In order to *provide* the best service. *A TOSA* requests that please ,eglater your n n a n t y onllne at www.atosauu.com

For any service lssues,please kindly contact us at Elllail:stJrVictl(/JatosaU$a.com

or

Toll Free:1•ISU5S-03II

Please clean the *ntter* frequently!

Please do not overload the un/tt

INSTRUCTION MANUAL

VERTICAL COOLER

T SERIES REACH-INS

B SERIES REACH-INS



TERMS AND CONDITIONS:

Refrl9eratlon

2 YEAR WARRANTY

All claims for part& or labor must be made dlrecl1y thniugh .Am&a.All dalms must lndude: model number of the unit, lha aerial number, proof of pun:haae, date of installation, and all pertinent infannation aupporting the aleged defect.In case of compl'8680r replacement under wananty, either coq>re&IOl' or compressor tag must be relumed to AlD8a along with above listad infonnation.FalluN to *comply* **With..,,.**pgJlides *IMll,wult lnvoldlnflcalma.*

Two YNl' Parts & Llbor W.IT'lllty

A1D&a wananta all new refrigerated components, 8UCh as the cabinet and all perts, to be fiee from defec.1a In materiela or workmanship. Atoea 's obligetion under thie wananty ill limited to a period Clftwo (2) y . , . frcm the date of ollglnal lMtallatlon or 27 month, after shipment dale from Atoea, whichever OCC:Ul8flnit.All par18 COV9red under this warranty tllat are defac!IV& within two (2) yaal'l of ortgtnal 11'1111Blatlonor twenty 98V8n (27) months after shipment date from manufacCvrer, whichever occuni fll'lt, are llmlted to repair or replacement (lncluding labor c:hargn, of dafactive parts or uaambliaa). The labor warranty shall include standard slraight time labor chargea only and reuonable travel lime, as determined by AlD8a.

Addltlonal l h r H Y w compra11or warranty

In addition to the two (2) year wananty stated above, Atoaa wananta 111sealed compnin o r to be free frcm deracta in both malarial and workmanship under normal and proper uaa and mainlananc:e Hrvica for a period Clfthree (3) addltlonal years frcm the date of 011glnal lnstallatlon, but not to axceed five (5) y&1118,Compn,a018 that have baan detat'minad lD be daf8ctiva from Alol8 within this axtended period will be eithat repairad or replaced with a comp,usor or comp,a110r parts of similar design and capacity according to AtDsa 's dillcretian.The threa (3) year extended compra110r wananty appliaa only lD - l e d pm1Bof the c o m p , _ _ . and does not apply to any other parta or componenla. Thia lndudes, the cablnlll, paint finish, temperalllre conll'Ol, refrigerant, metering device, motor atarting equipment, fan anambly, and other elec:lrical mmponellUl, ale.

404A/ 1349 C o m i n n o r w a m m t y

The 11Ye-year compreuor Wllffilnty detalled aboYe will ba void lf the followlng procedure ls not carefully adhered lD:

1. This m contains R404A or R134a reft1gerant and lubrlcant. The lubricant 118&rapid moisture ab&Olllllng quelitiea.
2. Drier replacement 11vwy lmpar1Bnt and must be changacl when a system ls opened for NIYldng.
3. Mlclvn level vacuums must be achl8118d *to* lneure low moisture levels ln the m.
4. Compraaaor must be obtained through AlDlla, u n i - o t h - i a e &pacified in writing, through A1Dsa' a wananty depar1ment.

What Is Not Cov91'9d liy This 'Wainnty

AtDlla 'a 11111abligation under this WBffilnty is limitacl to either repair or raplacament of pa,lB, subject lD the additional limitationabelow. Thia wananty neither aa8Uffl811 nor authorizN any peqon lD uaume obligatiol'l8 alher tllan those expressly covered by ll'lllwarranty.

NO CONSEQUENTIAL DAMAGES: ATOSA lS NOT RESPONSIBLE FOR ECONOMIC LOSS; PROFIT LOSS; OR SPECIAL,INDIRECT, OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION, LOSSES, OR DAMAGES ARISING FROMFOOD OR PRODUCT SPOILAGE, REGARDLESS OF WHETHER OR NOT THEY RESULT FROM REFRIGERATION FAILURE.

