

# Outdoor/Commercial Refrigerator

## USER'S MANUAL

Model Number: RF20D-Door  
RF20W-Drawer

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**IMPORTANT: READ THIS USER'S MANUAL PRIOR TO CONNECTING POWER AND USE**



Before the refrigerator it used ,it must be  
PROPERLY POSITION, LEVEL  
and installed as described in this manual.  
READ THIS MANUAL CAREFULLY.



PRODUCT CERTIFIED UNDER UL471

Ningbo Yingqi Metal Products, ZheJiang, China

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### IMPORTANT SAFEGUIDES

To reduce the risk of fire, electrical shock or injury when using the refrigerator .

Follow basic precaution, including the following.

Remove all packages before using this unit



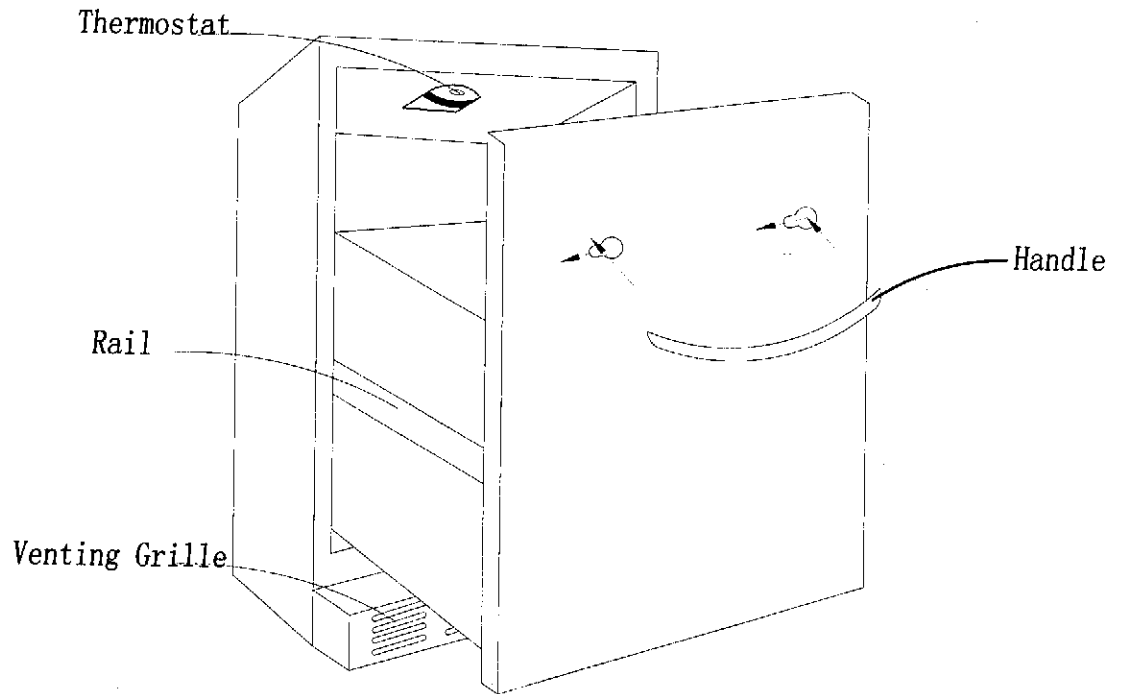
- Plug into a grounded 3-prong outlet , do not remove ground prong . do not use an adapter, and do not use an extension cord.
- It is recommended that a separate circuit , serving only your refrigerator be provided. Use receptacles that cannot be turned off by a switch or pull chain
- Never clean refrigerator parts with flammable fluids. These fluids can create a fire hazard or explosion. And do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance . The fumes can create fire and explosion
- Before proceeding with cleaning and maintenance operations, make sure the power line of the unit is disconnected.
- Do not connect or disconnect the electric plug when your hands are wet.
- Unplug the refrigerator or disconnect power before cleaning or servicing. Failure to do so can result in electrical shock or death.
- Do not attempt to repair or replace any part of your refrigerator unless it is specifically recommended in this manual . All other servicing should be referred to a qualified technician.



