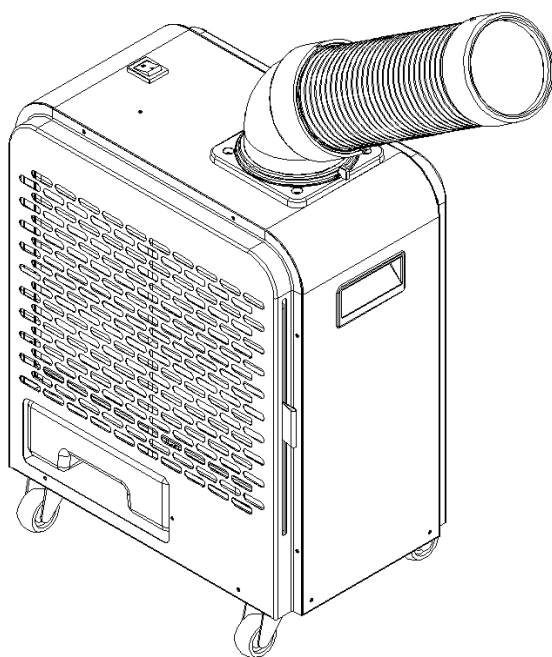




2K COMMERCIAL SPOT COOLER

USER MANUAL



MODEL NO. PIN RSC20

Thank you very much for choosing BE Refrigerated Spot Cooler. To ensure safe and efficient use of your new Cooler, please read the Manual carefully.

CONTENTS

Safety Signs and Precautions	3 - 8
Warning	9 - 11
Technical Parameters	12
Electrical Schematic Diagram	13
Product Structure	14
Installation Method	15
Operation Method	16
Water Tank	17
Requirements for Operating Your Machine	17
Maintenance and Check	17
Fault Cause and Countermeasure	18
Correct Disposal of this product	19

SAFETY SIGNS AND PRECAUTIONS

- Understanding the safety signs
- Please read and understand these safety signs and precautions before operating the machine.

 Danger	Failure to follow these instructions may result in death, serious injury, fire, or significant property damage.
 Warning	Failure to follow these instructions may result in injury, fire, or property damage
 Forbidden	Indicates an action that must not be performed.
 Mandatory	Indicates an action that must be performed or followed.
 Caution	Indicates important information that requires your attention.

Matters prompted in the following column may possibly cause grave consequences due to different situations. All records are important. Please do read them carefully and observe.

	If the power cord is damaged, it must be replaced with a suitable cord or assembly supplied by the manufacturer or an authorised service agent.
	This appliance may be used by children aged eight years and over, and by people with reduced physical, sensory or mental capabilities or limited experience and knowledge, provided they are supervised or have been instructed in its safe use and understand the hazards involved.
	Children must not play with the appliance.
	Children must not clean or maintain the appliance unless they are supervised by a responsible adult.
	This appliance is intended for use by trained or experienced users in shops, light industrial workplaces and farms. It may also be used commercially by other users, provided they have received appropriate instructions.
	Disconnect the appliance from all power sources before servicing it or replacing any parts.

	Do not use the appliance in areas where volatile or flammable substances are used or stored. These include paint thinners, petrol, kerosene, LPG and other flammable liquids, as well as magnesium, aluminium, lead, combustible dust or vapours. These substances may ignite and cause a fire or explosion.
	Do not modify or alter the appliance. Unauthorised modifications may cause a malfunction, electric shock or fire.
	Only qualified service personnel may assemble, disassemble or repair the appliance. Unauthorised repairs may result in electric shock, fire or other serious hazards. Contact the authorised after-sales service provider or the place of purchase if repairs are required.
	Do not use the appliance in rain, snow or other wet conditions. Do not operate it with wet hands.
	Connect the appliance only to a 220–240 V AC, 50 Hz power supply. Using an unsuitable power supply may damage the appliance or create a safety hazard.
	Connect the appliance to a dedicated 10 A power outlet. Sharing the outlet with other electrical appliances may overload the circuit or cause the appliance to malfunction.