WARRANTY 18 NOT TRANSFER.ULE: This warranty I I not aalgnable and appllea only ln favor of the orlglnal purctiuerfuser lowhom deli'V8flld. ANY SUCH ASSIGNMENT OR TRANSFER SHALL VOID THE WARRANNTIES HEREIN AND SHALL VOID ALLWARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANT.ABILJTY OR LABOR COVERAGE FORCOMPONENT FAILURE OR OTHER THE WARRANTY PACKET PROVIDED WITH THE UNIT.

AL1ERA110N, NEGLECT, ABUSE, MISUSE, ACCIDENT, DAMAGE DURING IRANSIT OR INSTALLATION, FIRE, FOOD.OR ACTSOF GOD:Atosa ls not reaponslble for the repair or replacement of any parts that are dalafminad lD haw bean subjacted aftatthe data of manufacture to altaratian, nsglact, abuse, miauee, accident, damQe during lranslt or lnstallatlon, fire, flood, or act of God.

IMPROPER ELECTRICAL CONNECTIONS: AtDlla lS NOT RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF FAILED OR DAMAGED COMPONENTS RESULTING FROM ELECTRICAL POWER FAILURE, THE USE OF EXTENSION CORDS, LOW VOLTAGE, OR VOLTAGE DROPS TO THE UNIT.

THE TWO (2) YEAR PARTS & LABOR WARRANTY AND THE ADDITIONAL THREE (a) YEAR COM· PRESIOR WARRANTY AREAS DESCRIBED ABOVE. THESE WARRANTIES .ARE EXCLUSNE AND IN U B I OF ALL OTHER WARRANTIES, INCLUDING IMPLIED WARRANTY AND MERCHANTABIUTY OR FITNESS FORA PARI'ICULAR PURPOSE. THERE ARE NO WARRANI1ES WHICH EX1END BEYOND THE DESCRIPTION ON THE FACE HEREOF.

Clutald• U.S. end Canada: Thie warranty doee not apply lD a r e u outuide the continent of the United States. At.caa ls not responslble for any warranty clalms made on products sold or used ln such areas.

***In HII'NI C U N, a 25% ....tocking f w may be charsed to• buyer for retumed ltem•-*AtGN may at any time modify our aqulpmant ln onl9r to provide 111d lnauN a superior product. Chana• I I sometlmn nece11a,y to kN P up with today'• high atandardl ln our lnduatsy. A t o n, ... , . . the llnal lnte,pnitatlon of all publlc mllllrlala.**



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1. Preface

This instruction manual provides all the necessary information regarding:

- A use of the refrigerator
- A technical specifications
- A installation and handling
- A operator procedures and instructions
- A maintenance operation

The manual is to be considered an integral part of the refrigerator and should be stored in a safe place for father consult to permit a good working life of the refrigerator.

&ATTENTION

The manufacturer cannot be held liable in the following cases=

- improper installation (not in accordance with the guidelines indicated herein)
- misuse of the refrigerator
- power supply defects
- improper or inadequate maintenance
- unauthorised modification or tampering
- use of non-original spare parts
- partial or total failure to comply with the instructions

All electrical equipment can be hazardous to health. Current standards and legal requirements must be complied with during the installation and use of any equipment.



2. Use of the equipment

The refrigerator are for preserving fresh perishable foodstuffs, with an in-built refrigerated unit.

The operating temperature for refrigeration is:

- between 33°F and 45°F at room temperature of 109°F an 60%RD.

The operating temperature for frozen food maintenance is:

- between-8°F and-1°F at room temperature of 109°F an 60% RD.

3. Technical features

The refrigerator is a ventilated system, the evaporator is in a separate insulated box on the top. All the materials used in the manufadure of this unit are guaranteed to be suitable for use with foodstuffs. The gases used in refrigerator is R134a; in the refrigerator for frozen food maintenance is R404a.

