down match the offentional (c) successful water head in the day in the day of the down of the dow	Horizontal concertions is accounted for materiance process. Horizontal concertions is accounted for materiance proceseriance and accounted for materiance process. Horizontal con	
Required tools for Installation Works	• Yhan dapoal cit he product, do loake to be prevautors in 11 and compliants. • Is and product do loake to be prevautors in 11 and compliants. • Is and individually, the head of the product do loake to be prevautors in the truther where the management and labeled. Neary context loake the management and labeled. Product and individually do loake the product do loake to be prevautors to be prevautors to be prevautors to do loake to be prevautors to be prevaut	J
1 Philips screw driver 6 Pipe culter 11 Thermometer 14 Torque wench 15 Vacuum pump 2 Level grupe 7 Reamer 11 Remonster 14 Torque wench 16 Gauge minifidd Ture exponent remonstrainer and exponent av	Chase miligant drags roth sizk War growthin problem exploring including negative protection, as confident semant.	
3 Electric drill, hole core drill 8 Knife 13 Multimeter 42 Nmi (43 Kmi) 17 Hand gloves OU ALIFED PERSONNEL.		
(a70 mm) 9 Gas Bask 50 mm (256 mm) 4 Hoxogonal werch (4 mm) detector 65 kmm (6 & kg/m) 5 Sgum er 10 Measuring tape 100 km (102 kg/m) 10 km (102 kg/m) 10 km (102 kg/m) 10 km (102 kg/m)	Amountified parametric is whether a subject to the subject of	
(SAFETY PRECAUTIONS)	Are comparison to hundre striggents ladely a second second with an industry acceptance of second second specification. Second path of the performance of the statestication of the statestica	
Deart the following "SAFETY PRECALITIONS" carefully before installation	This symbol shows that a service personnal should be bendling this Highl	
 Electrical work must be installed by a licensed electrican. Be sure to use the correct rating of the power plug and main circuit for model to be installed. The caudion litems stated here must be followed because these important corrients are related to safely. The meaning of each indication used is as below. Incorrect installation due to graving of the installed will cause here arrange, and the servicense is desaifued by the following indications. 	• Prior to beginning work on systems containing thirmable efficiency addition to addition in minimised. • Opportunity with respective of the industry addition of the systems containing thirmable efficiency addition to additional additented additional additional additional additional additionadditio	
WARNING This indication shows the possibility of causing death or serious injury.	S. Work procedure	s you
CAUTION This indication shows the possibility of causing injury or damage to properties only. The items to be followed are classified by the symbols:	What hall be underlawn under a controller procedure to us to minimize the risk of a fluemable gas or support being present while the work is being performed. Instruction and a controller procedure to us to minimize the risk of a fluemable gas or support being present while the work is being performed. Instruction and a controller procedure to us to minimize the risk of a fluemable gas or support being present while the work is being performed. Instruction and a controller procedure to us to minimize the risk of a fluemable gas or support being present while the work is being performed. Instruction and a controller procedure to us to minimize the risk of a fluemable gas or support being present while the work is being performed. Instruction and a controller procedure to us to minimize the risk of a fluemable gas or support being present while the work is being performed. Instruction and a controller procedure to us to minimize the risk of a fluemable gas or support being present while the work is being performed. Instruction and a controller procedure to us to minimize the risk of a fluemable gas or support being present while the work is being performed. Instruction and a controller procedure to us to minimize the risk of a fluemable gas or support being performed. Instruction and a controller procedure to us to minimize the risk of a fluemable gas or support being performed.	9 (%)
Symbol with white background denotes item that is PRCHIBITED.	Contract with a spectral services of the contract of which here a spectral of the function of advects spectral of the spectral service of the contract of which here are a service of advect spectral service of the contract of which here are a service of advect spectral service of the contract of which here are a service of advect spectral service of advect service of advect spectral service of advect service o	
Symbol with dark background denotes item that must be carried out. Carry out test running to confirm that no abnormality occurs after the installation. Then, explain to user the operation, care and maintenance as stated in instructions. Please remind the	26. Obesing for presence of refigurant Battery Battery	
customer to keep the operating instructions for future reference.	Ensure that the lask detection againment being used in statube for gamma is, in one spectrag, detequately seaded or internally suite. Ensure that the lask detection againment being used in statube or internally suite. Ensure that the lask detection againment being used in statube or internally suite. Ensure that the lask detection againment being used in statube or internally suite.	
