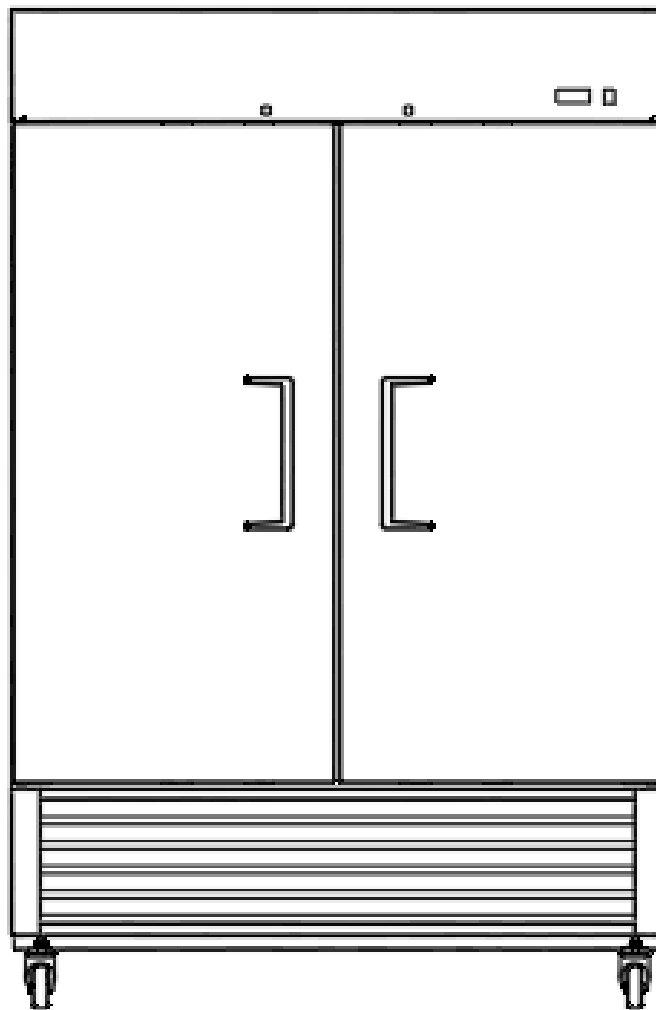




Reach-In Refrigerator & Freezer User Manual



REFRIGERATORS: ARST27BR, ARST54BR, ARST81BR
FREEZERS: ARST27BF, ARST54BF, ARST81BF

Please read this manual completely and keep for future use.

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Safety Tips

- The appliance is intended for commercial indoor use only.
- DO NOT use the appliance outside.
- DO NOT attempt to service the item yourself.
- DO NOT use damaged appliances. If you are in any doubt, consult a service agent.
- DO NOT use electrical appliances inside the appliance (e.g. heaters, ice-cream makers etc.)
- Keep ventilation openings in the appliance enclosure clear of obstructions.
- DO NOT use mechanical devices or other means to accelerate the defrosting process.
- DO NOT damage the refrigerant circuit.
- DO NOT allow oil or fat to come into contact with the plastic components or door seal. Clean immediately if contact occurs.
- DO NOT place combustible, explosive or volatile articles, corrosive acids or alkalis or liquids in the appliance.
- 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.
- Bottles that contain a high percentage of alcohol must be sealed and placed vertically in the refrigerator.
- Always carry, store and handle the appliance in a vertical orientation and move by holding the base of the appliance.
- Always switch off and disconnect the power supply to the unit before cleaning.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons to avoid a hazard.
- This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction 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.
- For indoor use only. Not suitable for installation in an area where a pressure washer could be used. Must not be cleaned by a pressure washer.
- To guarantee safe operation, ensure that the appliance is set up and connected as described in the manual.
- The key to the refrigerator or freezer should be kept out of the reach of children and in a safe place.

Important Safety Instruction



DANGER - Risk of fire or explosion. Flammable refrigerant used. To be repaired only by trained service personnel. Do not puncture refrigerant tubing.

CAUTION - Flammable refrigerant used. Refer to manual before attempting to install or service this product. All safety precautions must be followed.

CAUTION - Dispose of properly in accordance with federal or local regulations.

Caution -Risk of fire or explosion due to flammable refrigerant used. Follow handling instructions carefully in compliance with local government regulations.

DANGER- Do not use mechanical devices to defrost refrigerator or freezer. Do not puncture refrigerant tubing.