	The appliance must be installed and connected by a qualified person in accordance with applicable electrical standards and the manufacturer's instructions. Incorrect installation may cause electric shock, fire or other safety hazards.
	Keep all ventilation openings clear and free from obstruction.
	Keep cigarettes, naked flames and all other ignition sources away from the appliance. Heat or flames may damage the appliance and could ignite flammable refrigerant.
	Only connect the appliance to a properly earthed mains power supply protected by a suitable earth-leakage or residual current device.
	Operate the appliance only within an ambient temperature range of 20°C to 43°C. Operation outside this range may cause reduced performance or damage.
	Do not move the appliance while it is operating. Before use, ensure the castor brakes are engaged and the appliance is stable.

	Immediately stop using the appliance if it malfunctions, including if the fan stops, unusual noises or vibrations occur, or you notice an unusual smell.
	To prevent injury or damage, do not use the appliance in any of the following locations: • On vibrating, sloping or uneven floors • On stairs or near emergency exits, doorways or access routes • Near unstable or stacked objects • In windy or damp areas • In areas containing airborne metal dust or powder
	When unplugging the appliance, hold the plug firmly and pull it from the power outlet. Do not pull on the power cord, as this may damage the cord or plug and could cause electric shock, sparking or fire.
	Unplug the appliance when it will not be used for an extended period.
	Always disconnect the appliance from the power supply before installation, cleaning, servicing or maintenance.

	Use a clean, dry cloth to regularly wipe dust from the power plug. A dusty or damp plug may cause poor electrical contact or leakage, which could result in electric shock or fire.
	Do not excessively bend, pull, twist, pinch or modify the power cord. Do not overload the power supply. Damaged cords or overloaded circuits may cause electric shock, fire or other accidents.
	Do not use the appliance as a cooler in a boat, vehicle or other moving environment unless it has been specifically approved for that purpose. Incorrect use may create a safety hazard.
	Do not place fingers, hands or any objects into the air vents.
	This appliance uses a flammable refrigerant. If refrigerant leaks and comes into contact with a flame, spark or hot component, it may produce harmful gases and create a fire risk.
	Read the User Manual carefully before operating the appliance.
	Service personnel must read the User Manual and Service Manual carefully before carrying out any inspection, maintenance or repair work.

WARNING

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).

Do not pierce or burn.

Be aware that refrigerants might not contain an odour.



Warning on Refrigerant R32

- The machine is designed only for use with R32 gas as the designated refrigerant.
- **THE REFRIGERANT LOOP IS SEALED. ONLY A QUALIFIED TECHNICIAN SHOULD ATTEMPT TO SERVICE!**
- Component parts are designed non-incentive and non-sparking. Component parts shall only be replaced with identical repair parts.

SAFETY REGULATIONS FOR SERVICE AND REPAIR WORK

Repairs must only be carried out by authorized service personnel and only using genuine spare parts.

1. 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 following precautions shall be complied with prior to conducting work on the system.

2. Work procedure

Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

3. General work Area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

4. 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.

5. Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

6. No ignition sources

No person carrying out work in relation to a refrigeration 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. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, 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.

7. 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.

8. Checks to the refrigeration 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 following checks shall be applied to installations using flammable refrigerants:

- The charge size 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;
- Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

9. Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures if a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised. Initial safety checks shall include:

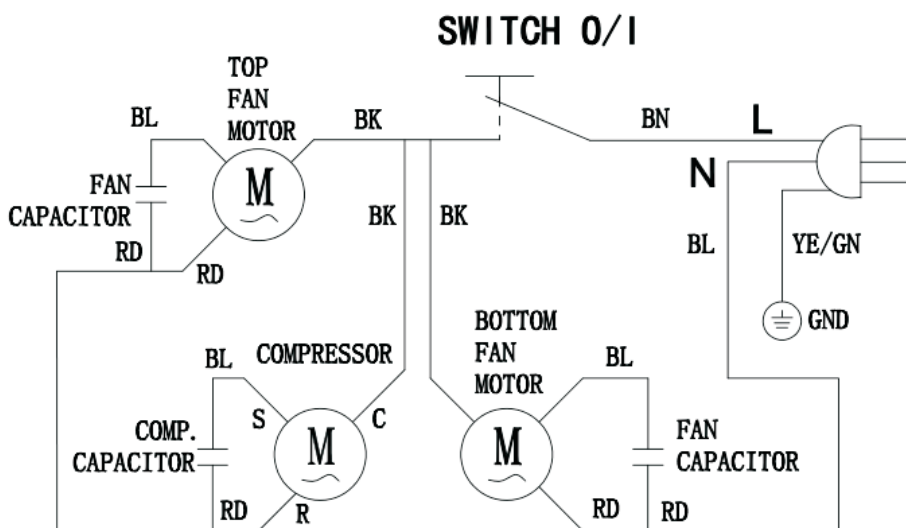
- That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
- That there no live electrical components and wiring are exposed while charging, recovering or purging the system;
- That there is continuity of earth bonding.

