OWNER'S MANUAL

TOP MOUNT REACH-IN SERIES

BOTTOM MOUNT REACH-IN SERIES

Please read the manual carefully and follow all instructions.
Failure to do so may void your warranty.

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1. PREFACE

Please read instruction before using this appliance

IMPORTANT SAFETY INSTRUCTION

⚠ To reduce the risk of fire, electric shock or injury to persons when using your product, basic safety precautions should be followed, including the following:

⚠ This appliance must be properly installed and located in accordance with the installation instructions before it is used.

⚠ Before the appliance is plugged in ensure that the rated voltage corresponds to the voltage of the electrical system in your facility. The power plug should have its own independent socket; using adapters may cause overheating or burning.

⚠ This appliance can be used by children aged from 8 years old and above and persons with reduced physical, sensory or mental capabilities or Lack of experience and knowledge if they have been given proper instruction concerning the use of the appliance in a safe way and understand the hazards involved.

⚠ Children should not play with the appliance.

⚠ Cleaning and user maintenance shall not be made by children without supervision.

⚠ If the supply cord is damaged it must be replaced by the manufacturer, service agent or qualified person to avoid a hazard.

⚠ Connect to properly grounded outlets only. Avoid the use of extension cords. Do not run the cord under carpeting, runners or the like. Arrange the cord away from traffic areas where it will not create a tripping hazard.

⚠ Always unplug the appliance when not in use and before cleaning, adjusting or maintaining this appliance. To disconnect, turn switch off and remove plug from power source.

- Do not disconnect by pulling on the cord. Always disconnect by grasping and pulling on the plug top.
- Do not pull out the cord or touch the power plug with wet hands. Clean water or dust from the power plug and insert it with the ends of the pings securely connected.
- Do not use outdoors.
- Do not splash water on the appliance. It may cause a malfunction or electric shock.
- Do not disassemble, repair or alter the appliance. It may cause fire or abnormal operations, which may lead to injury.
- After your appliance is in operation do not touch the cold surfaces, especially if in the freezer compartment. Skin may adhere to these extremely cold surfaces particularly when hands are damp or wet.
- Never place glass products in the freezer as they may be broken when their inner contents are frozen.
- The refrigerant and insulation blowing gas used in the appliance require special disposal procedures. When disposing, please consult with service agent or a similarly qualified person.
- Do not store explosive substances such aerosol cans with a flammable propellant in this appliance.

- WARNING: Keep clear of obstructing all ventilation openings in the appliance enclosure or in the built-in unit.
- WARNING: Do not use mechanical devices or other means to accelerate the defrost process, use only those recommended by the manufacturer.
- WARNING: Do not damage the refrigerant circuit.

▲ WARNING: Do not use electrical appliances inside the compartments of the appliance unless recommended by the manufacturer.

WARNING: Risk of fire/ Flammable materials

CAUTION: Risk of fire and explosion with flammable refrigerant R290.

▲ Maximum load of shelf is 388lbs.

This instruction manual provides all the necessary information regarding:

▲ Use of the appliance

▲ Technical specifications

▲ Installation and handling

▲ Operator procedures and instructions

▲ Maintenance operation

This manual is to be considered an integral part of the appliance and should be stored in a safe place for further consulting to permit a good working life of the unit.

The appliance is intended for commercial use only.

▲ Components parts shall be replaced with like components and service shall be done by authorized service personnel.

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ATTENTION

The manufacturer cannot be held liable in the following cases:

- Improper installation and servicing
- Misuse of the appliance
- Improper or inadequate maintenance
- Unauthorized modification or tampering
- Use of non-original spare parts
- Partial or total failure to comply with the instructions

2. USE OF THE EQUIPMENT

This appliance is for preserving fresh perishable food products and contains a built-in refrigerated unit.

The operating temperature for a refrigerator is:

- Between 33 degrees Fahrenheit and 45 degrees Fahrenheit with room temperature of 109 degrees Fahrenheit and 60% RD.

The operating temperature for a freezer is:

- Between -8 degree Fahrenheit and -1 degree Fahrenheit at room temperature of 109 degrees Fahrenheit and 60%RD.

3. TECHNICAL FEATURES

This appliance is a ventilated system; the evaporator is in a separate insulated box. All the materials used in the manufacturing of this unit are guaranteed to be suitable for use with food products. The refrigerating circuit is in compliance with the current normative.
THE GASES USED IN THIS APPLIANCE ARE R290 WITH THE EXCEPTION OF 3 DOOR FREEZERS.

4. OPERATION

The gas in the refrigerating circuit is first compressed, liquefied and then evaporated in the ventilated evaporator.
This cycle involves the absorption of heat from the air in the cavity and then is cooled. The heat produced is then dissipated to the outside environment by a condensing unit.

5. CONTROL UNIT

This appliance is controlled from a digital control unit and a main switch pilot. The main switch pilot light is for turning on the power supply. The green pilot light comes on to indicate that the unit is connected to the main source of electricity and working. The green pilot light comes off to indicate that the unit is disconnected and not working. The digital control unit is for the regulator. Please consult all parameters in the attachment manuals of the digital controller.