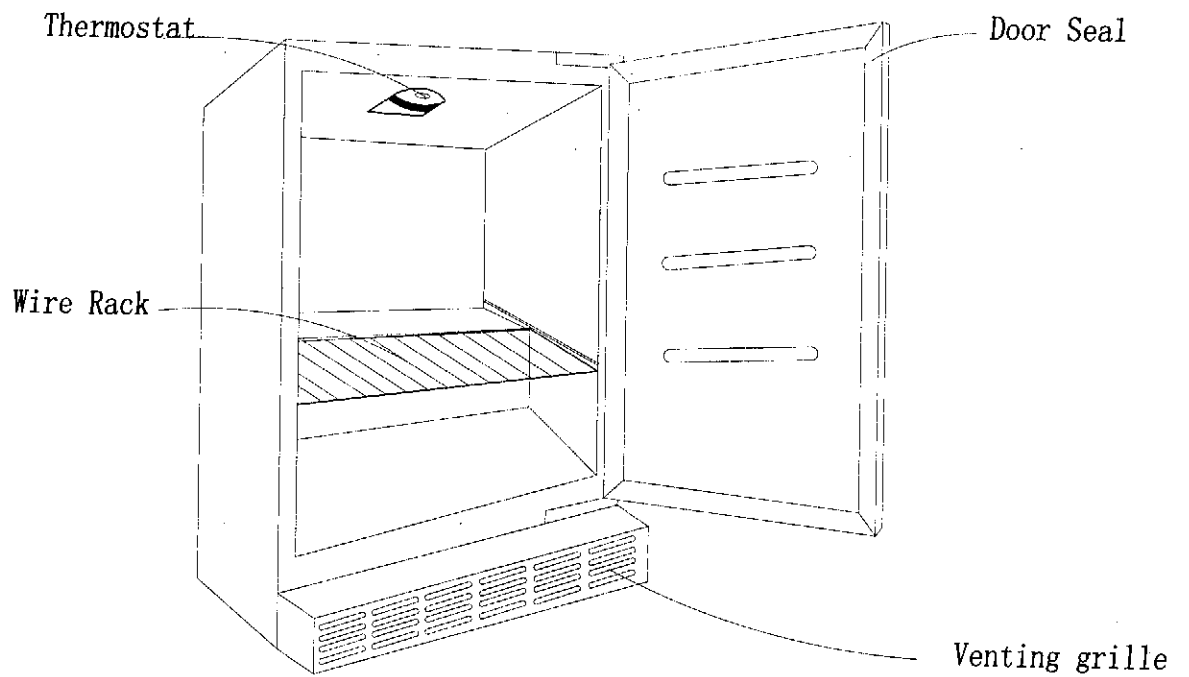
### FOLLOW WARNING CALL OUTS BELOW ONLY WHEN APPLIANCE TO YOUR MODEL

- Use two or more people to move and install refrigerator . Failure to do so can result in back and other injury.
- To ensure proper ventilation for your refrigerator , the front of the unit must be completely unobstructed. Choose a well ventilated area with temperature above 50°F(10°C) and below 105°F (40°C). This unit must be installed in an area protected from the element.
- The refrigerator should not be located next to other sources of high heat
- The refrigerator must be installed with all electrical connections in accordance with state and local codes. A standard electrical supply (115V AC only , 60Hz), properly grounded in accordance with the National Electrical Code and local codes and ordinances is required.
- Do not kink or pinch the power supply cord of refrigerator.
- The fuse (or circuit breaker) size should be 15 amperes.
- It is important for the refrigerator to be level in order to work properly. You may need to make several adjustments to level it .
- Never allow children to operate, play with and crawl inside the refrigerator.
- Do not use solvent-based cleaning agents or abrasives on the interior. These cleaners may damage or discolor the interior.
- Do not use this apparatus for other than its intended purpose.

# PART LIST



RF20W (Drawer Style)



RF20D (Door style)

# INSTALLATION INSTRUCTIONS

## ■ Before Using Your Unit

- Remove the exterior and interior packing.
- Check to be sure you have all the parts per packing list.
- Before connecting the unit to the power source, let it stand upright for approximately 2 hours. This will reduce the possibility of a malfunction in the cooling system from handling during transportation.
- Clean the interior surface with lukewarm water using a soft cloth.