TECHNICAL PARAMETERS

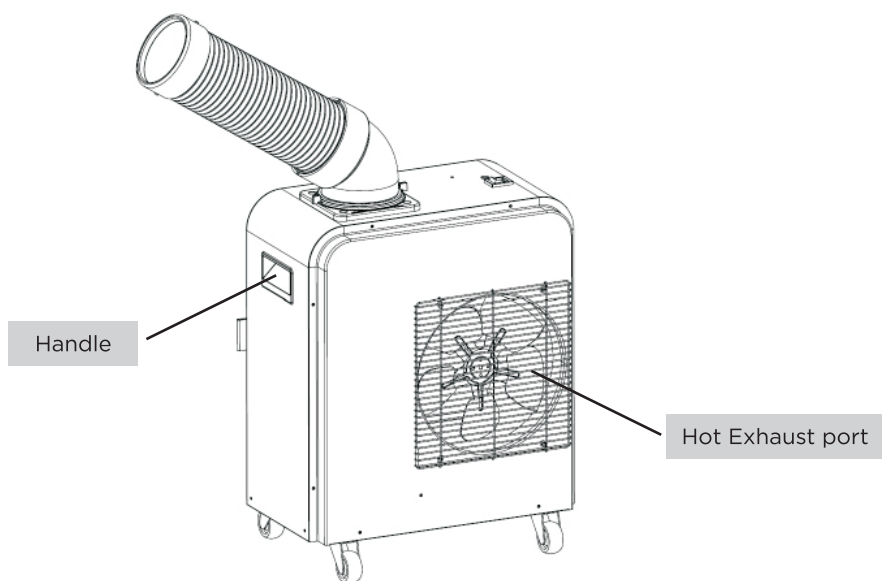
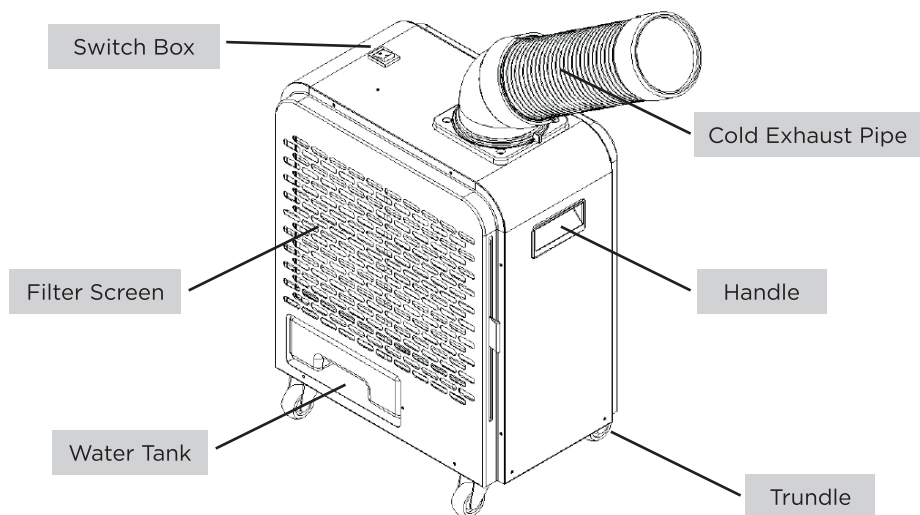
Model	PIN RSC20
Power	220-240 V/50 Hz
Refrigerating Capacity	6800 BTU/2000 W
Rated Power	950 W (35/24)
Rated Current	4 A
MAX. Power	1200 W (43/26)
MAX. Current	5.2 A
MAX. Suction Pressure	2.5 MPa
MAX Discharge Pressure	4.5 MPa
MAX Allowable Pressure	4.5 MPa
Refrigerant/Charge Quantity	R32/330 g
Operating Temperature	20°C~43°C
Net Weight	25.5 kg
Product Dimension	465 x 287 x 586 mm
Packaging Dimension	560 x 325 x 715 mm