6. HANDLING

This applieance arrives in PET film and packed in cardboard box on a wood pallet.

ATTENTION

This appliance must be transported and handled with care to avoid posing a hazard to persons or property. Never place an appliance with a built-in refrigerated unit on its side or turn it upside down as it may damage or impair operation of the appliance. Alcom Distributing cannot be held liable for any damages or defects resulting directly or indirectly from improper handling of the equipment or non-compliance with the safeguards mentioned.

7. INSTALLATION PROCEDURE

-Place this appliance in the cool and well ventilated area. Do not install this appliance close to a heat sournce and do not expose to direct sunlight.

-Remove the straps securing the cardboard packing. Remove the cardboard. Remove the PET protective film.

-Clean the appliance with mild detergent and then dry it with a soft cloth.

Do not use an abrasive cleaner or scour pad!

INSTALLATION and SET UP

UNIT MUST RUN FOR 24 HOURS BEFORE USING

-This appliance is wrapped in absorbent material inside a cardboard box and strapped on a wood pallet. Remove all straps and packaging including the PET protective film. If damage is noted, file a claim right away.

-Install the applieance on a level surface. If the surface is not level, the legs can be adjusted.

-Make sure that the appliance is not placed in direct sunlight or by a heat source.

-There should be a 2" clearance from the wall and appliance so that there is proper air circulation for the condensing unit.

8. CONNECTING TO THE MAIN POWER SUPPLY

ATTENTION

This operation must be carried out by professional personnel.

This appliance is supplied complete with a power cord for connection to the main power supply.
A thermomagnetic circuit breaker (not supplied) must be installed between the main power point and the power cord of the appliance.

Before proceeding make sure that:

-The main voltage corresponds to the voltage on this appliance, 115V/60Hz/1Ph. To ensure proper operation it is essential for the power supply voltage to come within a range of +/-10% of the unit's rated voltage.

-The electronic system of this appliance is sized to cater to the rated electric output of the appliance being installed.

-The electronic system to which this appliance is connected to is made in compliance with the current standard requirements.

-The electrical connections and installation of the thermomagnetic circuit breaker must be done by a professional technician.

-Before plugging in, make sure that the main power source is grounded properly and matches the voltage rating of that of the appliance (found on the rating label).

-Do not in any way remove the ground prong.

-Always make sure that the power cord is in good condition, is not frayed and does not show abrasion.

-Do not use an extension cords or adapter plugs and only plug in one appliance per circuit.

-When plugging and unplugging do so by gripping onto the plug.

-Plug in the appliance and adjust the thermostat to your desired temperature.

Connecting steps:

-Install a thermomagnetic circuit breaker suited to the rated output of the appliance being installed.

-Connect the appliance to the thermomagnetic circuit breaker outlet.

-Check that the appliance is in order as demonstrated by the pilot light incorporated in the main switch coming on.

9. MAINTENANCE INSTRUCTIONS

Regular cleaning of this appliance is strongly recommended.

-Before cleaning, power off and unplug the appliance.

-Clean the exterior and interior with a mild detergent and soft cloth. Do not use abrasive detergents and scour pads!

Cleaning the Condenser

The condenser should be thoroughly cleaned just as regularly, DO NOT WAIT UNTIL THE FAN IS DIRTY. The condenser can be cleaned with a dry brush or a vacuum cleaner.

10.TROUBLESHOOTING

Unnecessary service will be billed to the customer. Please make sure to go over this troubleshooting guide before calling for service.

Power supply failure

- Check that the plug is plugged in correctly
- Make sure that the switch is on
- Check the main power source

Required temperature is not achieved

- Check that the thermostat range is correctly regulated
- Check that the condenser is not blocked with dust. Improper air flow will not allow the appliance to function at its optimal level
- Do not be over-stuff or load with hot food
- Make sure that the appliance is not close to a heat source

Cabinet is leaking water

- The drip tray may be missing or damaged

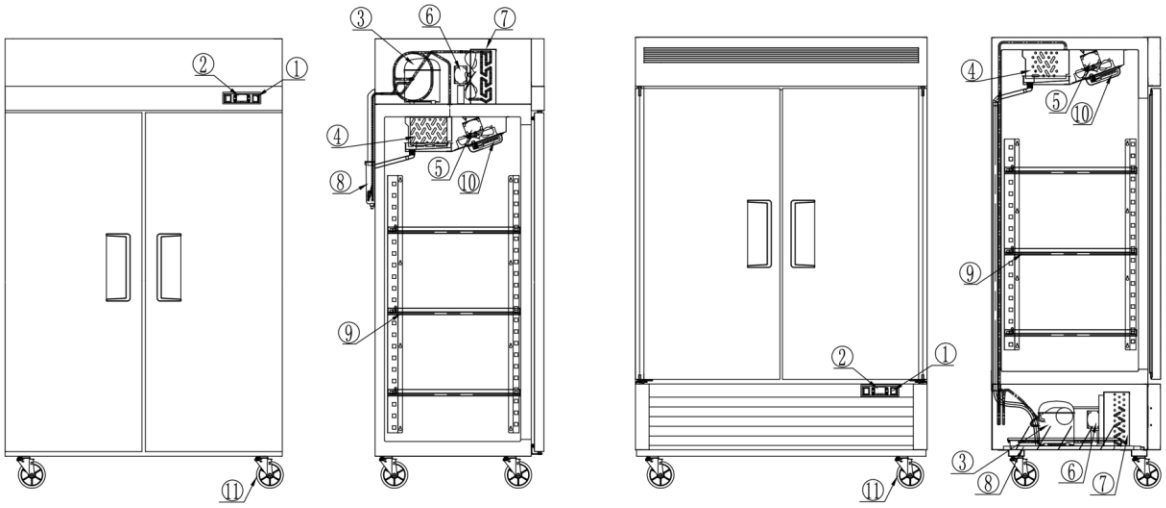
- Make sure the pipes are not obstructed
- The appliance may not be level