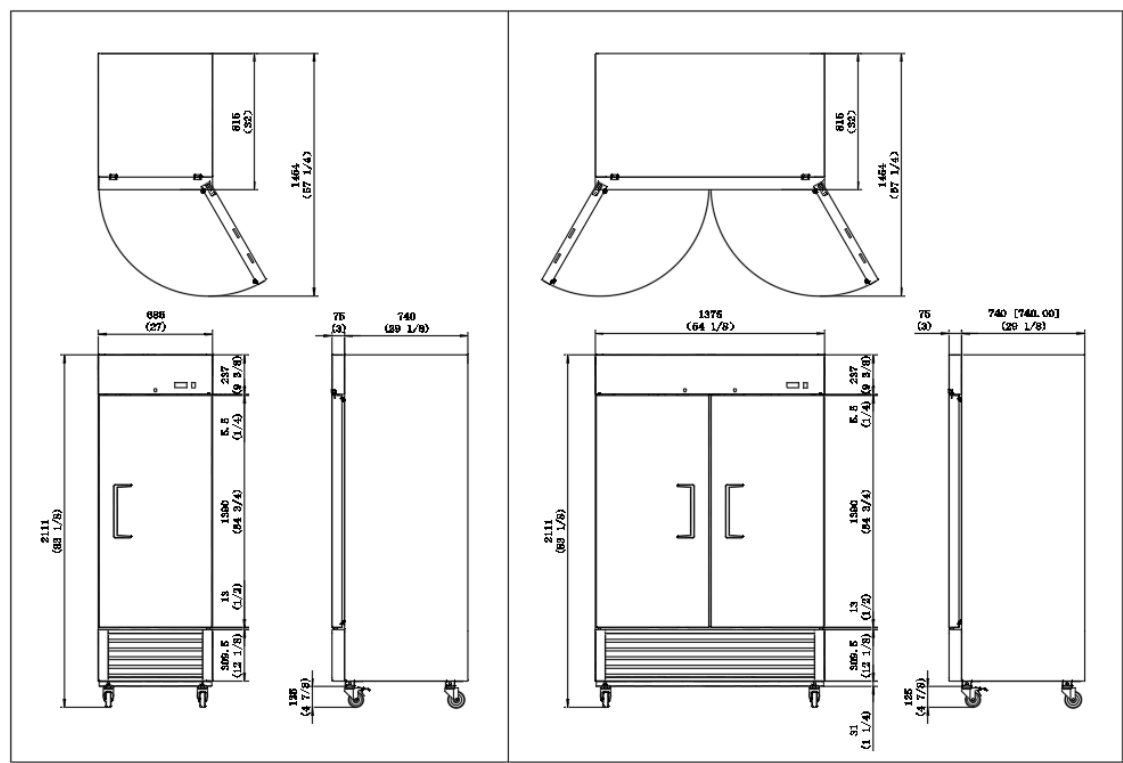
CAUTION - When handling, moving and using the refrigerator or freezer, make sure to avoid damaging the refrigerant tubing, or increasing the risk of a leak.

Component parts shall be replaced with like components and all servicing shall be done by factory authorized service personnel, to minimize the risk of possible ignition due to incorrect parts or improper service.

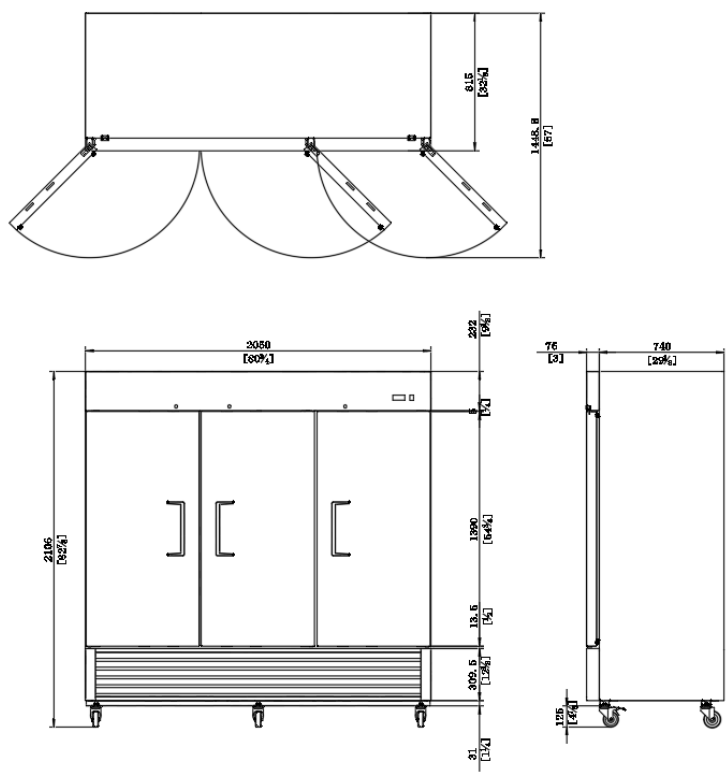
The equipment is intended for use in an area where the environmental conditions are controlled and maintained so that the ambient temperature typically does not exceed 90°F (32°C).