The refrigerating circuit are in compliance with the current normative.

4. Operation

The gas in the refrigerating circuit is in the first time compressed, liquefied and then evaporated in the ventilated evaporator, situated on the top of the container.

This cycle involves the absorption of heath from the air in the refrigerator compartment and the reason is cooled. The heat produced is then dissipated to the outside environment by a condenser unit located on the top of the refrigerator.



5. Control unit

The refrigerator is command from a "digital control unit" and a "main switch pilot light" in the top panel of the refrigerator.

The "main switch pilot lighr is for turning on the power supply.

The green pilot light comes on to indicate that the unit is connected to the main electricity and to start work.

The green pilot light comes off to indicate that the unit is disconnected and don' t work. The "digital control unir is for the regulation of all parameters to provide the correct working of the refrigerator. Please consult all parameters in the attachment manual of the "digital control unit".

This manual is part of the instruction manual and is very important in case of service.

8. Handllng

The refrigerator arrive in PET film and packed in cardboard box on a wood pallet.

® The refrigerator must be transported and handled w!'1 care to avoid posing a hazard to persons or property.



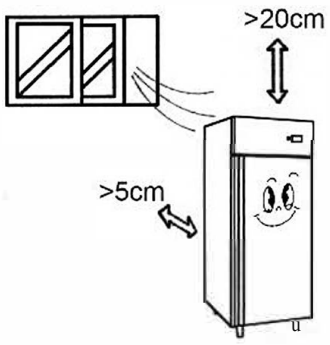
Never place a refrigerator with an in-built refrigerated unit on its side or turn it upside down as this may damage or impair operation of the refrigerated unit.

We can not held liable for any damage or defects arising directly or indirectly from improper handling of the equipment or non-compliance with the safeguards illustrated above.

a



7. Installatlon procedure



A. Place the refrigerator in the coolest and best ventilated part of the room. Don' t install the refrigerator in the near of heat and direct sunlight sources.

A. Remove the straps securing the cardboard packing

Remove the cardboard. Covering

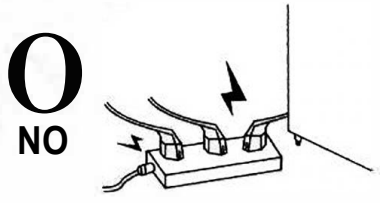
Remove the PET protection film



A. Clean the refrigerator with mild detergent and then dry it with a soft cloth.

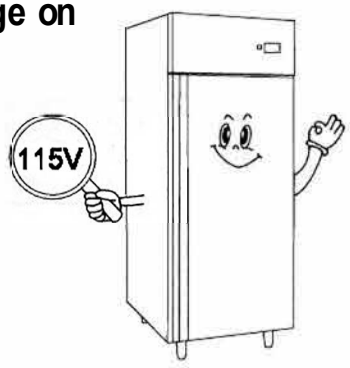
8. Connecting to the main power supply

(ff\ \Ji) This operation must be carried out by professionally and qualified persons.



The refrigerator are supplied complete with a power supply cable for the connection to the main power supply. A thermomagnetic circuit breaker (not supplied) must be installed between the mains power point and the power supply cable of the refrigerator.

Before proceeding make sure that=



A. the mains voltage corresponds to the voltage on the refrigerator 115V/60Hz/1 Ph; 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 electric system to which the refrigerator is sized to cater for the rated electric output of the buffet unit being installed
- the electronic system to which the refrigerator is connected is made in compliance with current standard requirements
- the electric connections and the installation of the thermomagnetic circuit breaker have been done by qualified person.

Connecting steps=

A Install a thermomagnetic circuit breaker suited to the rated output of the unit being installed

- Connect the refrigerator unit to the thermomagnetic circuit breaker outlet

A Check that the refrigerator is in order as demonstrated by the pilot light incorporated in the main switch coming on

9. Maintenance instructions

The smooth operation and life of the equipment are mainly determined by correct and regular maintenance

Cleaning=

Regular cleaning of the refrigerator unit is strongly recommended each month. Please follow the instructions below.