Cabinet is noisy

- The appliance may not be level
- The frame may have loose screws or bolts

If problems persist after the previous troubleshooting guide, please contact the Alcom Distributing Service Department and have your model number, serial number and date of purchase ready. You may also be asked to provide a proof of purchase.

11. MAIN COMPONENTS



1. Power switch
2. Digital Control
3. Compressor
4. Evaporator
5. Evaporator fan motor
6. Condenser fan motor
7. Condenser
8. Drain pan
9. Shelf
10. Lamp
11. Caster

12. OPERATING INSTRUCTIONS

After connecting the power supply, press the POWER switch on the keyboard (Green Indicator Light ON). The digital control automatically adjusts the temperature ranges if the temperature increases and reaches the set point plus differential. The compressor starts and stops when the temperature reaches the set point value.

DIGITAL CONTROL


(Mod. XR06CX)

SET To display target set point. In programming mode, SET selects a parameter or confirms an operation

To start a manual defrost

In programming mode, it browses the parameter codes or increases the displayed value

AUX In programming mode, it browses the parameter codes or decreases the displayed value

+ To lock or unlock the keyboard

SET + To enter in programming mode

SET + To return to room temperature display

LED	MODE	SIGNAL
	On	Compressor enabled
	Flashing	Anti short cycle delay enabled (AC)
	On	Defrost in progress
	Flashing	Dripping in progress
	On	Fans output enabled
	Flashing	Fans delay after defrost
°C	On	Measurement unit
	Flashing	Programming mode
°F	On	Measurement unit
	Flashing	Programming mode

1. How to View the Set Point

Push and immediately release the SET key, the set point will appear.

Push and immediately release the SET key or wait 5 seconds to return to previous screen .

2. How to Change the Setpoint

Push the SET key for 2 seconds to change the Set point value.
The value of the set point will be displayed and the ℃ or ℉ LED starts blinking. To change the Set value push the ∧ or ∨AUX arrows.
To set the new point value, push the SET key again or wait 10 seconds.

3. How to Start a Manual Defrost

Push the DEF key for 2 seconds and a manual defrost will start.

4. How to Change a Parameter Value

Enter the Programming mode by pressing the SET+∨ key for 3 seconds (℃ or ℉ LED starts blinking).

Select the required parameter. Press the SET key to display its value.

Use ∧ or ∨AUX to change its value.

Press SET to store the new value and move to the following parameter.

To exit, press SET+∧ or wait 15 seconds without pressing a key.

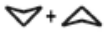
NOTE: the set value is stored even when the procedure is exited by waiting for the time-out to expire.

5. To Lock Keyboard

Press the ∨+∧ keys for 3 seconds.

The OFF message will be displayed and the keyboard will lock.

6. To Unlock the Keyboard

Press the  keys until the ON message is displayed.

7. Alarms

Mess.	Cause	Output
P1	Room probe failure	Compressor output according to “Cy” e
P2	Evaporator probe failure	Defrost end is timed
HA	Maximum temperature	Outputs unchanged
LA	Minimum temperature	Outputs unchanged
EA	External alarm	Outputs unchanged
CA	Serious external alarm	All outputs OFF
DA	Door Open	Compressor and fans restarts

13. PROPER DISPOSAL

Proper disposal is the responsibility of the owner and these instructions should be followed to prevent injuries and child entrapment:

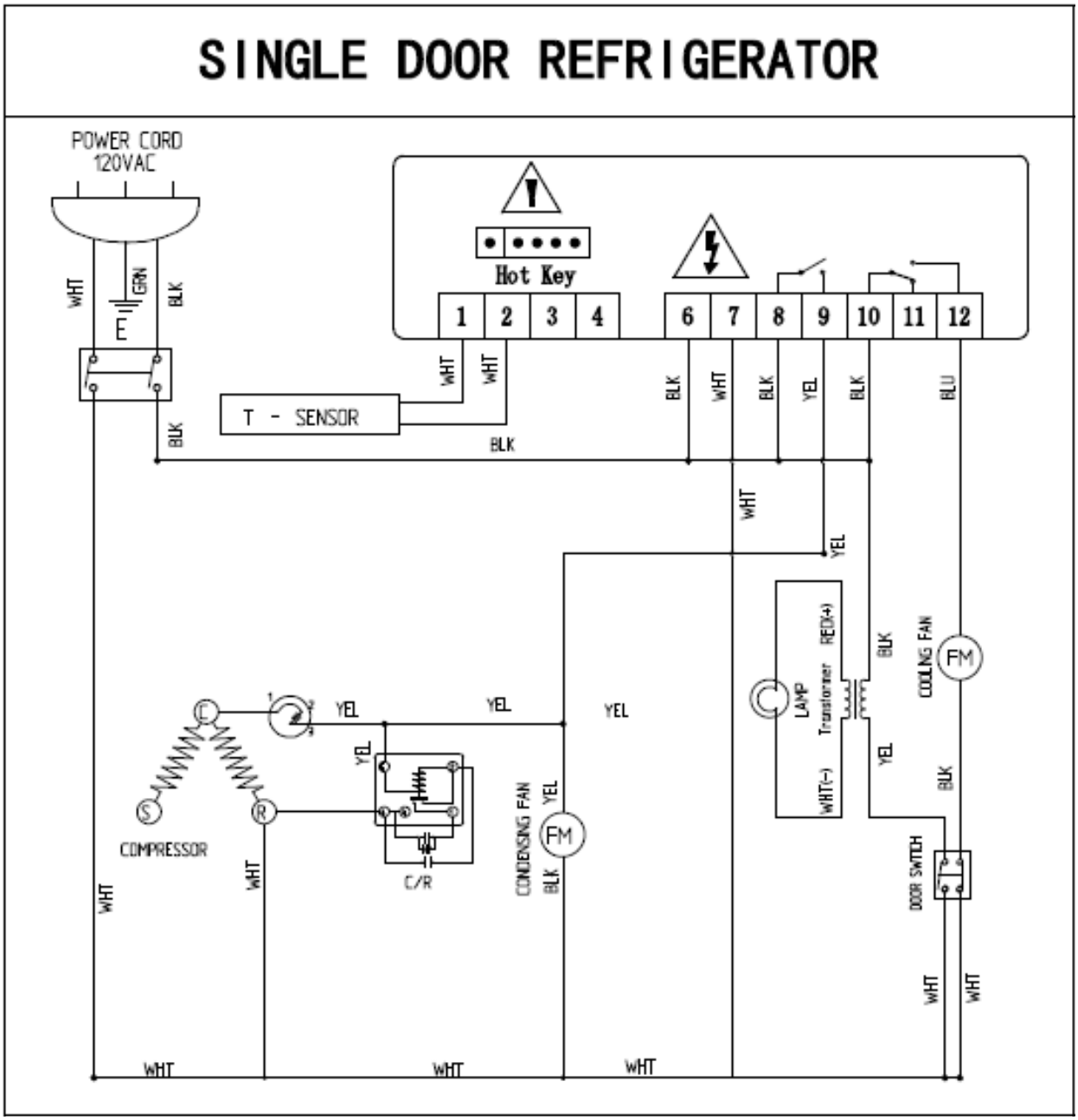
-Remove all doors and shelves so that a child cannot get trapped inside

-Follow the guidelines of the city disposal program

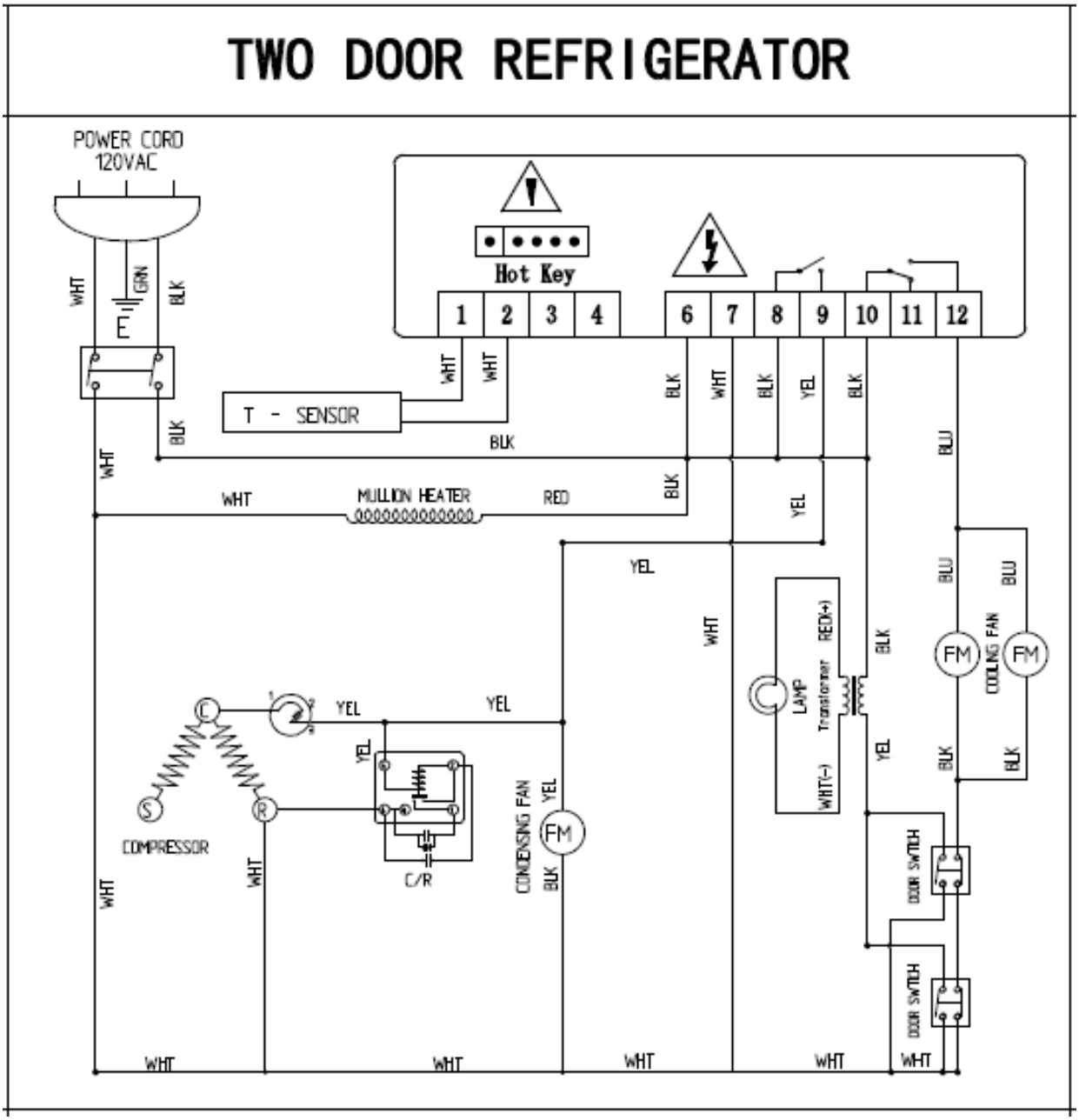
-The refrigerant will need to be removed by a qualified service technician