DIMENSIONS

MODEL: ARST27BR, ARST27BF MODEL: ARST54BR, ARST54BF



MODEL: ARST81BR, ARST81BF



TECHNICAL INFORMATION

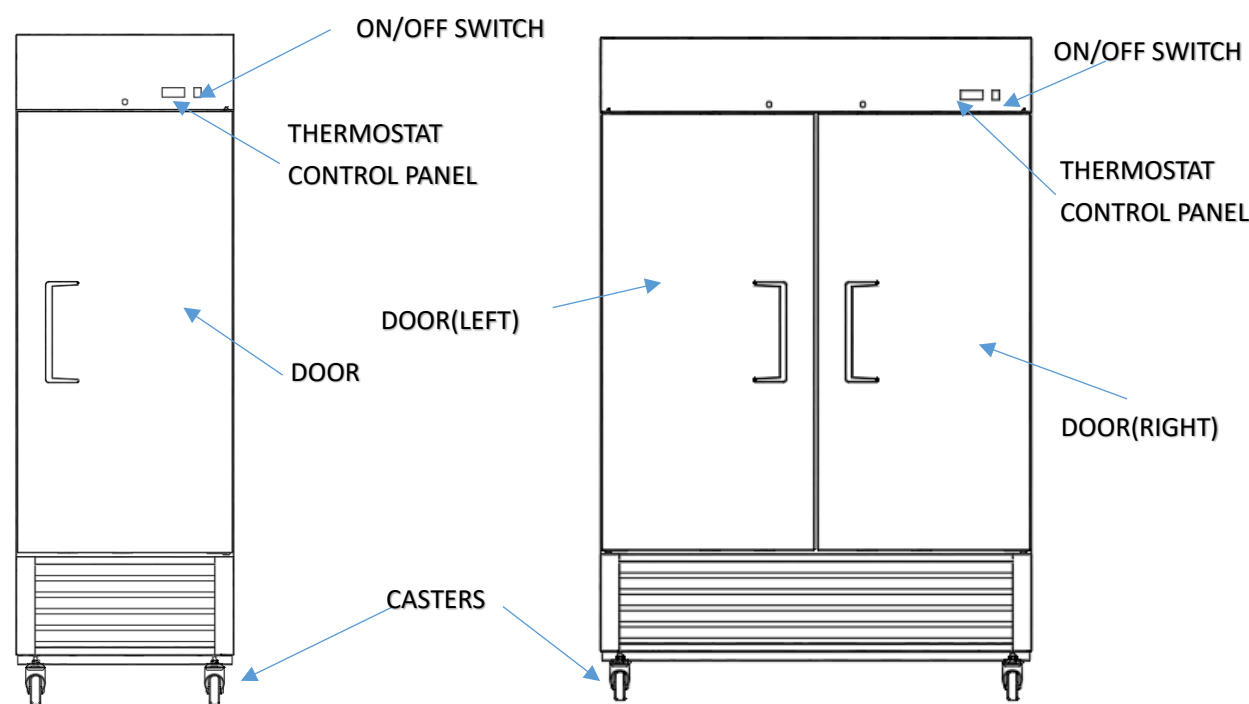
Model	Voltage (V/Hz)	Amps	Temp. Range (°F)	Cu. Ft. Capacity	Dimension (W x D x H) (in)
ARST27BR	115/60	3.5	33°F ~40°F	21	27 x 32 x 83.1
ARST27BF	115/60	5	-8°F ~1°F	21	27 x 32 x 83.1
ARST54BR	115/60	4.6	33°F ~40°F	47	54-1/8 x 32 x 83.1
ARST54BF	115/60	7.1	-8°F ~1°F	47	54-1/8 x 32 x 83.1
ARST81BR	115/60	5	33°F ~40°F	71	80-3/4 x 32 x 83
ARST81BF	115/60	10	-8°F ~1°F	71	80-3/4 x 32 x 83

Intended Use

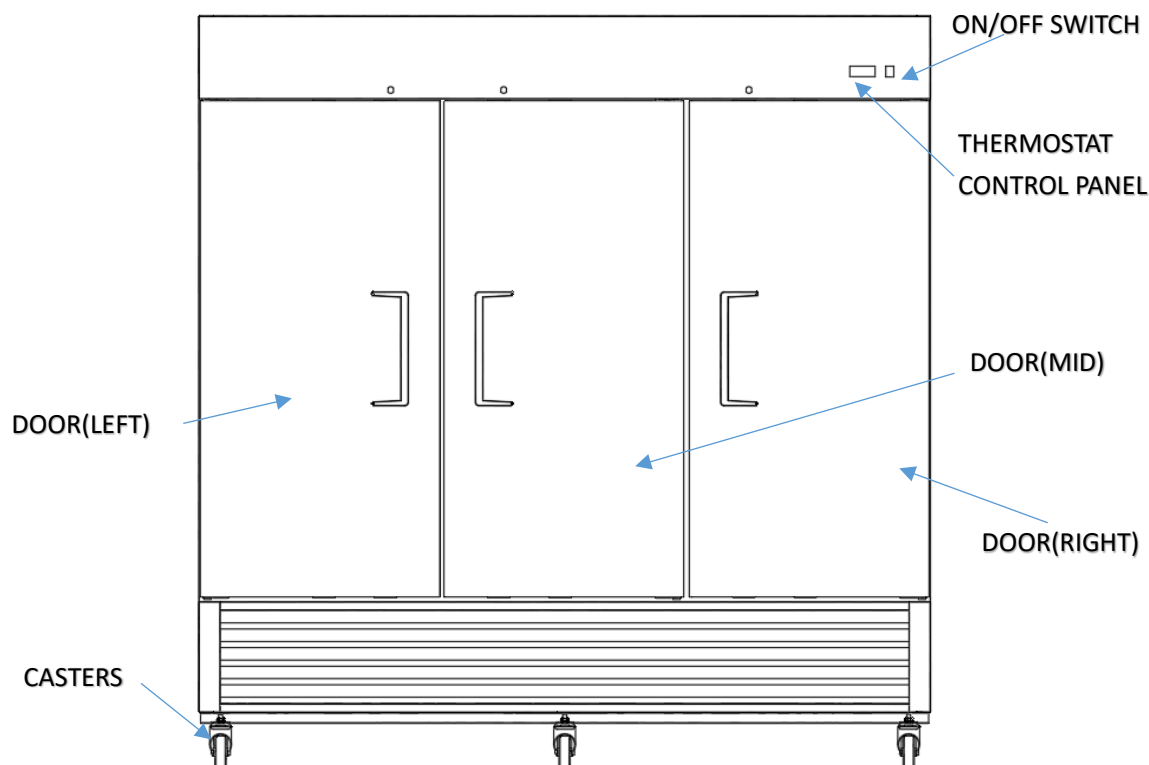
Only use this appliance for storage of food and beverages for commercial purposes. Indoor use only.

COMPONENT INFORMATION

MODEL: ARST27BR, ARST27BF MODEL: ARST54BR, ARST54BF



MODEL: ARST81BR, ARST81BF



Location and Installation



The cabinet should be placed in a room that is dry and sufficiently ventilated. To operate efficiently it should not be positioned in direct sunlight or near warm appliances. Please note that optimal cabinet performance is obtained at an ambient temperature between 60.8°F and 90°F.