WARNING Do not use means to accelerate the defoating process or to draw, other than those recommended by the manufacturer. Any unit method or using incompatible material may cause product damage, burit and serious injury.		(*)
Do not instal outdoor unit near handrail of venanda. When installing air-conditioner unit on venanda of a high rise building, child may climb up to outdoor unit and cross over the handrail causing an accident.	1 any lease with the conducted on the adjustment or expressional specification and adjustment of expressional specification and adjustment or expressio	
Donot use unspecified cost, modified cost, part card or extension cost for power supply cost. Do not share the single outlet with other descinal appliances. Poor contact, poor insulation or over carrent will cause electrical Donot is up the power supply cost into a bundle by band. Athorema temperature size on power supply cost may happen.		
N Do not fire up the power supply cost into a bundle by band. Abnormal temperature rise on power supply cost may happen. N Do not insert your fingers or after objects into the unit, high speed rotating fam may cause injury.	A possible igninian sources, inducing against the set of the	possible,
O Do not sit or step on the unit, you may fail down accidentally.	Open start laborg from shill be projected in the same has there are no liammable bazeris or ignition risks. Open start laborg from shill be projected in the same has the reason of liammable bazeris or ignition risks. Open start laborg from shill be projected in the same has the reason of liammable bazeris or ignition risks. Open start laborg from shill be projected in the same has the reason of liammable bazeris or ignition risks. Open start laborg from shill be projected in the same has the reason of liammable bazeris or ignition risks. Open start laborg from shill be projected in the same has the reason of liammable bazeris or ignition risks. Open start laborg from shill be projected in the same has the reason of liammable bazeris or ignition risks.	loor
Keep plastic bag (packaging material) away from small children, it may cling to nose and mouth and prevent breathing. 🛞 🛞	[28.Vertilated ama] CZ-3F5, 7BP 9.52 mm (3/8*) 6.35 mm (1/4*)	
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 and result in explosion, injury etc.	A degree of vertilation value of the provide function and and or times during the provide function and and or times during the provide function and and or times during the provide function and and and and and and and and and an	on (%)
Do not pieze or burn as the appliance is pressuited. Do not expose the appliance to heat, flame, sparks, or other sources of ignition. Bios. It may explode and cause injury or death.	2-9. Checks to the retingenting equipment	le) (%)
D for et allo regione informant dier frein specifiedingen, I may ause poduit damage, kunt and nigsy etc. For Rest And and ange in and Incole may cause advantage in a specified for REXIPATION entrygement. Using of existing RE21 piping, fixer nut and tools may cause advormally high pressure in the religional specified for REXIPATION entrygement. Using of existing RE21 piping, fixer nut and tools may cause advormally high pressure in the religional specified for REXIPATION entrygement. Using of existing RE21 piping, fixer nut and tools may cause advormally high pressure in the religional specified for REXIPATION entrygement. Using of existing RE21 piping, fixer nut and tools may cause advormally high pressure in the religional specified for REXIPATION entrygement. Using of existing advantage advanta	A billing the manufacturar in minimum and service griddless shall be followed. X Viryl tage - 1	
For Bit2 and Mittle Ark same I lies has no handback initiation of given and hund. Perform the additional and the additional and additional hunder and performed and additional protein and additional and the additional additionadditional additional addit	Inelactual retrigerant charge is in accordance with the room size within which the retrigerant containing parts are installed. To Carty out To Carty out	
Threads pipping a unabcalable, refer to instruction in VCASE UP HELSKINE USES IN IN RE-HIVEHOND PHYNA Thisdeness for copper pipe used with RCSH140 Amuse benering than 0.8 mm, It is desirable that the amount of residual oil less than 40 mg/10 m.	The ventilision motions are an analysis of the service of the	our
Engage suthorized dealer or specialist for installation. Ill installation done by the user is incorrect, it will cause water leakage, electrical shock or file. For refrigeration system work, Install according to this installation instructors strictly. Ill installation is delective, it will cause water leakage, electrical shock or file.	are constrained in the basis are there in the area interesting with the relative interesting interesting and the area interesting interesting and the area interesting interesting and the area interesting and the	ie heat
Use the attached accessories parts and specified parts for installation. Otherwise, it will cause the set to fail, water leakage, fire or electrical shock.	Initial safety checks shall include but not limit to: Ensure the spaces indicated by arrows from the wall, ceiling, fence or other obstacles.	