14. CIRCUIT DIAGRAMS

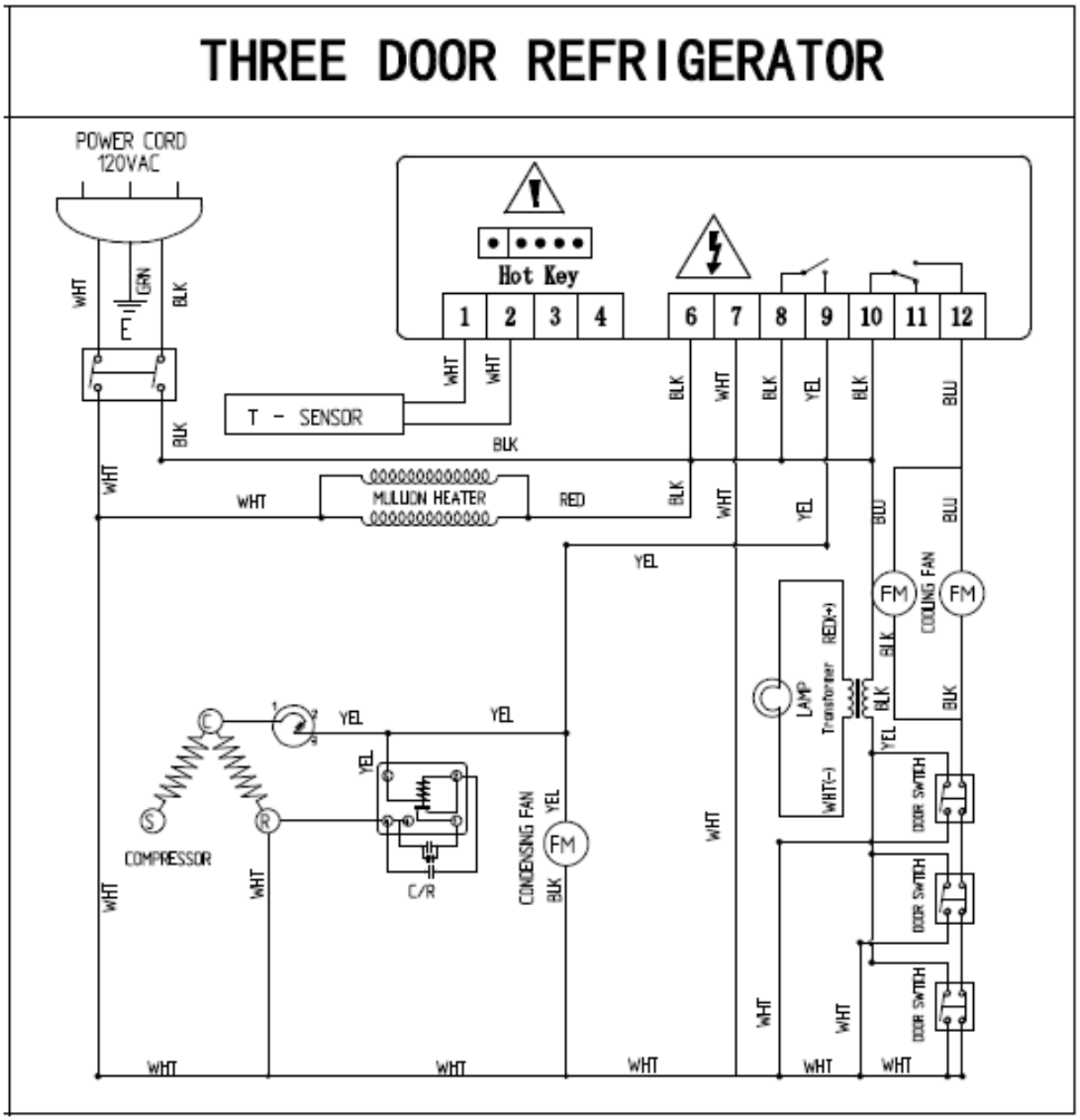
REFRIGERATOR/COOLER DIAGRAMS



REFRIGERATOR/COOLER DIAGRAMS

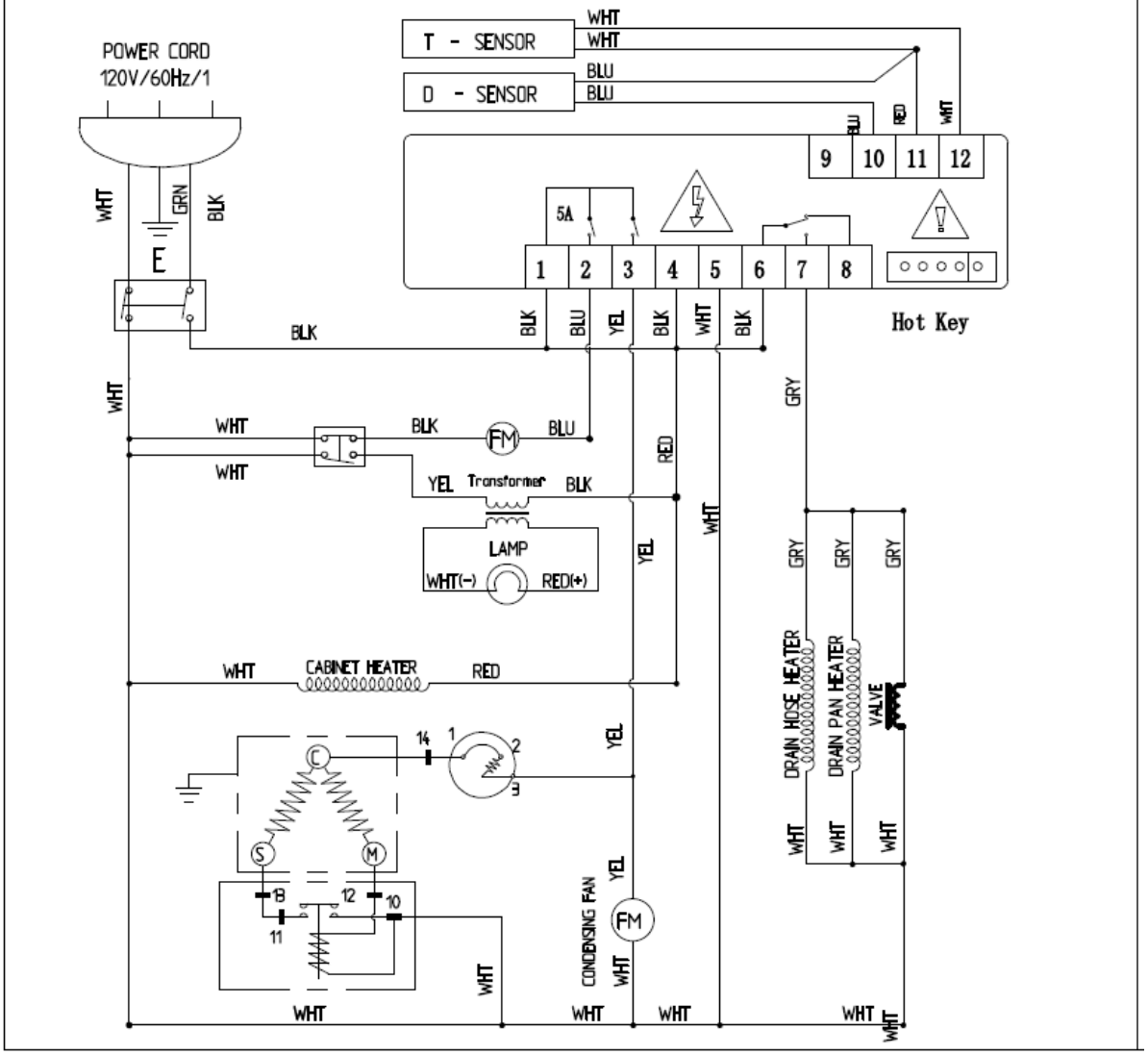


REFRIGERATOR/COOLER DIAGRAMS



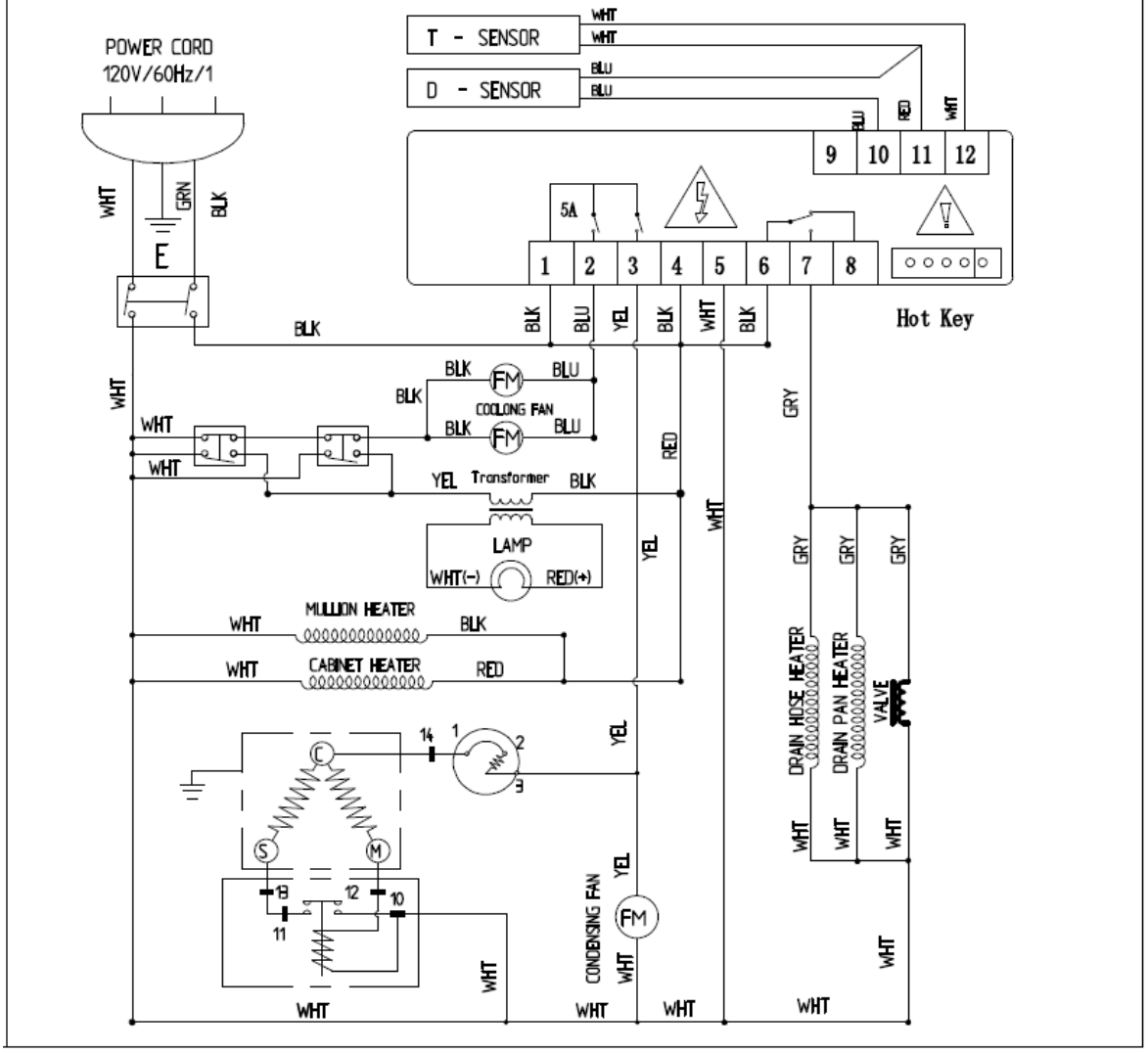
FREEZER DIAGRAMS

Single door Freezer

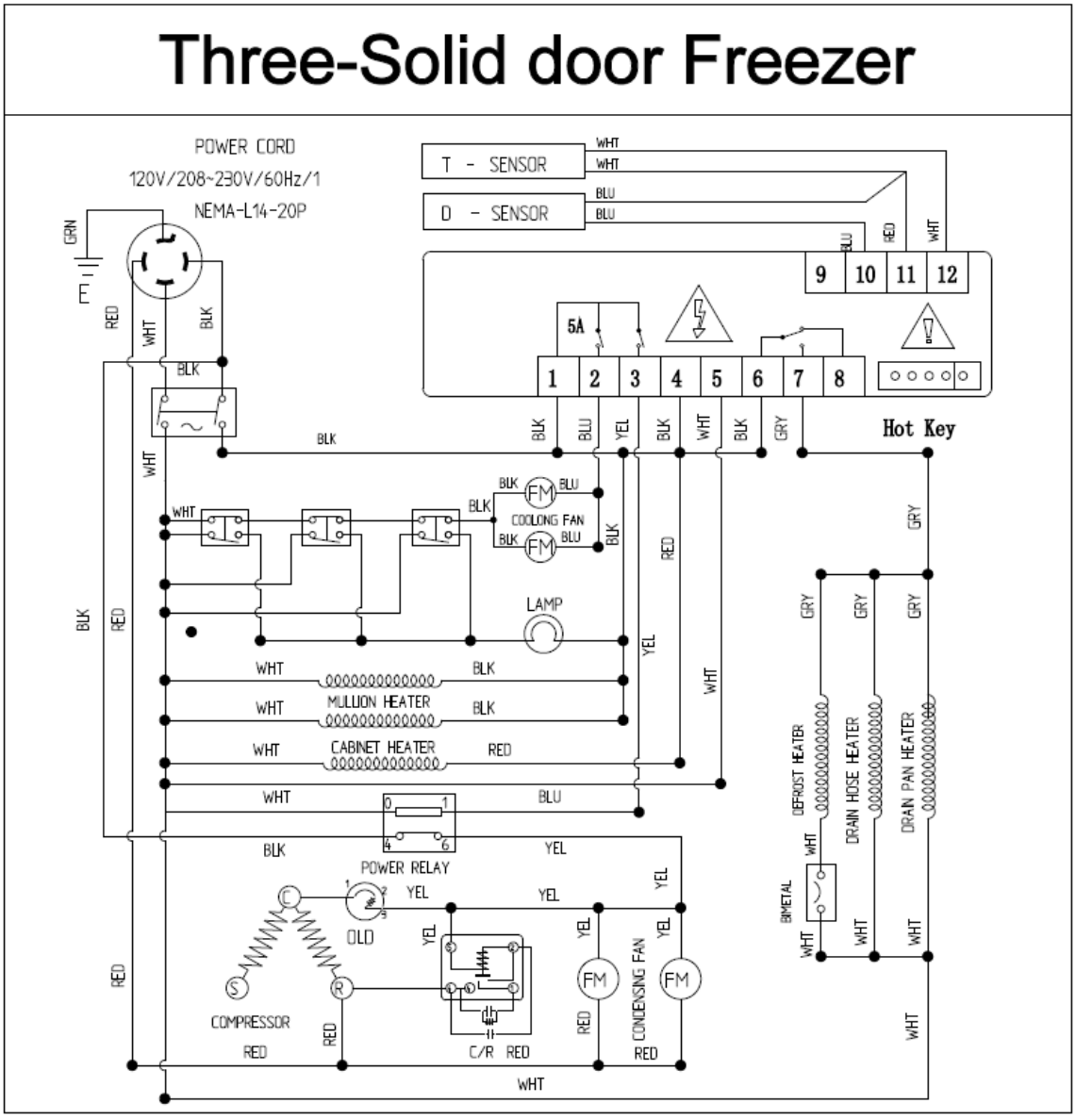


FREEZER DIAGRAMS

Two door Freezer



THREE DOOR FREEZER ONLY



15.TECHNICAL PARAMETER

TOP MOUNT SERIES REACH-INS