Freezer or Refrigerator: By placing the cabinet in an environment with high air humidity, it may be necessary to acquire extra equipment for evaporation of the drip water in the pan near the compressor.

Important!

The cabinet must have sufficient ventilation and free air circulation beneath, above and behind the cabinet. The casters under the cabinet will help ensure sufficient air space.

- 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, we recommend that the appliance should be unpacked and set up by two people.
- The appliance should be placed on a solid level floor to reduce noise and vibration.
- Check that the power supply and voltage used comply with the details on the rating plate. The plug must be accessible after installation.
- Correctly connect and disconnect the plug. When inserting ensure the plug is fully engaged. When unplugging pull from the plug, never pull the supply cord directly.

- If the appliance is to be shut down for a long period, switch it off and disconnect the plug from the outlet. Clean the appliance and leave the door open to prevent odor.
- **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.
- If the cable does not reach the nearest socket, either rearrange your layout or ask a qualified electrician to install a new socket.
- If power is cut off, wait for at least 3 minutes before restarting the appliance to avoid damaging the compressor.

Note: If the unit has not been stored or moved in an upright position, let it stand upright for approximately 12 hours before operation.

Note: Before using the appliance for the first time, clean the shelves and interior with soapy water.

Power Requirements

The cabinet is intended for connection to an alternating current. The connection voltage (V) and frequency (Hz) are shown on the nameplate inside the cabinet. The power connection is made using a three-pin plug to a wall outlet. Any requirement for grounding from the local power supply must be met.



Warning - This appliance must be grounded.

Troubleshooting

If your Refrigerator or Freezer develops a fault, please check the following table.

Fault	Probable Cause	Action
The appliance is not working	The unit is not switched on	Check that the unit is plugged incorrectly and switched on
	Plug and/or lead are damaged	Call our agent or qualified technician
	Power supply	Check power supply
	Internal wiring fault	Call our agent or qualified technician
The appliance turns on, but the temperature is too high/low	Too much ice on the evaporator	Defrost the appliance
	Condenser blocked with dust	Clean the condenser thoroughly
	The door is not shut properly	Check that the door is shut, and seals are not damaged
	Appliance is located near a heat source, or air flow to the condenser is blocked	Move the refrigerator 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 hot foodstuffs or blockages to the fan
	Appliance is overloaded	Reduce the amount of food stored in the appliance
The appliance is leaking water (Refrigerator)	The appliance is not properly leveled	Adjust the screw feet to level the appliance
	The discharge outlet is blocked	Clear the discharge outlet
	The water container is damaged	Call our agent or qualified technician
The appliance is unusually loud	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

Disposal

If the appliance is no longer of use and you wish to dispose of it, please do so in an environmentally correct way. There may be special requirements or conditions in your local area. You can obtain information on the disposal of appliances from your dealer or local authority.

OPERATION

1. Every 6 hours, the unit will turn off and allow the evaporator coil to air defrost. The controller now displays the defrost symbol. When the coil temperature reaches 53°F (12°C) or after 30 minutes of defrost, the unit will turn on again.
2. Anti-condensation heaters on door frames work in conjunction with the compressor.
3. Recommended refrigerator holding temperature range: 34° to 40°F (2° to 5°C).
4. Comes factory set to 39°F (4°C).

Power Switch:

The power switch is located on the front of the bottom panel. When the unit is on, the switch will glow green.

SOLID-STATE THERMOSTAT DESCRIPTIONS

1. FRONT PANEL COMMANDS








2.2 Operation and display panel



2.3 Specification size

Mounting size: 71 * 29mm Product size: 78.5 * 34.5 * 74mm

2.4 Indicator symbol and status description

Indicator light	Symbol	Status	Meaning
Setting		ON	Parameter setting
		OFF	Status of temperature measuring and controlling
Refrigeration		ON	Refrigeration work
		OFF	Refrigeration stop
		FLASH	Refrigeration time delay
Defrost		ON	Defrost work
		OFF	Defrost stop
		FLASH	Defrost delay/defrost drip
Fan		ON	Fan work
		OFF	Fan stop
Heating indicator		ON	Heating work
		OFF	Heating stop
		FLASH	Heating delay
Door switch		ON	Cabinet door open
		OFF	Cabinet door close
Power		ON	External power supply
		OFF	AC power supply

OPERATION

2. MAIN FUNCTIONS



Keys	Function	Button action
	The real-time display interface is continuously pressed to enter the parameter setting state	Pressing the keys for 3s
	View and modify the cabinet temperature setting	Press the response
	Switch between menu and parameter	Press the response
	The real-time display interface is pressed to view the temperature value of the evaporator sensor	Press the response
	Press the parameter setting interface to exit the parameter setting state	Press the response
	The real-time display interface continuously switches between refrigeration, defrost/defrost delay, and defrost drip for 3 seconds	Pressing the keys for 3s
	Press the parameter setting interface to adjust the menu and parameters	Press the response
	Live display interface pressed to turn lights on/off (only valid for models with light control)	Press the response
	Press the parameter setting interface to adjust the menu and parameters	Press the response
+	Controller on/off	Combine the keys and press 3S continuously
+	View the interface and press and hold 3S to enter maintenance mode	Combine the keys and press 3S continuously
+	Force start refrigeration	Combine the keys and press 3S continuously

1) View and modify cabinet temperature set-point

- Under temperature measuring and controlling status, press and release key, the set indicator will light and the panel will display cabinet temperature set-point. Users may view and modify the cabinet temperature set-point.
- Press key or keep the controller inactive for 30 seconds, the controller will exit cabinet temperature viewing/modifying status with the current temperature set-point automatically saved.

