
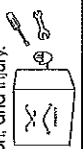



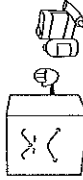



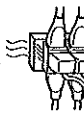






# SAFETY PRECAUTIONS

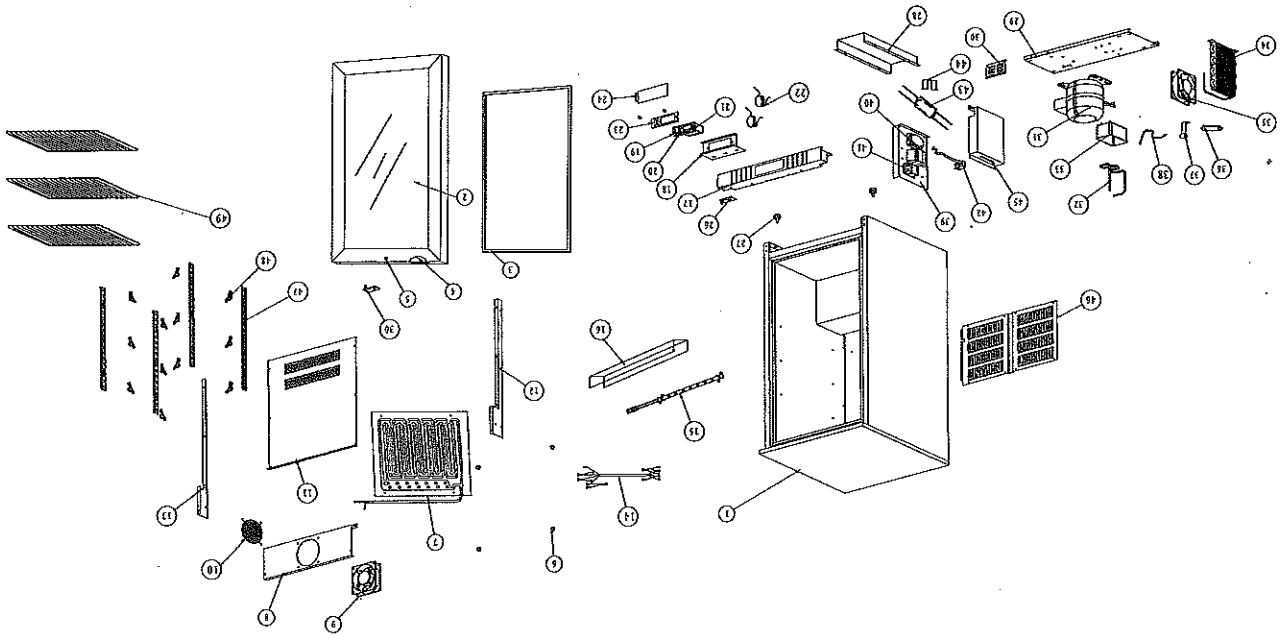
- Please read and follow these safety precautions prior to operating the unit.
- The purpose of these safety precautions is to ensure safe and correct use of the unit to minimize risks that could cause serious damage and/or injury.
- Keep ventilation openings in the appliance clear of obstructions.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision and instructions concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with this appliance.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- After reading this instruction manual, store it in a place where the users of this appliance can easily access it for reference.


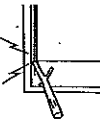
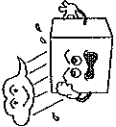

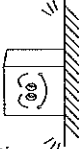
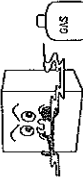
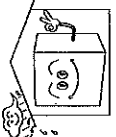
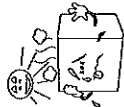
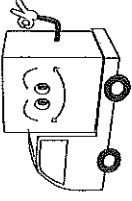
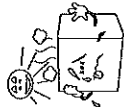
## ◆ PRECAUTIONS FOR USE