Product Name	Model code	Power source (V)	Rating frequency(Hz)	Input power (w)	Rated current(A)	Temperature range (°F)	Refrigerant	Refrigerant Amount(oz)	Dimension (in)	Volume (cu.ft)
Single-door freezer	ATF1	115	60	610	6.3	-8 to -1	R290	4.2	28.7×33.3×81.3	21.4
Two-door freezer	ATF2	115	60	935	8.6	-8 to -1	R290	5.3	51.7×33.3×81.3	43.16
Three-door freezer	ATF3	120/208-230	60	1200	5.5	-8 to -1	R404a	25.4	77.8×33.3×81.3	64.88
Single-door refrigerator	ATR1	115	60	250	2.1	+33 to +45	R290	3.9	28.7×33.3×81.3	21.4
Two-door refrigerator	ATR2	115	60	370	3.2	+33 to +45	R290	4.9	51.7×33.3×81.3	43.16
Three-door refrigerator	ATR3	115	60	470	4.2	+33 to +45	R290	5.3	77.8×33.3×81.3	64.88

BOTTOM MOUNT SERIES REACH-INS

Product Name	Model code	Power source (V)	Rating frequency(Hz)	Input power (w)	Rated current(A)	Temperature range (°F)	Refrigerant	Refrigeration Amount(oz)	Dimension (in)	Volume (cu.ft)
Single-door freezer	ABF1	115	60	610	6.3	-8 to -1	R290	4.2	27×31.5×84	19.1
Two-door freezer	ABF2	115	60	935	8.6	-8 to -1	R290	5.3	54.5×31.5×84	44.77
Three-door freezer	ABF3	120/208-230	60	1200	5.5	-8 to -1	R404a	25.4	81.85×31.5×84	67.99
Single-door refrigerator	ABR1	115	60	250	2.1	+33 to +45	R290	3.9	27×31.5×84	19.1
Two-door refrigerator	ABR2	115	60	370	3.2	+33 to +45	R290	4.9	54.5×31.5×84	44.77
Three-door refrigerator	ABR3	115	60	470	4.2	+33 to +45	R290	5.3	81.85×31.5×84	67.99

16. LISTINGS

OFFICIAL APPROVAL AND RULES

CONFORMS TO UL STD.471

CERTIFIED TO CSA STD. C22.2 NO. 120

CONFORMS TO NSF/ANSI STD. 7