2) Set parameters

- Under temperature measuring and controlling status, press the key for 3 seconds, display password "00" (After pressing the key continuously for 2S, the "Po" code 1S will be displayed, and after the "Po" display disappears, you can release the key), set indicator setting key on, display password "00" (Administrator menu password, you need to enter the correct password to enter the administrator menu).
- Press key, the panel will display 00. Users can enter the controller's admin menu password by pressing or key. After the password entered (please make sure the password is fully entered), press key, the controller will automatically verify the password. Once the password has been verified (entering admin menu), the panel will display c1. Press or key to select parameter c1, c2.....Po, i.e.(Menu items cycle through) ; If the password is entered incorrectly, the controller displays "Er" and returns to the measurement and control status.
- After a parameter is selected, press key to set its value. Use or key to adjust the value, then press key again to return to menu option status.
- Under parameter setting status, press key or keep the controller inactive for 30 seconds to exit settings with the parameter set-point saved automatically.

Note: ① Admin menu password can be set via parameter Po.

② If Po is set to 0, i.e. no password is required when entering admin menu. Under temperature measuring and controlling status, press key for 3S, the panel will display c1 directly.

③ Users may use universal password 125 to enter admin menu if Po value is forgotten.

④ The admin menu password is valid for once. After exiting parameter settings by pressing or keeping the controller inactive for 30S, correct password is required again before adjusting parameters.

3) View the value read by the defrost sensor

Under temperature measuring and controlling status, press key to view the measured temperature by the defrost sensor.

4) Manual force operation

- Under temperature measuring and controlling status, press and hold key for 3S to switch the status between cooling, defrost/defrost delay and dripping.
- Under temperature measuring and controlling status, press key to turn on or off the light(Valid only for models with light control).

5) Power on/off

- Under temperature measuring and controlling status, press and hold + key for 3S, the controller will be turned off and shut down all the outputs and the panel will display ---.
- When the controller is off, press and hold + key for 3S, the controller will be powered on.
- When the controller is off, press key, the light can be turned on or off and other keys are disabled at this time.

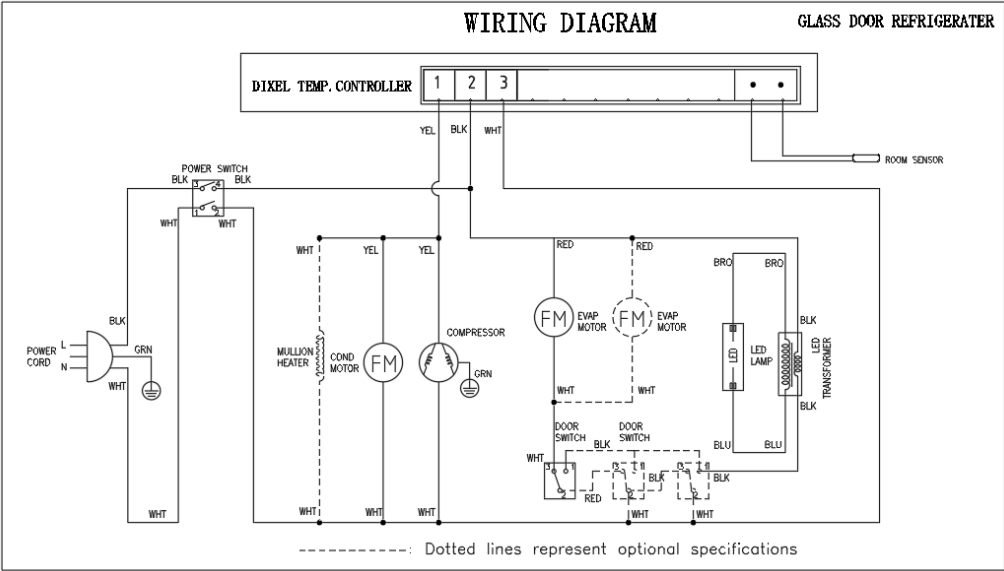
6) One-click production test function

Under the measurement and control state, when the compressor is powered on for the first time, the compressor's first power-on delay C3 is non-0, and the compressor's first power-on compressor power-on delay C3 is not running, press and release, the compressor's first power-on delay is reduced to 0, and the compressor starts immediately when the compressor starting conditions are met.

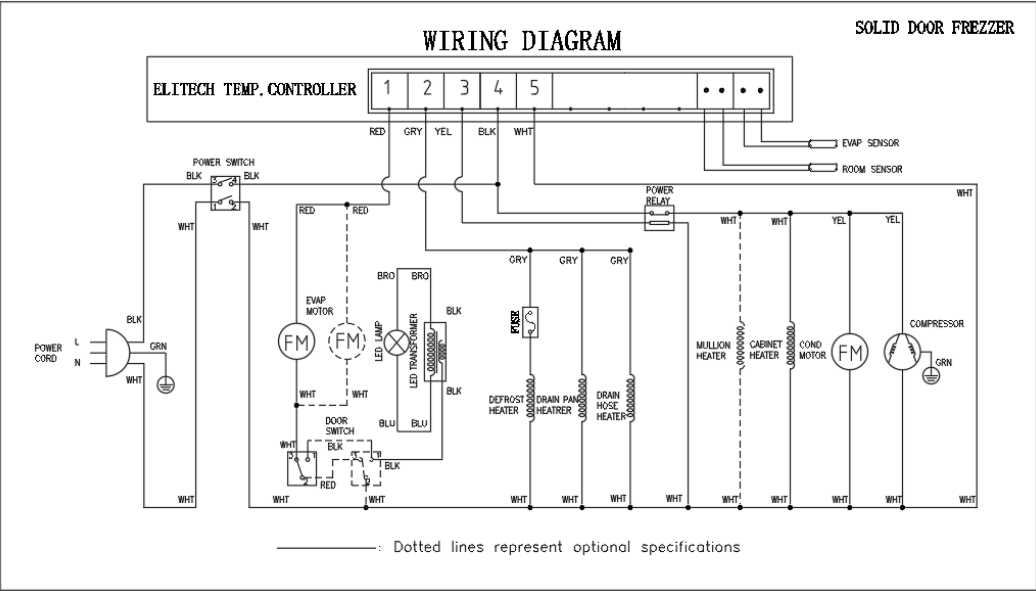
Note: This function is only valid until the end of the compressor's first start-up delay C3 operation, and only once.

