

BLAST CHILLERS

SFS40 SFS40B SFS120 SFTS120 SFS240 SFTS240 SFS350 SFTS350



Importance:

For your safety, read the manual carefully before installing or using this product. Save this manual for future reference .

INTRODUCTION

Dear Customer,

Thank you for choosing one of our products.

The model you have chosen is a high performance product, featuring an advanced design and technology, high reliability and constructive quality.

We suggest you entrust its management and maintenance to trusted professionally qualified personnel using, when necessary, only original spare parts.

This manual contains important instructions and suggestions that must be followed for simpler installation and to ensure the best use of the appliance.

For your safety read the manual carefully before assembling or using this product.

Save this manual for future reference. Correct maintenance and operation of this machine will provide the best possible performance from your product.



We prides on quality and service, ensuring that at the time of packaging the contents are supplied fully functional and free of damage Should you find any damage as a result of transit, please contact your dealer immediately.

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Safety Tips

All products uses R-290 (propane) as a refrigerant. These hydrocarbon refrigerants are highly environmentally compatible but also are flammable and combustible. Please read this manual thoroughly before installing and operating the unit. Please take cautious measures to avoid risk of fire or explosion.

	DANGER - Risk of fire or explosion. Flammable refrigerant used. Do not use mechanical devices to defrost refrigerator. Do not puncture refrigerant tubing.
	DANGER - Risk of fire or explosion. Flammable refrigerant used. To be repaired only by trained service personnel. Do not puncture refrigerant tubing.

Position on a flat, stable surface.

A service agent/qualified technician should carry out installation and any repairs if required. Do not remove any components or service panels on this product.

Consult Local and National Standards to comply with the following:

- Health and Safety at Work Legislation
- Fire Precautions
- IEE Wiring Regulations
- Building Regulations
- The appliance is intended for commercial use.
- DO NOT attempt to service the item yourself.
- DO NOT use damaged appliances. If you are in any doubt, consult service agent.
- Do not use electrical appliances inside the food/ice storage compartments unless they are of the type recommended by the manufacturer
- Keep clear of obstruction all ventilation openings in the appliance enclosure or in the structure for building-in.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerating circuit.
- DO NOT stand or support yourself on the appliance .
- DO NOT allow oil or fat to come into contact with the plastic components. Clean immediately if contact occurs.
- DO NOT place combustion, explosive or volatile article, corrosive acid or alkali, or liquid into the unit.
- DO NOT use this appliance to store medical supplies.
- DO NOT use jet/pressure washers to clean the appliance.
- DO NOT allow children to play with the packaging, and destroy plastic bags safely.
- Always carry, store and handle the appliance in a vertical position and move by holding the base of the appliance.
- Always switch off and disconnect the power supply to the unit before cleaning.
- Keep all packaging away from children. Dispose of the packaging in accordance with the regulations of local authorities.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision

- For indoor used only. Not suitable for installation in an area where a water jet could be used. Must not be cleaned by a water jet.
- To guarantee safe operation, ensure that the appliance is set up and connected as described in the instruction manual.
- Any repairs and work on the appliance should only be carried out by the customer service department.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.



All products uses R290 refrigerant, pay attention to fire and explosion protection during maintenance.



To avoid the creation of a flammable gas-air mixture from a leaking refrigerating circuit, the size of the room in which the appliance is placed depends on the amount of refrigerant used. The amount of refrigerant in your particular appliance is shown on the label inside the cabinet. The assumed minimum room height is 2.2m, the minimum room floor area must be 12.2m².



$\geq 12.2\text{m}^2$

Product Description

Model	SFTS120	SFTS240	SFTS350	SFS40
Climate type	4			
Electric shock resistance	I			
Volume (L)	120	240	350	40
Operating temperature range (°C)	-18 ~ -35	-18 ~ -35	-18 ~ -35	-18 ~ -35
Refrigerant type	R290	R290	R290	R290
Power supply	AC230V/50Hz	AC230V/50Hz	AC230V/50Hz	AC230V/50Hz
Freezing Capacity (kg/4h)	15	30	45	6
Foaming materials	C5H10			
Weight (kg)	110	150	180	55

Note: the automatic upgrade of the product is subject to the nameplate without notice.