(i) Install at a storeg and firm location which is able to withstand weight of the set. If the storegith is not enough or installation is not properly done, the set will drop and cause injury. (ii) For electrical work, follow the national resultation, lecistration and this installation instructions. An indecembert circuit and sindle outfet must be used. If electrical icrait capacity is not enough or defect found in the electrical icrait.	That there is no ive electrical corponents and wring are exposed while charging, recovering or purging the system. Development and wring are exposed while charging, recovering or purging the system.	tdoor
for detailed and, Ellipse the national cognition, beginning and the installation instructions. An independent circuit and indep could must be used. If educitical circuit appacing in the encode of a detailed on the educid and a set of a data does and a set of a set of set o	Al all resets the manufacturer's maintainance and anxies paidates adults to blond. OUTDOOR NUNT If an anning is built over the unit to prevent direct single and the standards by the mechanism of the standards by the methy the standards by the mechanism of the stand	cord (%)
Whe 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.	The owner of the equipment must be informed or reported so all parties are advised thereinsther.	
This equipment is storegy recommended to be installed with Earth Leakage Groat 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 regain to adaption processes, all decision suggists and the decision suggests and th	
During installation, install the refigerant piping property before suming the compressor. Operation of compressor without fixing refigeration piping and valves at opered position will cause suckin of air, atmortal high pressum in refigeration cycle and result in explosion, nixry etc.	added as shown in the table.	ng (※)
During pump dame penation, stop the compressor before removing the entigenation piping. Removal of entigenation piping while compressor is operating and valves are operand will cause suck-in of air, abromal high removing a successor is operating and valves are operand will cause suck-in of air, abromal high Tophere the flare nat with torup version, piping version, pi	Ensure that asso assessing matrix to inconted security Ensure that asso as sealing matrix have not eleganded such that they no longer serve the Totale A	
After completion of installation, confirm fere is no leakage of refrigrant gas. It may generate taxic gas when the refrigrant contacts with fire.	Propose of powering the ingress of fammake atmospheres Program for the used attraction of the used atmospheres Program for the used attraction of the used atmospheres Program for the used attraction of the used atmospheres Program for the used attraction of the used atmospheres Program for the used attraction of the used atmospheres Program for the used attraction of the used atmospheres Program for the used attraction of the used atmospheres Program for the used attraction of the used attractracti	cover
Venilate if there is refrigerant gas leakage during operation. It may cause toxic gas when the refrigerant contacts with fire. Be aware that refrigerants may not contain an odour.	• Drot tapk any permet inductive or capacitance back to the circuit whad mutuing that the Wind exceed the permitted for the explanent in use. • Drot tapk any permet inductive or capacitance back to the circuit whad mutuing that the Wind exceed the permitted for the explanent in use. • Drot tapk any permet in use any permet in use. • Drot tapk any	
This equipment must be properly earthed. Earth line must not be connected to gas pipe, water pipe, earth of lightning rod and telephone. Difference, it may cause destricul shock in case of equipment breakdown or insulation breakdown.	Pepties components only with parts specified by the manufacturer may result ignition of thigraman in the atmosphere from a laak. HZZY''' 10HP 9.52 mm 6.35 mm 5 10 3 20 10 7.5 1.03 Net applicable (7) International Control on the second of the	
	Oraci that calify all robe solid to twee, contrain, excession pressure, ubtaining, name pages or any other adverse environmental effects. Oraci that calify all robe solid to twee, contrain descine from more south as a contrained to the	
Handle the unit surface with care to avoid scratching the surface by sharp or sough items (e.g. Engernails, tools, rings, etc). Wear hand gives when performing installation work. Do not initial the unit in a place when leakage of fammable gas may occur. In case gas leaks and accumulates at surrounding of the unit, it may cause line.	6. Detection of flammable refrigerants	