WIRING DIAGRAMS

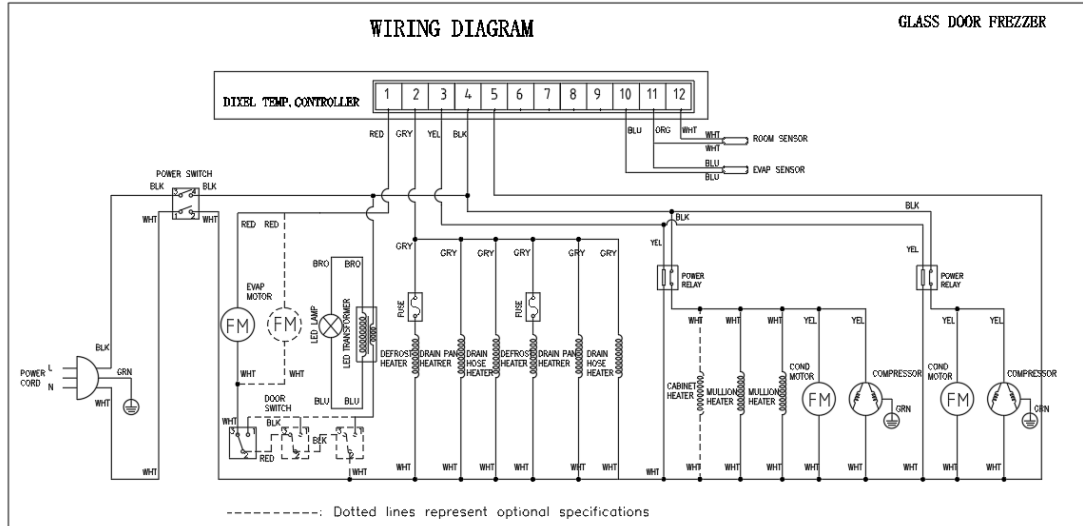
MODEL: ARST27BR, ARST54BR, ARST81BR



MODEL: ARST27BF, ARST54BF

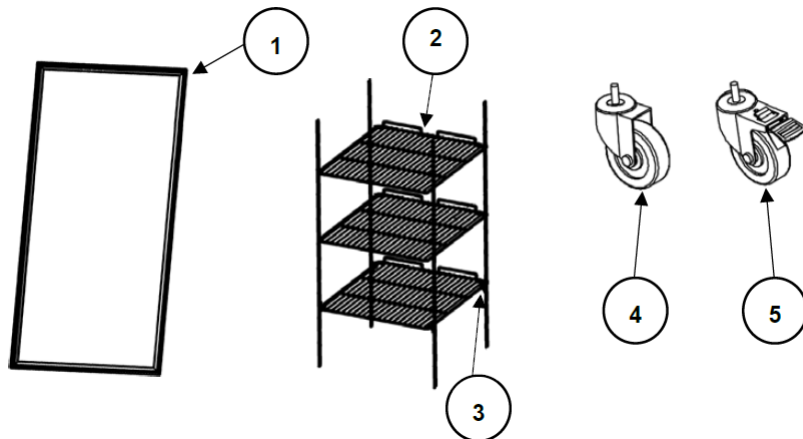


MODEL: ARST81BF



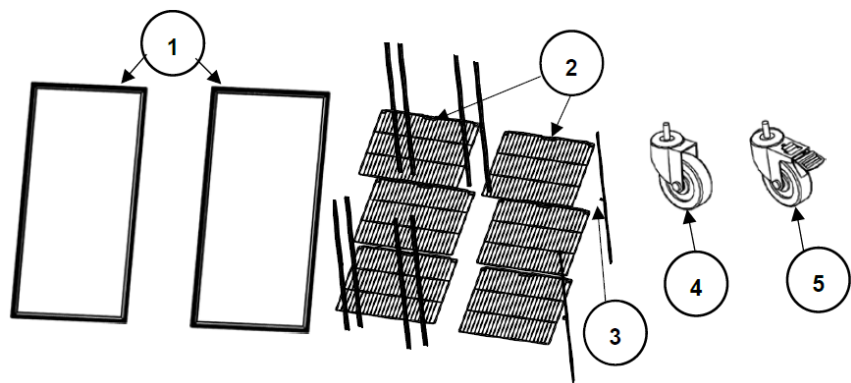
PARTS LIST

MODEL: ARST27BR, ARST27BF



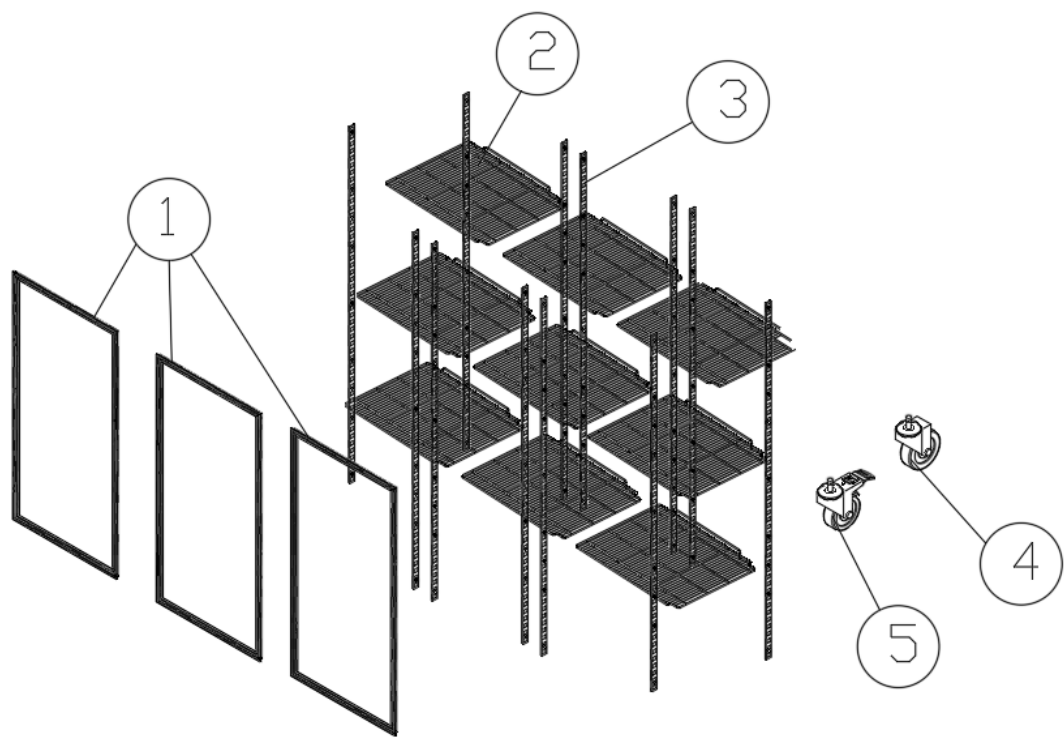
Item	Part Number	Descriptions	Qty/Unit
1	XKA-2-004-0002-0	Gasket	1
2	XKA-2-012-0029-0	Shelf	3