(]) Disconnect the refrigerator power supply cable from the mains prior to carrying out any type of cleaning operation.

Cleaning the refrigerator surface=

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

Do not use abrasive detergentsl



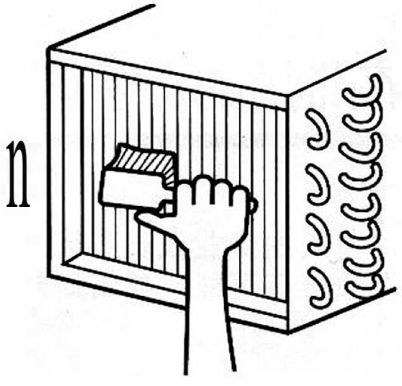


Cleaning the inside of the refrigerator:

Clean the inside area min. each month with a detergent suitable for use with foodstuffs.

Cleaning the condenser:

For an efficient operation of the refrigerator it is advisable to clean the condenser regularly approx. every 4 months with a dry brush or vacuum cleaner.



10. Troubleshooting

Refrigerator stops working (light off):

* Power supply failure

A. Remedies:

* Check that the plug is inserted properly in the socket
* Check that the switch on/off
* Check that the mains voltage powers the plug

Refrigerator temperature go up:

* Unit to near to a heat source
* Condenser dirty or close

A. Remedies:

* Move the counter or the heat source further away
* Clean the condenser

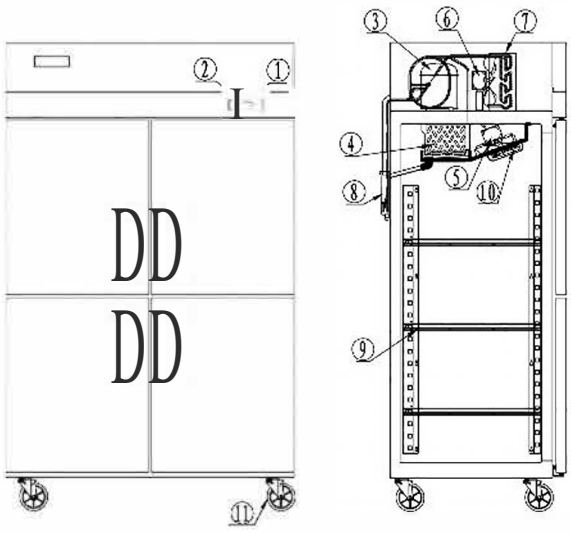
11. Technical service

For technical service please contact the dealer technical department and give him the serial n° and the date of buy.

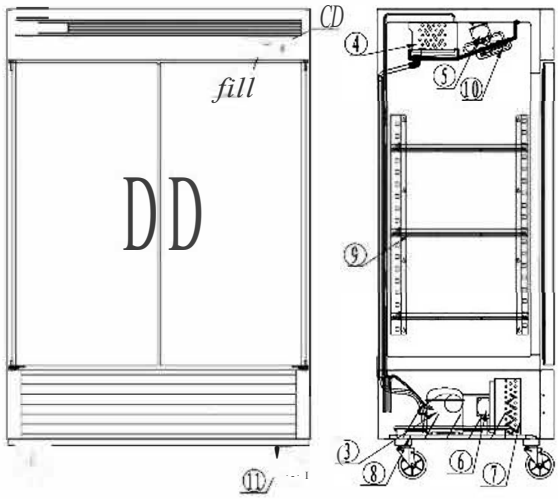


12. Configuration Sketch Map

T Seri- Reach-Ins



B Serisa Reach-Ins



1. Power switch
2. Microcomputer controller
3. Compressor
4. Evaporator
5. Evaporator fan motor
6. Condenser fan motor
7. Condenser
8. Drain case
9. Shelf
10. Lamp
11. CASTER

Operating Instruction



1. New upright air-cooling refrigerator should be opened and ventilate it before it is in use. After that, users should use warm water clean its inside.
2. After connecting the power supply, press the "POWER" switch on the controller keyboard (Green Indicator Light ON), the fridge will come to work. The microcomputer controller, installed in the controller keyboard, could automatically adjust the temperature ranges. This intelligent digital controller works as: if the temperature increases and reaches set point plus differential the compressor is started and then turned off when the temperature reaches the set point value again.