Temperature controller operation instructions, refer to "temperature controller manual"

Installation

1. Remove the appliance from the packaging. Make sure that all protective plastic film and coatings are thoroughly removed from all surfaces. To prevent injury or damage to the unit, the appliance should be unpacked and set up by two people.
2. Maintain a distance of 20cm (7 inches) between the unit and walls or other objects for ventilation. Increase this distance if the obstacle is a heat source.
3. Level the appliance by adjusting the screw feet. It should be placed on the level solid floor or base to reduce the vibration and noise.
4. The temperature in the place where the blast chiller is located must be between 10 and 32°C(Climatic Class 4). Avoid locating it in direct sunlight or near heat source such as an oven or a radiator.
5. Please make sure the appliance is properly ventilated.
6. Power supply and voltage at the operating point used comply with the details on the rating label. The plug must be accessible after installation
7. Correctly connect and disconnect the plug. When insert the plug, it must be plugged tightly when pulling out the plug, the plug should be holded by hand. Never pull the supply cord directly.
8. If the blast chiller is to be shut down for long period, switch it off and disconnect the plug from socket outlet. Clean the appliance and leave the lid open to prevent odor.
9. **Important! For your personal safety, this appliance must be properly grounded.**

This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be inserted into an outlet that is properly grounded and installed. Consult a qualified electrician or service center if you do not completely understand the grounding instructions. If

doubt exists as to whether the appliance is properly grounded, have a qualified electrician check the circuit to make sure the outlet is properly grounded.

10. If the cable does not reach the nearest socket, either rearrange your store layout or ask a qualified electrician to fix a new socket.

11. If power is cut off, wait for at least 3 minutes before restart the unit to avoid damaging the compressor.

Cleaning, Care & Maintenance

Routine Maintenance

Switch off and disconnect from the power supply before cleaning.

- Clean the enclosure and interior of the appliance as often as possible.
- Wash the unit with moist cloth. Never allow the switch, control panel, cable or plug to get wet.
- Do not use abrasive cleaning agents. These can leave harmful residues. Use only mild soapy water.
- Ensure that no cleaning water penetrates into the electrical components.
- Must not be cleaned by a water jet.
- Always wipe dry after cleaning with soft cloth. .
- Take care when cleaning the rear of the appliance.
- An agent or qualified technician must carry out repairs if required.
- If the appliance is to be left inactive for long periods, unplug the power plug , empty the refrigerating compartment and clean thoroughly.

Special Maintenance

The instructions given in the following paragraph are for SKILLED PERSON.

Periodic Operations

- Periodically clean the condenser using suitable tools (vacuum cleaner or soft brushes)
- Check that the electrical connections are not loose.
- Check that the thermostat and the sensor are in proper working order.
- Recommend that an agent or qualified technician clean the condenser.
- Replace the power cable with qualified technical personnel.
- Replace the lamp with qualified technical personnel.

Troubleshooting

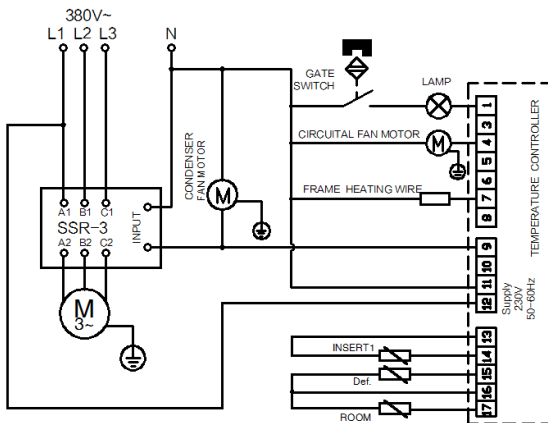
If your appliance develops a fault, please check the following table.