3	XKA-2-009-0957-0	Shelf clip	12
4	XKA-2-017-0002-0	Caster	2
5	XKA-2-017-0001-0	Caster with brake	2

MODEL: ARST54BR, ARST54BF



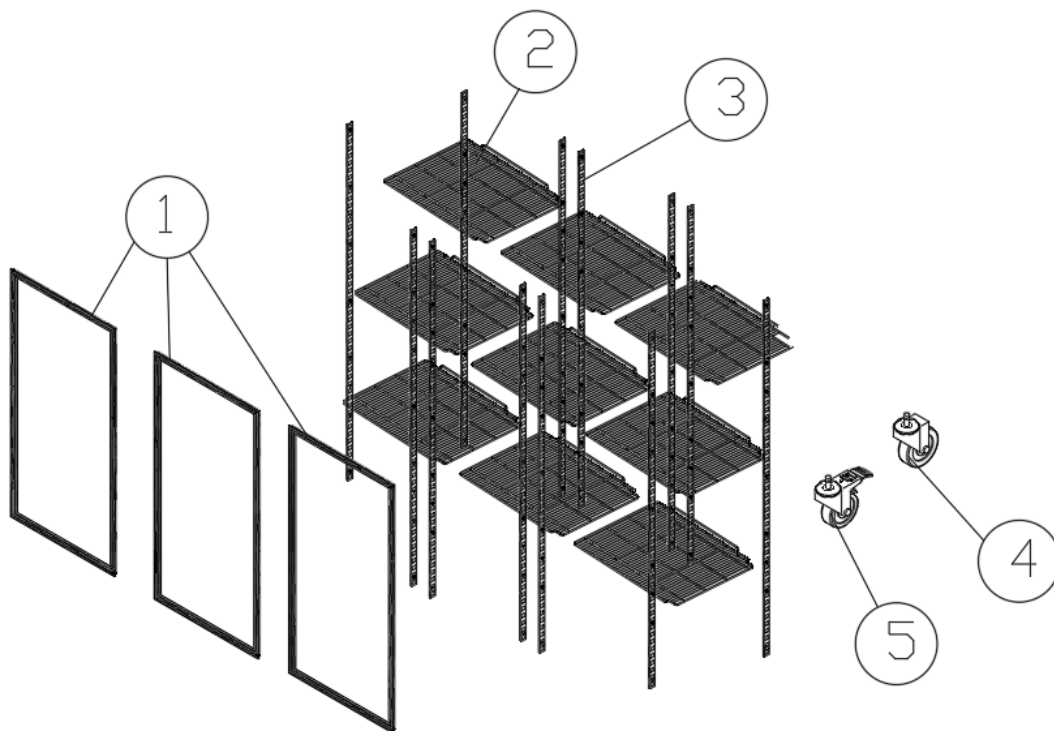
Item	Part Number	Descriptions	Qty/Unit
1	XKA-2-004-0002-0	Gasket	1
2	XKA-2-012-0030-0	Shelf left	3
2	XKA-2-012-0031-0	Shelf right	3
3	XKA-2-009-0957-0	Shelf clip	24
4	XKA-2-017-0002-0	Caster	2
5	XKA-2-017-0001-0	Caster with brake	2