## ■ Setting the Temperature Control

- Your unit has only one control for regulating the temperature in the compartment. The temperature control is located on the upper side of the compartment.
- The first time you turn the unit on, set the temperature control to "5".
- The range of the temperature control is from position "OFF" to "5". "1" is warmer and "5" is cooler. After 24 to 48 hours, adjust the temperature control to the setting that best suits your needs. The setting of "3" should be appropriate for normal use.
- To turn appliance off, turn the temperature control to "OFF".

## ■ Electrical Connection

- Turning the temperature control to "OFF" position stops the cooling cycle but does not shut off power to the unit.
- If the unit is unplugged, has not lost power, or is turned off, you must wait 3 to 5 minutes before restarting the unit. If you attempt to restart before this delay, the unit will not start.

## ■ Door Handle

- Installed by user

## ■ Food storage

- Use plastic wrap to keep food and place evenly on wire rack or drawer
- Keep hot food cool down before put into this refrigerator for energy saving.
- Don't open door or drawer frequently.
- Keep gap between foods inside refrigerator.
- Keep food dry before storage
- Fresh foods don't keep on the refrigerator long time, Unfresh foods don't keep on the refrigerator.

## ■ INSTALLING YOUR UNIT

- Remove food from refrigerator when power is out.
- Place your unit on a floor that is strong enough to support the unit when it is fully loaded. To level your unit, adjust the leveling legs at the bottom of the unit.
- Locate the unit away from direct sunlight and sources of heat (stove, heater, radiator, etc.) Direct sunlight may affect the acting coating and heat sources may increase electrical consumption. Extreme cold ambient temperatures may also cause the unit not to perform properly.
- Plug the unit into an exclusive, properly installed-grounded wall outlet. Do not under any circumstance cut or remove the third (ground) prong from the power cord. Any questions connecting power and/or grounding should be directed toward a certified electrician or an authorized Products service center.
- After plugging the appliance into a wall outlet, allow the unit to cool down for 2-3 hours before placing food in the refrigerator compartment.

# CARE AND MAINTENCE

## ■ OPERATING YOUR UNIT

- Your unit has only one control for regulating the temperature in the compartment. The temperature control is located on top of the compartment.
- The first time you turn the unit on, set the temperature control to "5"
- The range of the temperature control is from position "OFF" to "5". After 24 to 48 hours, adjust the temperature control to the setting that best suits your needs. The setting of "3" should be appropriate for home or office use.
- To turn appliance off, turn the temperature control to "OFF".

## ■ NOTE

- Turning the temperature control to "OFF" position stops the cooling cycle but does not shut off power to the unit.
- If the unit is unplugged, has not lost power, or is turned off, you must wait 3 to 5 minutes before restarting the unit. If you attempt to restart before this delay, the unit will not start.

## ■ CAUTION

- Failure to plug the unit could result in electrical shock or personal injury.

# NOTE

## ■ Power Failure

- Most power failure are corrected within a few hours and affect the temperature of your unit if you minimize the number of times the door is opened . If the power is going to be off for a longer period of time, you need to take the proper steps to protect your food.

## ■ Moving your unit

- Remove all the food.
- Securely tape down all loose items inside your unit .  
Turn the leveling legs up to the base to avoid damage
- Tape the door shut.
- Be sure the unit stays secure in the upright position during transportation . Also protect the outside of unit with a blanket , or similar item.

## ■ Vacation Time

- Short vacations: Leave the unit operating during the vacations of less than three weeks.
- Long vacations: If the appliance will not be used for several months , remove all food and unplug the door open slightly: blocking it open if necessary.

## ■ The safty distance

RF20W	back	$\geq 200\text{mm}$
	left	$\geq 100\text{mm}$
	right	$\geq 100\text{mm}$
	top	$\geq 100\text{mm}$
RF20D	back	$\geq 200\text{mm}$
	left	$\geq 100\text{mm}$
	right	$\geq 100\text{mm}$
	top	$\geq 100\text{mm}$

# TROUBLE SHOOTING GUIDE

You can solve many common unit problems easily, saving you the cost of possible service call. Try the suggestions below to see if you can solve the problem before calling the service.