Revert fiquid or vapor from entering sumps or sevens since vapor is heavier than air and may form sufficialing atmospheres.	A halde both (rar who dre decktor ung a nades fame) aftain rote used. The block on (rar who dre decktor ung and east fame) aftain rote used. If the unit is installed at 10 m distance, the quantity of additional rehigerant should be Stable shall be decktored when using decktoring names rote of the state of the state 0,25 times the maximum allowable reviews (1.5 MMP) must 11 fibre round and using rote of the state of the state 0,25 times the maximum allowable reviews (1.5 MMP) must 11 fibre round and using rote of the state 0,25 times the maximum allowable reviews (1.5 MMP) must 11 fibre round and using rote of the state 0,25 times the maximum allowable	
Do not release refigerant during piping work for installation, re-installation and during repairing refrigeration parts. Take care of the liquid refigerant, it may cause frontible. Do not initial this appliance in a learned yroom or other location where water may drip from the ceiling, etc.	 Check for degranding on the planchal source of malp planchal source of the pla	
Do not touch the shap aluminium fin, shap parts may cause injury. Image: Comparison of the shap aluminium fin, shap parts may cause injury.	Encure that the devices in ord application and us studied by the refrigerant study. Leads devices a sport application squarement application in the sport of the set of the sport application information on an analysis and the sport application in the sport of the sport application information on an analysis and the sport application in the sport application in the sport application information on an analysis and the sport application in the sport application	
Carry cut damage piping an mentioned in installation instructions. If damage is not prefect, water may enter the scorn and damage the furniture. Select an installation control matchine service or maniference. Select an installation, reviser or ange of the air conditioner may increase the risk of nguine and this may enable in loss damage or injury and/or property.	Lock Advect In this is a also unable for use with most infigurants. The use of distinguistic containing choices aball to exolution for elabors may react with the subject and theorem in the infigurant of control theory program. If L = (now f flatmandall) infigurant (10, 307 kg/m) for elabors (10, 307 kg/m)	
Incorrect instantion, service or inpair of this air conditioner may increase the risk of sphure and this may result in loss damage or injury and/or property. Power supply connection to the noom air conditioner. Use power surply conditioner. Ide power surply conditioner.		
Control of the second sec	7. Permoval and execution Interference constraints of the set, regin a set as also be given the up in a set as als als	
The Power supply connection to the receptade using power plug. Use an approved ST/6 A power plug with earth pin for the connection to the context. The power supply connection to crimit training that the connection of the connection.	remove refigurant >> puge the circuit with inert gas >> execute >> puge with inert gas >> expent the circuit by cutting or tracing The higher value shall be taken when determining the room area.	
10 Your support of the Your and the Your permanent connection. Use an approved 16 A Your theorem for the memory connection. The Annual Your and the	The network of the state of the constraint on	
Instruction of the product of the installation work. Keep any required wentilation openings clear of obstruction.	This process may reade to be repeated several times. Our process may reade to be repeated several times. Our process may reade to be repeated several times. Purping allullo activities to be reader with the table. Purping allullo activities to a second by hereing to a second be repeated several times. The process may reader to be reader with the reader wit	
PRECAUTION FOR USING R32 REFRIGERANT	This process shall be requested units or refragrant in which be system. When for the OPRA harps is used for how sharps started sources to enable work to take place. This operation is should why what if harming operations on the place how the started place. This operation is an even pray for a colors be not process of there is a workfalsion available.	
Precaultion For USING R32 REFRIGERANT Pay careful attention to the following precaution points and the installation work procedures.	travere that the outfut for the vacuum pump a not close to any potential synthemic surveillation available. Oraping procedures A pacifier to convertinal charging procedures, the following requirements chall be followed.	