ELECTRICAL SCHEMATIC DIAGRAM

Model: PIN RSC20 Elementary Wiring Diagram

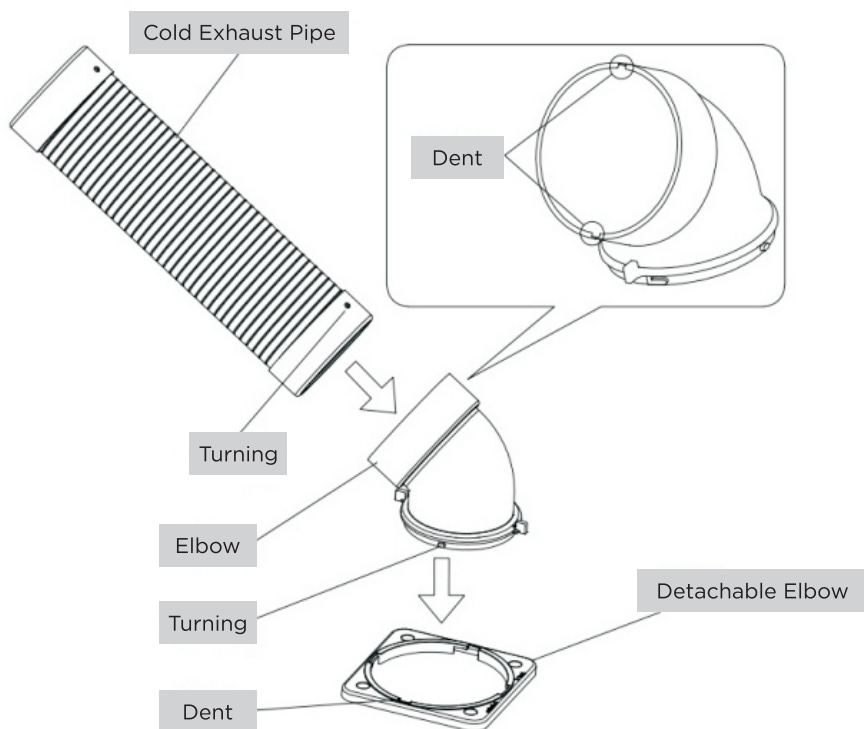


PRODUCT STRUCTURE



INSTALLATION METHOD

- Installation method of elbow: point the turning of the elbow to the dent of the detachable elbow base on the machine, insert it in and rotate it anticlockwise. The elbow is in place when a sound of crack is heard (Fig.1)
- Installation method of cold exhaust pipe: point the turning of the cold exhaust pipe to the dent of the cold exhaust pipe, insert it in and rotate it to the left to make it in place (Fig.1).



(Fig. 1)

OPERATION METHOD

1. Operation method

- Press the rocker switch <<I>> on the upper part of the machine, and the compressor will immediately start the cooling work, and at the same time start the fan air.
- When the rocker switch "o" is pressed, the machine is turned off and stops running.

Note: This Spot Cooler cannot be started immediately after the machine has been shut down. Please wait for 3 minutes before starting again.

Please turn off the cooler, and then turn off the power before moving the machine.

2. Compressor overheat protection.

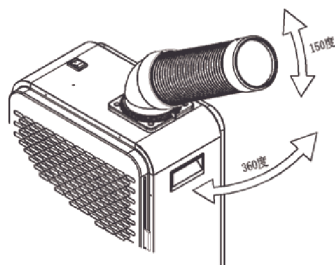
- The compressor is overheated and overloaded due too excessive or too low voltage and high ambient temperature. In order to protect the compressor, the overload protector will operate and cut off the compressor power.
- If the cooler is restarted immediately after the machine, it will also cause compressor current overload protection.