PROBLEM	POSSIBLE CAUSE
Unit does not operate	Not plugged in. The circuit breaker tripped or a blown fuse. The unit temperature control is set at "OFF" position.
Turns on and off frequently	The ambient temperature is hotter than normal . A large amount of food has been added to the unit. The door is opened too often. The door is not closed completely. The temperature control is not set correctly. The door gasket does not seal properly.
Vibrations	Check to assure that the unit is level.
The unit seems to make too much noise.	The rattling noise may come from the flow of the refrigerator, which is normal As each cycle ends ,you may hear gurgling sounds caused by the flow of refrigerator in your unit. Contraction and expansion of the inside walls may cause popping and creating noises The unit is not level.
The door will not close properly	The unit is not level. The door was reversed and not properly installed . The gasket is dirty and bent. The shelves, bins, or baskets are out of position.

## Energy Saving Tips

- Let hot foods cool to room temperature before placing in the unit  
Overloading the unit forces the compressor to run longer.
- Be sure to wrap foods properly ,and wipe containers dry before placing them in the unit. This cuts down on frost build-up inside the unit.
- Unit storage bin should not be lined with aluminum foil, wax paper, or paper toweling. Liners interfere with cold air circulation ,making the unit less efficient.
- Organize and label food to reduce door openings and extended searches. Remove as many items as needed at one time, and close the door as soon as possible.

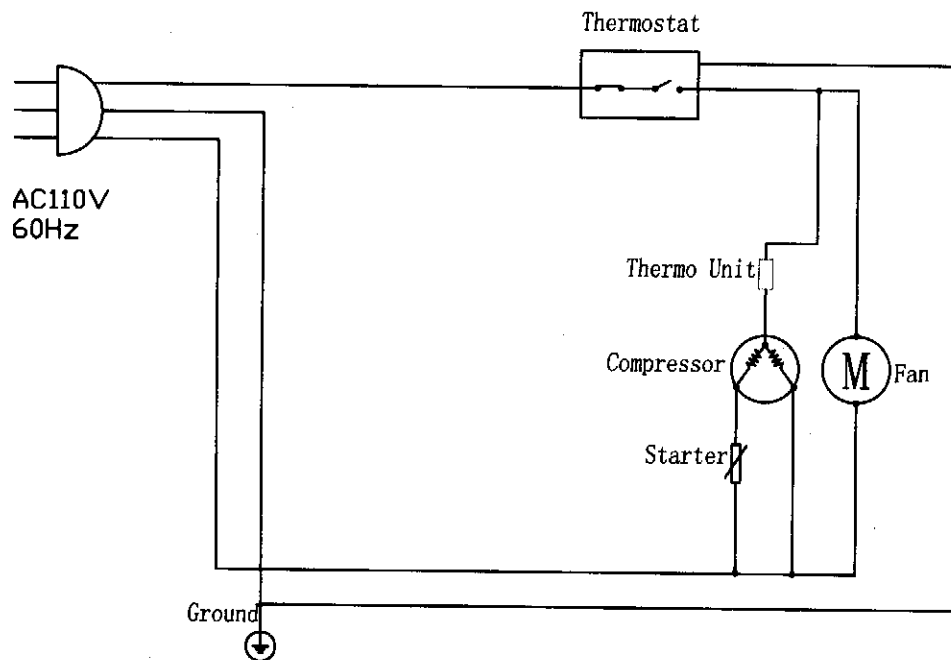


# Technical Date and Wiring Diagram

## ■ Technical

Item	Date	Model	RF20W	RF20D
Voltage	V		110~	110~
Frequency	HZ		60	60
Current	A		1.45	1.45
Input Wattage	W		80	80
Consumption	Kw. h/24h		0.80	0.75
Volume	cuft		2.1	2.1
Dimensions (W*D*H)	mm		520*508*520	520*508*520
Refrigerant			R134a	R134a
Refrigerant Charge	pounds		0.064	0.064
High Pressure	psig		218	218
Low Pressure	psig		88	88
Weight	KG		36.5	30.5
Insulation			pu	pu

## ■ Wiring Diagram(RF20W/D)



Note: This wire diagram is just for reference only. The wiring lable on back of refrigerator will be accurate.

# Packing List

NO.	Description	Quantity	
		RF20W	RF20D
1	Refrigerator	1	1
2	Wire Rack	—	1
3	Handle	1	—
4	User's Manual	1	1
5	Cerfication	1	1