	Ensure that containmakon of other its regression beso not occur when using charging equipment. House a final setting the motivation and accurate of definition of the motivation and accurate of the motivation and accu	
When correcting lare alindor side, make are that the fase correction is used only more. If trazed a part elivered, the fare must be reach. Once the fare correction was torqued as correctly and lark let was for horourshy dena and by the autures te more out of strand graves by disconse stants. Apply out and care (Alexov yee) & annual-the alocen earbitrial as non-corrective to copper & basis to the externial of the faired correction to prevent the ingress of moisture on both the gas & liquid sides. (Moisture may cause brearing and premature failure of the correction)	Optimises shall be kept in an appropriate position according to the instantion or texts. Constraints of the statement of the instantion of texts. Ensure that the statement of texts according to the instantion of texts. Label texts according to the statement of texts. Label texts according to the instantion of texts.	
 Usatu be seemd of the indicionation by the set of the	Exterine care shall be taken in out to over all the engineering signed. Dia to adversifie and external shall be adversed by the engineering signed. Dia to adversifie adversed by the engineering signed by the end of	
Therefore, shock behavior [The dranging out hered diameter for RF2 and R410A is 12.7 nm (1/2 rch)] Ensure that longin mater (v), water (e), shoc rot enter the priprice Ensure that longing mater (v), water (e), shoc rot enter the priprice Addition of the standard term (v) and the constraints, busing, etc. (-) and ring AF32 is similar to R410A.)	The system shall be listed is based on complicion of draping but prior to commissioning Holdwore private start shall be cannot drap to private private starts Relevants: charge may accurate and carnot is have charging the inflightment Restructure: charge may accurate and carnot be able charging and shall priprid scharging the inflightment Restructure: charge may accurate and carnot be able charging and scharging the inflightment Restructure: charge may accurate and carnot be able charging and scharging the inflightment Restructure: Charge may accurate and carnot be able charging and scharging the inflightment	
Operation, maintenance, repairing and rangerian recovery should be curred out by trained and the equipment should be trained and certain and as recommended by the maintacturer. Any personnel conducting an operation, service on a system or associated parts of the equipment should be trained and certified.	9. Decompissioning 9. Before anying out its procedure, it is essential that the technisian is completely tamiliar with the equipment and all its details.	
Ary part of mitigraming circuit (evaporation, air coders, AHJ, condensers or liquid receivern) or piping should not be located in the proximity of heat sources, open frames, openating gas appliance or an openating The user/covers or their authorized representative shall regularly check the alarms, mechanical ventilation and detectors, at least coree a year, where as required by national regulations, to ensure their correct	The accommonded point of particles that all endpoints are mecoursed analy. The optimized point of particles that all endpoints are mecoursed analy. The optimized point of particles that all endpoints are marked point to be ensued for exercise of rescoreed endpoints.	
A logbook shall be maintained. The results of these checks shall be recorded in the logbook.	a) Become familiar with the equipment and its operation	
In case of ventilations in occupied spaces shall be checked to confirm no obstruction.	c) Before attempting the procedure ensure that: h) Do not over fills winders, (No more than 80 % volume louid charge).	
Before a new informing primin just into privice, the person responsible for placing the system in operation isolate once that transit and confine operating system isolated on the basis of the instruction manual about the construction, supervision, operation and maintenance of the infigurating system, as well as the safety measures to be deenved, and the properties and handing of the refrigerant used. The general requirement of transit and confinited personnel user indicated as a low operation.	 encoharied tanding requirent is available if the funding requirent is available if the funding requirement is available and the requirement is	
The protein impursment of hand and confed provide an industrial to holder. The protein impursment of hand and confed provide an industrial holder. The protein impursment index and the provide and the protein impursment index and the provide	A Pure down-refigurer system, i possible. Becover effected are of the second and the second are secon	H
d) Continuously undergo regular and further training to maintain this expertise. Air conditioner pipring in the occupied space shall be installed in such a way to protect against accidential damage in operation and service.	In the general. • Bertweits charge may accumulate and create a hazandous condition when chargings or discharging the refrigerant. To avoid file or explosion, dissipate static electricity during transfer by grounding and bording containers and equipment before charging/discharging.	
	PINTED NALA	