Fault	Probable Cause	Action
The appliance is not working	The unit is not switched on	Check the unit is plugged in correctly and switched on
	Plug and lead are damaged	Call your agent or qualified technician
	Fuse in the plug has blown	Replace the fuse (GB)
	Power supply	Check the power supply to ensure it conforms to the nameplate on the back of the product
	Internal wiring fault	Call your agent or qualified technician
The appliance turns on, but the temperature is too high/ low	Too much ice on the evaporator	Stop the machine and defrost manually
	Condenser blocked with dust	Call your agent or qualified technician
	Appliance is located near a heat source or air flow to the condenser is being interrupted	Move the unit to a more suitable location
	Ambient temperature is too high	Increase ventilation or move appliance to a cooler position
	Unsuitable foodstuffs are being stored in the appliance	Remove any excessive foodstuffs or blockages to the fan
	Appliance is overloaded	Reduce the amount of food stored in the appliance
The appliance has unusual sound	Loose nut/screw	Check and tighten all nuts and screws
	The appliance has not been installed in a level or stable position	Check installation position and change if necessary
The appliance has difficulty in reaching and/or maintaining the set temperature	The set temperature is too low.	Check that the parameters set corresponding to your temperature requirements.
	Temperature probes broken or faulty.	Check the integrity of the temperature probe or replace the probe
	There are refrigerant gas or fluid leaks	Identify the leak and close it (get a specialist technician to perform the check and repair).
	The condenser fins are covered with dust.	Carefully remove dirt with a soft bristle brush
	Loss of cooling power caused by frequent and/or prolonged opening of the door.	check that the system works properly. Check that there are no obstructions in the air vents.
	The door is not well sealed with condensed water	Blow the seal off the door with a hair dryer or use hot water at 45 ° C

Circuit diagram

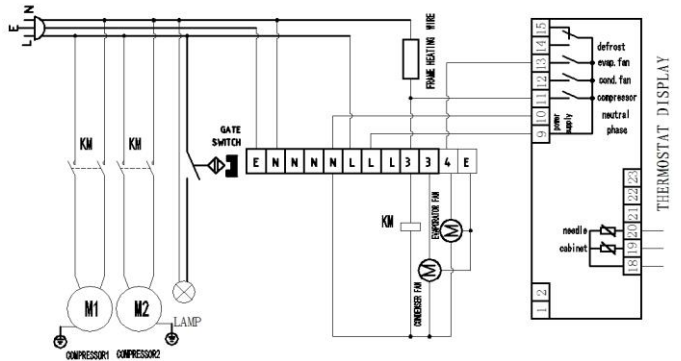
SFS40(B)