3. Microcomputer Controller Operation Instruction:
4. Microcomputer panel sketch map, meanings of running indicator light and LED showing.



(Mod. XR06CX)

5. SET To display target set point, in programming mode it selects a parameter or confirm an operation.

To start a manual defrosto

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

"'7 AUX In programming mode it browses the parameter codes or decreases the displayed value .

+A To lock or unlock the keyboard

SET+ To enter in programming mode

SET+ATo return to room temperature display.

LED	MODE	SIGNIFICATO
❄	On	Compressor enabled
	Flashing	Anti short cycle delay enabled (AC parameter)
❄	On	Defrost in pro(lress
	Flashing	Dripping in progress
✣	On	Fans output enabled
	FlashinQ	Fans delay after defrost
oc	On	Measurement unit
	Flashing	Programming mode
OF	On	Measurement unit
	Flashing	Programming mode

6. How to see the point .

Push and immediately release the SET key, the set point will be showed;
Push and immediately release the SET key or wait about 5s to return to normal visualisation.

7. How to change the setpoint .

Push the SET key for more than 2 seconds to change the Set point value;
The value of the set point will be displayed and the "°C" or "°F" LED starts blinking;
To change the Set value push the A or "'7Aux arrows.
To memorise the new set point value push the SET key again or wait 10s.

8. How to start a manual defrost .

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



9. How to change a parameter value

To change the parameter's value operate as follows:

Enter the Programming mode by pressing the SET + ▽ keys for 3s ("°C" or "°F' 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 15s without pressing a key.

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

10. To lock the keyboard.

Keep pressed for more than 3s the ▽+∧ keys.

The "OF" message will be displayed and the keyboard will be locked.

If a key is pressed more than 3s the "OF" message will be displayed.

11. To unlock the keyboard.

Keep pressed together for more than 3s the ▽+∧ keys till the "on" message will be displayed .