Note: When the overload protection device is activated, the machine only blows out natural wind and does not cool. If the thermal overload protection is frequently activated, please find and eliminate the cause before using the machine.

3. Adjustment range and operation of the air direction

- The cold air duct can rotate around 360 degrees.
- The cold air duct can be moved up and down by about 150 degrees.

Note: When adjusting the air outlet angle of the cold air duct, please hold the elbow for adjustment. You cannot directly hold the cold air duct for adjustment.



WATER TANK

Method of using water tank: When the water level in the water tank is about 2.5CM from the upper end surface of the water tank, please turn off the cooler first, then pull out the water tank, re-install the water tank after draining the water, wait for the shutdown time for more than 3 minutes, then start the cooler again. It will work properly.

Attention:

- Please do not move the machine when the water is full. Drain the water before moving it.
- Compressor has 3 minutes delay protection function. After pouring water, the compressor will start automatically with a delay of 3 minutes. Before that, only the fan will send out natural air.

REQUIREMENTS FOR USING YOUR MACHINE

Special reminder users:

- When using the machine, the air inlet and the cold air duct should be separated from the wall surface or other obstacles by more than 30cm, and the hot air outlet is more than 80cm away from the barrier.
- The machine should be placed on a level surface, and it should not be used on slopes, uneven floors, house entrances and exits, etc., To avoid a safety accident. Do not use the unit in wet places such as rain and snow to avoid a safety accident.

Note: Do not place obstacles on the front of the air inlet, cold air duct and hot air exhaust. Do not aim at hot exhaust vents.

MAINTENANCE AND CHECK

- Please clean the filter screen on schedule. Dust and dirt on the filter screen may affect the air supply and cause frosting of heat exchanger, leading to machine breakdown.
- For filter screen cleaning, please use a vacuum cleaner to suck the dust out on the filter screen and then use clean water to wash it. Use it when it is completely dry.

Attention: When cleaning machine surfaces, please do not use diluents, volatile oil, and other articles that may damage the surfaces.

- Please check if the power line is broken. If so, replace it immediately.
- Please check if any screw is loose. If so, screw it tight.
- Before long-term shut-down of machine, please pour the water in the reservoir out and save it when the tank is dry.
- Please do not place the machine horizontally or upside down.
- Please put the machine where kids cannot approach. In the meantime, avoid storing it in places with high temperature, rain splash or direct sunlight. Attention: Please disconnect the power plug out when changing parts during maintenance and checks. Please Disconnect the power plug out when keeping the machine.

FAULT CAUSE AND COUNTERMEASURE

1. If the cooler breaks down, please immediately cut the power off and pull the power plug out from the socket to check the following matters:

Fault	Cause Analysis	Troubleshooting
Out-of-Operation	If the power plug is loose or falls off	Please insert the power plug firm in the power socket
	Fuse is burnt	Ask professional to replace the fuse
Out-of-Refrigeration	Heat exchanger surface is blocked by filth	Clean heat exchanger surface to ventilate it to give off heat
	Hot exhaust blower fails	Repair or replace hot exhaust blower
	External temperature is too high	Please use it in proper place
	Compressor capacitor is damaged	Replace compressor capacitor
	Refrigerating system pipeline is clogged	Replace pipeline system
	Overly high or low input voltage	Please choose proper voltage
	Compressor overheat and overload protection fails	Restart after cooling
	Compressor motor fails	Repair or replace compressor
Water Leakage	Drainpipe opening is clogged	Dredge drainpipe
	Water tank position is not in place	Reset it
	Filter screen has dust and filth	Please clean filter screen
	Water tank is full	Poor water out in a timely manner

FAULT CAUSE AND COUNTERMEASURE



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

DISTRIBUTED IN AUSTRALIA BY



B.A.R Group P/L
15 Hudson Place,
Mulgrave, NSW, Australia 2756
Phone: 02 4577 2144
www.bargroup.au

DISTRIBUTED IN NEW ZEALAND BY



BE Pressure Supply
541D Te Rapa Road, Te Rapa,
Hamilton 3200, New Zealand
Phone: 07 849 0000
www.bepressure.co.nz

Errors and omissions excepted.
Specifications and performance may change.