CIRCUIT DIAGRAM



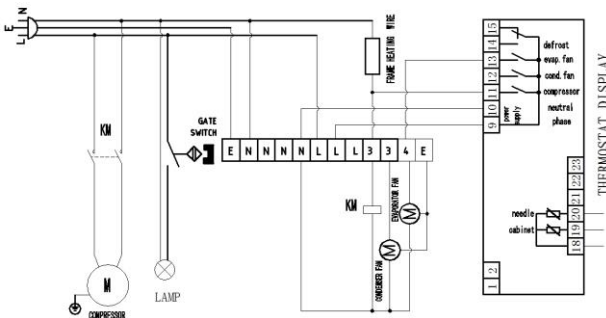
SFS240/SFS350

CIRCUIT DIAGRAM



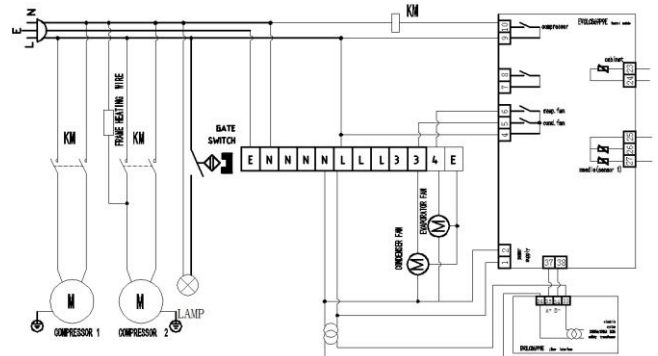
SFS120

CIRCUIT DIAGRAM



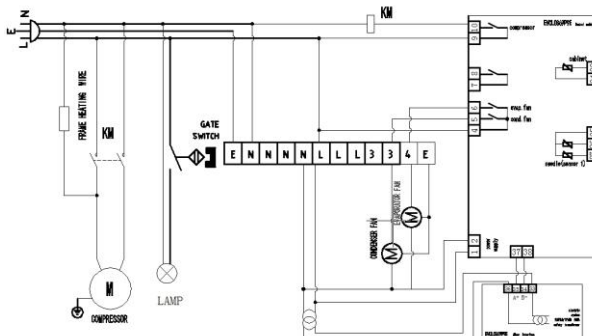
SFTS240/SFTS350

CIRCUIT DIAGRAM



SFTS120

CIRCUIT DIAGRAM



Disposal


The packaging is designed to protect the appliance and individual components during transport and is made of recyclable materials.

Please return the packing material to the nearest official collection point so that the various materials can be recycled or reused as far as possible and so as to avoid throwing them away. Old appliance still contains reusable material and should not be disposed of with household or bulk refuse.

Be sure to make any locks unusable. If possible remove any door(s) and discard separately. Remove the spring-action or bolt catch from the appliance or render it unusable so that children can not become trapped inside.

Please note the refrigeration system contains gases and refrigerants which require special waste disposal. Ensure that the refrigerant circuit is not damaged prior to disposal. You can contribute to environmental awareness by insisting on an appropriate non-polluting method of disposal. Information concerning the refrigerant and insulation materials used can be found on the rating label.

Information on collection dates or collection points can be obtained from the waste disposal authorities or local council.

The symbol  on the product or its packaging indicates that this product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, it will help to prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Warranty

The appliance and the components we produce are guaranteed for 1 year from the date of consignment and any part or parts thereof, which are shown to the company's satisfaction to be defective, will be replaced free of charge.

Any such faults shall not, however, be considered if due to incorrect use of the product resulting from the instructions given in this handbook not having been followed.

Charges for labor, travel and carriage are not covered by the warranty.

BE CAREFUL

The warranty is void if the appliance has been used without following the instructions given in this manual

The warranty is void if the customer independently, or by means of third parties not authorized by the manufacturer/authorized retailer, makes changes and/or attempts to repair the product.

The product must be used only as indicated by the manufacturer. Any contractual or extra-contract liability of the manufacturer for any damage caused to people, animals or things by incorrect installation, setting or maintenance or by improper use is excluded.

The warranty is limited to the repair or replacement ex-works of faulty pieces to ascertain material or machining defect

The replaced parts remain the property of the manufacturer and the cost of labour for the repair and the travel expenses of the personnel are charged to the customer, as well as shipping and transport costs

All other compensation is excluded and direct and/or indirect damages of any nature or type cannot be claimed.

The electrical parts, consumables or anything that results as faulty due to improper use, negligence and incorrect use manoeuvre are not included

The warranty is void if the purchaser fails to comply with the due payments



This product uses flammable refrigerant R290, please pay attention to fire and explosion-proof

First aid

In case of an emergency, please call the emergency number or another emergency service available in the territory.

To give first aid adopt the following measures:

Inhaling a high concentration can cause suffocation. The symptoms can include loss of movement and/or consciousness. The person may not realize he/she is suffocating.

Wearing the breathing apparatus, move the person to a ventilated area, make them lie down and keep them warm. Provide artificial respiration only if the person is not breathing. Seek immediate medical assistance.

Contact with the skin: thaw the affected parts with water, remove contaminated clothing very carefully because in case of burns it can stick to the skin. In the case of contact with the skin wash immediately with plenty of lukewarm water. Visit a doctor should irritations or reddening of the skin take place.

Contact with eyes: Wash eyes immediately using plenty of running water for at least 15 minutes or with eye solutions keeping the eyes wide-open. Seek immediate medical assistance.

Ingestion: unlikely exposure. If it does occur, do not induce vomiting. If the injured person is conscious, make him/ her drink 200-300 ml of water. Seek immediate medical assistance.

Main symptoms: suffocation.

Requires immediate medical assistance or specialist treatment: symptomatic or support therapy when indicated. Do not administer adrenalin or so called Parasympathetic drugs or similar after exposure because of the risk of heart arrhythmia or subsequent heart failure.



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