12. Alarm signalling .

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

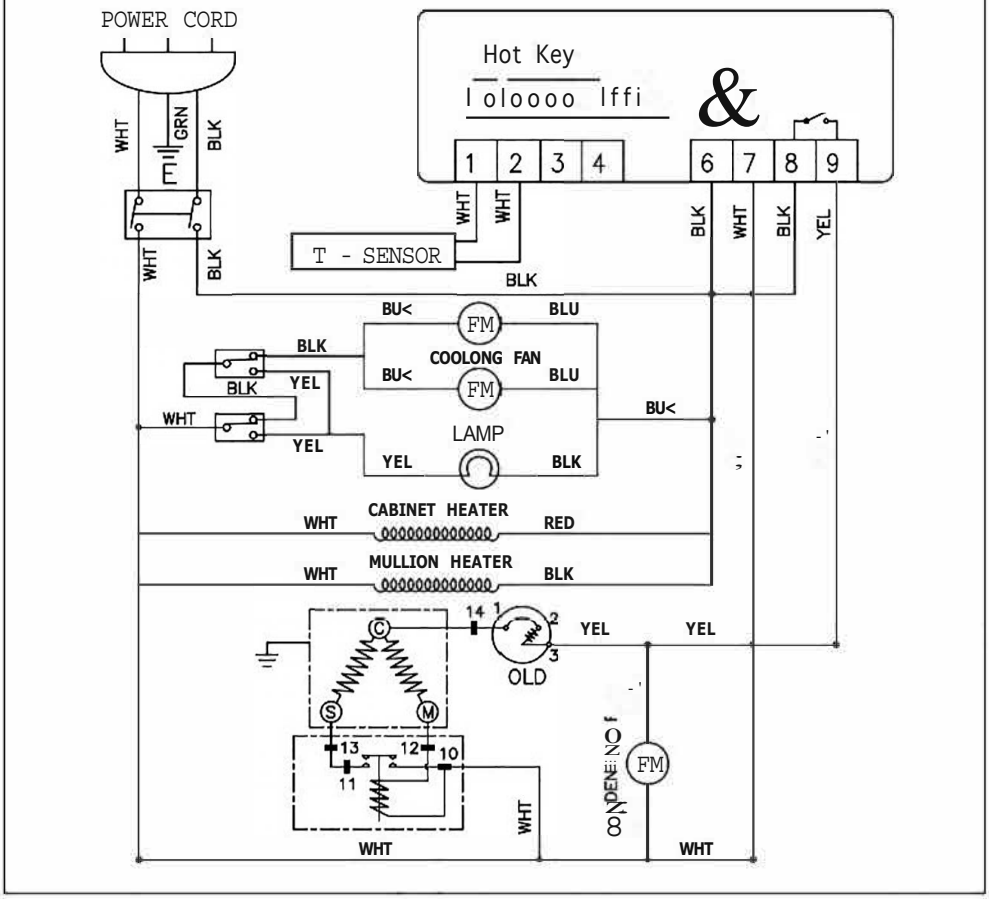


+'fr.{, "V>/51,

Our products have been modified precisely before leaving factory, so to avoid damaging compressor **unit** or other malfunctions, users mustn' t modify the microcomputer parameters privately.