MODEL: ARST81BR



Item	Part Number	Descriptions	Qty/Unit
1	XKA-2-011-0414-0	Gasket	3--
2	XKA-2-012-0022-0	Shelf left	3
2	XKA-2-012-0023-0	Shelf right	3
3	XKA-2-009-0124-0	Shelf mid	3
3	XKA-2-009-0957-0	Shelf clip	36
4	XKA-2-017-0002-0	Caster	3
5	XKA-2-017-0001-0	Caster with brake	3

MODEL:ARST81BF



Item	Part Number	Descriptions	Qty/Unit
1	XKA-2-011-0414-0	Gasket	3--
2	XKA-2-012-0102-0	Shelf left	3
2	XKA-2-012-0103-0	Shelf right	3
3	XKA-2-009-0101-0	Shelf mid	3
3	XKA-2-009-0957-0	Shelf clip	36
4	XKA-2-017-0002-0	Caster	3
5	XKA-2-017-0001-0	Caster with brake	3

Environmental Protection



Discarded electric appliances are recyclable and should not be discarded in domestic waste! Please actively support us in conserving resources and protecting the environment by returning this appliance to the collection center (if available).

WARRANTY



SIX MONTH WARRANTY

Argus warrants to the original purchaser of this unit, the unit cabinet and all parts thereof, to be free from defects in material and workmanship, under normal conditions of use and maintenance, for a period of six (6) months from the date of original purchase.

Any parts covered by this warranty that are examined and determined to have been defective within six (6) months of original purchase shall be repaired or replaced as stated below. Argus shall be deemed to have fully complied with its obligation under the foregoing warranties by electing either one of the following procedures:

1. Furnishing necessary replacement parts, freight collect, in even exchange for the returned part, freight collect.
2. Receiving the defective part, freight collect; repairing it; and returning it, freight collect. Valid only in the contiguous United States.

ADDITIONAL FIVE YEAR COMPRESSOR PART WARRANTY

In addition to the six (6) month warranty stated above, Argus warrants that the hermetically and semi-hermetically sealed compressor parts to be free from defects in both material and workmanship under normal use and maintenance for a period of five (5) years from the date of original purchase. Valid only in the contiguous United States.

Compressors determined to have been defective within this extended time period will be either repaired or replaced with a compressor or compressor parts of similar design and capacity.

The five (5) year compressor warranty applies only to hermetically and semi-hermetically sealed parts of the compressor and does not apply to any other parts or components, including, but not limited to, cabinet, paint finish, temperature control, refrigerant, metering device, driers, motor starting equipment, fan assembly, any other electrical component, etc.

COVERAGE LIMITATIONS

WHAT IS NOT COVERED BY THIS WARRANTY

- Failure to install and/or use equipment within proper and intended operating conditions. This includes but is not limited to residential or outdoor applications.
- Issues related to improper installation. Issues related to the installation are the responsibility of the installer.
- Any adjustments necessitated by improper operating conditions.
- Failure to properly maintain the unit including all preventive maintenance and cleaning.
- Installation in non-commercial or residential applications. This product is a commercial brand intended to be installed in a commercial setting.
- Equipment sold or used outside of the contiguous United States, equipment purchased second-hand, equipment sold by an unauthorized reseller, and equipment expressly sold without warranty coverage.
- Equipment without a valid serial number and proof of purchase, or other way to verify coverage.
- Equipment that has not been used appropriately or was subject to misuse, neglect, abuse, accident, alteration, negligence, damage during transit, delivery or installation, fire, flood, or an act of God.
- Equipment that has been installed, altered, modified, or repaired by anyone other than an authorized service agency outside of preventative maintenance and cleaning.

Parts deemed to be normal wear and tear parts, including door gaskets and select plastic or rubber components. **EXCLUSIONS TO THE SIX (6) MONTH PARTS AND LABOR WARRANTY:**

This warranty is only valid for straight time labor rates, and does not cover overtime, holiday or off-hour and weekend rates. We reserve the right to deny coverage after a service technician is on site based on the above exclusions. Not responsible for service charges incurred on non-warranty matters.

To Obtain Warranty Service, call 888-585-9440



OUTSIDE OF THE CONTIGUOUS UNITED STATES WARRANTY

Products sold in Alaska, Hawaii, other US territories outside of the Contiguous United States, and Canada shall be backed by replacement coverage on items that can ship via normal parcel shipping, excluding the cost of shipping and any applicable duties, taxes, and fees. Items that must ship LTL/common carrier will be provided replacement parts, excluding labor costs, or reimbursed in the form of store credit for the value of the item only, excluding all applicable shipping costs, duties, taxes, and fees, at the place of purchase following appropriate troubleshooting steps.

THE FOREGOING WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING BUT NOT LIMITED TO ANY REPRESENTATION OF PERFORMANCE AND ANY IMPLIED WARRANTIES OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO OTHER WARRANTIES ARE AUTHORIZED ON BEHALF OF ARGUS UNLESS SPECIFICALLY ISSUED BY ARGUS.

Argus shall have no liability for incidental or consequential losses, damages including, without limitation or expenses, loss of sale, spoiled food, profits, or goodwill claims whether or not on account of refrigeration failure or punitive or exemplary damages directly or indirectly arising from the sale, handling or use of the equipment or from any other cause relating thereto, whether arising in contract, tort, warranty, strict liability or otherwise. Argus's liability hereunder in any case is expressly limited, at Argus's election, to repair or replacement of, or crediting the user with, an amount equal to the purchase price of such goods.

To Obtain Warranty Service, call 888-585-9440

Revision Date 5/13/24