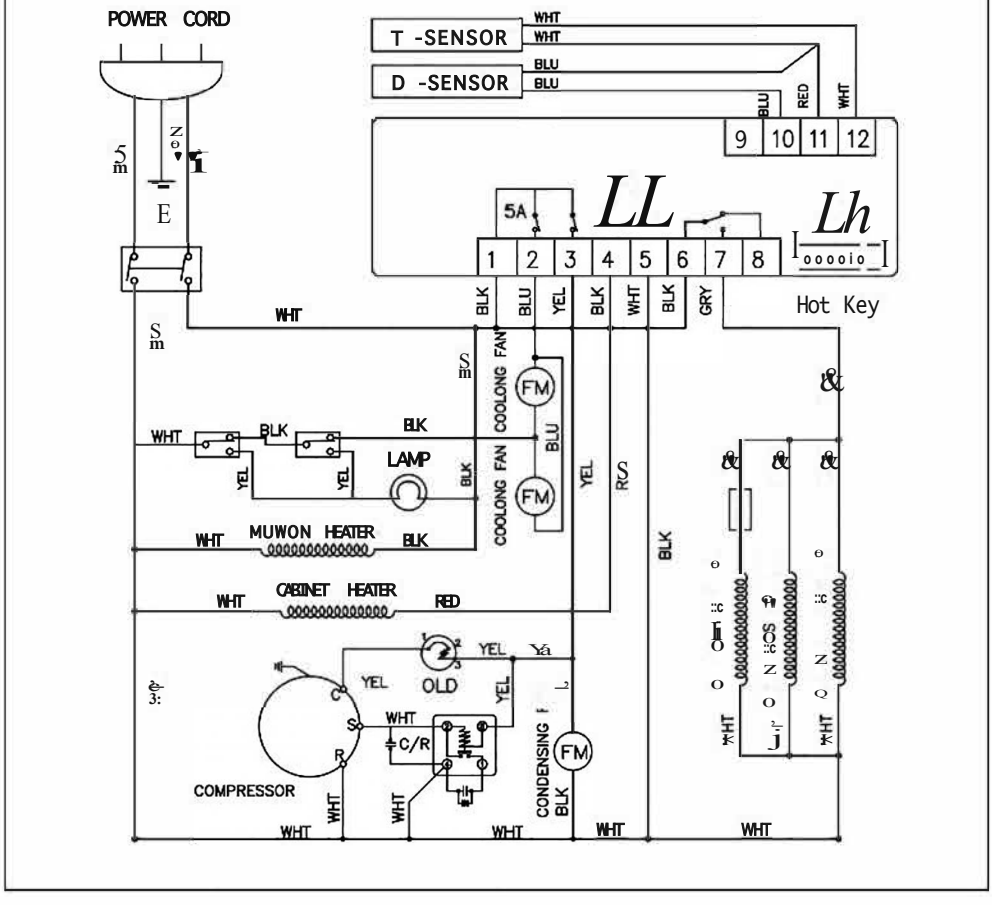
Electrical Control Circuit Diagraan

Fan cooling chill series product





Fan cooling freeze series product





Technical Parallleters

T Series Reach-Ins

Single-door freezer	MBF8001	I	115/60	6.7	-8--1	R404a	28.7x33.3x83.9	265
Two-door freezer	MBF8002	I	115/60	10.3	-8--1	R404a	51.7X33.3X83.9	408
Three-door freezer	MBF8003	I	220/60	10.4	-8--1	R404a	77.8x33.3x83.9	617
Single-door refrigerator	MBF8004	I	115/60	3.5	+33-+45	R134a	28.7x33.3x83.9	265
Two-door refrigerator	MBF8005	I	115/60	5.(i	+33-+45	R134a	51.7X33.3X83.9	386
Three-door refrigerator	MBF8006	I	115/60	11.3	+33-+45	R134a	77.8x33.3x83.9	617
Half two door freezer	MBF8007	I	115/60	6.7	-22--17	R404a	28.7x33.3x83.9	265
Half four door freezer	MBF8008	I	115/60	10.3	-22--17	R404a	51.7x33.3x83.9	408
Half six door freezer	MBF8009	I	220/60	10.4	-8--1	R404a	77 .8x33.3x83.9	617
Half two door refrigerator	MBF8010	I	115/60	3.5	+33-+45	R134a	28.7x33.3x83.9	265
Half four door refrigerator	MBF8011	I	115/60	5.6	+33-+45	R134a	51.7x33.3x83.9	386
Half six door refrigerator	MBF8012	I	115/60	I 13	+33-+45	R134a	77.8x33.3x83.9	617
Single-door freezer	MBF8113	I	115/60	6.7	-8--1	R404a	28.7x33.3x83.9	265
Two-door freezer	MBF8114	I	115/60	10.3	-8--1	R404a	51.7x33.3x83.9	408
Three-door freezer	MBF8115	I	220/60	10.4	-8--1	R404a	77 .8x33.3x83.9	617
Sin9le-door refrigerator	MBF8116	I	115/60	3.5	+33-+45	R134a	28.7x33.3x83.9	265
Two-door refrigerator	MBF8117	I	115/60	5.6	+33-+45	R134a	51.7x33.3x83.9	386
Three-door refrigerator	MBF8118	I	115/60	11.3	+33-+45	R134a	77.8x33.3x83.9	617

NOTES:

If the technical data has any changes, we will not notify you any longer.



B Series Reach-Ins

Description	Model	Qty	Voltage	Amps	Temperature	Refrigerant	Dimensions	Weight
Single-door freezer	MBF8501	1	115/60	6.1	-8--1	R404a	27x31.5x84	265
Two-door freezer	MBF8502	1	115/60	10.3	-8--1	R404a	39.5x31.5x84	353
Two-door freezer	MBF8503	1	115/60	10.3	-8--1	R404a	54.5x31.5x84	419
Three-<loor freezer	MBF8504	1	220/60	10.4	-8--1	R404a	81.85x31 .5x84	617
Single-door refngerator	MBF8505	1	115/60	3.5	+33-+45	R134a	27X31.5X84	254
Two-door refrigerator	MBF8506	1	115/60	5.6	+33-+45	R134a	39.5x31.5x84	342
Two-door refrigerator	MBF8507	1	115/60	5.6	+33-+45	R134a	54.5x31.5x84	397
Three-<loor refrigerator	MBF8508	1	115/60	11.3	+33-+45	R134a	81.85x31.5x84	617

NOTES:

If the technical data has any changes, we will not notify you any longer.

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CERTIFIED TO CSA STD.C22.2 NO.120

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CONFORMS TO UL STO.471
CERTIFIED TO CSA STD.C22.2 NO.120

ETL CM SANITATION LISTED

Intertek
4003935

CONFORMS TO NSF/ANSI STD. 7