<b>WARNING</b>	
<p> <b>DO NOT HAMMER</b></p> <p>All repairs, disassembly and modifications should be performed only by qualified technicians. Attempting to perform these yourself could result in a fire, malfunction, and injury.</p> 	<p> <b>ELECTRICAL SHOCK HAZARD</b></p> <p>Never splash water, directly onto the product or wash with water as short-circuit and electrical leakage could result.</p> 
<p> <b>FLAMMABLE</b></p> <p>Never put flammable or volatile substances into the unit as explosion and fire could result.</p> 	<p> <b>PROHIBITED</b></p> <p>Do not damage, modify, excessively bend, strain, twist or bundle up the power cord. Also, placing heavy objects in the power cord or squeezing it in a tight place could damage it, possibly resulting in electrical shock or fire.</p> 
<p> <b>PROHIBITED</b></p> <p>Use a dedicated wall outlet. Do not use extension cords or convenience receptacles as this could result in electrical shock, overheating and a fire.</p> 	<p> <b>FLAMMABLE</b></p> <p>Never use flammable spray cans or leave flammable substances near the unit. Sparks from electrical switches could result in explosion and fire.</p> 

ILLUS. NUM	PART DESCRIPTION	Part number
2	glass door	CT9602
3	door gasket	CT9603
4	door handle	CT9604
5	lockCT96 special)	CT9605
6	motor supporter	CT9606
7	inflation evaporator	CT9607
8	fan supporter plate	CT9608
9	evaporator motor	CT9609
10	evaporator fan cover	CT9610
11	baffle	CT9611
12	baffle bracket(left)	CT9612
13	baffle bracket(right)	CT9613
14	cable group	CT9614
15	LED light strip	CT9615
16	inner light cover	CT9616
17	front trim plate	CT9617
18	thermostat mountings plate	CT9618
19	on/off switch	CT9619
20	light switch(green)	CT9620
21	digital thermostat(SF-104)	CT9621
22	thermostat probe	CT9622
23	temperature table board	CT9623
24	electric cover	CT9624
25	upper hinge	CT9625
26	lower hinge	CT9626
27	adjust feet	CT9627
28	through trunking	CT9628
29	compressor room plate	CT9629
30	compressor bottom plate	CT9630
31	compressor	CT9631
32	venting tube	CT9632
33	water tray	CT9633
34	finned condenser	CT9634
35	evaporator motor	CT9635
36	drier	CT9636
37	drier mount	CT9637
38	evaporator pipe	CT9638
39	electric controller	CT9639
40	connecting box	CT9640
41	ballast	CT9641
42	power plug	CT9642
43	power source of LED light	CT9643
44	holder of power source	CT9644
45	electrical cover	CT9645
46	back cover	CT9646
47	K-support	CT9647
48	K-clip	CT9648
49	shelf	CT9649

# CT96 ILLUSTRATED PARTS DIAGRAM



<p><b>! WARNING</b></p> <p>The cooler is intended for storage and display of beverages for sale. Do not use for other purpose than intended as this could adversely affect items placed in the unit.</p> 	<p>Never attempt to insert fingers, sticks, etc. into the cold air suction outlet as a circulation fan is rotating at high speed inside the outlet. Injury, electrical shock and improper operation could result.</p> 
<p><b>! PROHIBITED</b></p> <p>For indoor use only. Using the unit in a location exposed to rain could result in electrical leakage and electrical shock.</p> 	<p>Never place heavy objects or items containing water on top of the unit. Objects could fall down and cause injury and spilled water could deteriorate the insulation of electrical components and result in electrical leakage.</p> 
<p><b>! CAUTION AGAINST EXPLOSION</b></p> <p>Install the unit in a location where the floor is sturdy enough to support the load of the unit. If the floor is not sturdy enough or installation is incorrectly performed, the unit could tip over and falling shelves and products could cause personal injury.</p> 	<p>If you find gas leakage, please don't touch the chest freezer, and close gas and open the door for ventilation. Gas leakage could cause explosion, fire, and fire injury.</p> 
<p><b>! PROHIBITED</b></p> <p>Store the unit in a location where it is not exposed to rain. Using a unit that has been exposed to rain could result in electrical leakage and electrical shock.</p> 	<p>Keep away from hot air sources. Cooling performance is reduced if the unit is placed near heat sources such as hot plates and stoves and if it is exposed to direct sunlight.</p> 
<p><b>! PROHIBITED</b></p> <p>Leave disassembly and disposal of the unit to qualified experts.</p> 	<p>Should the unit need temporary storage, make sure not to store the unit in a location where children play and take precautions so that the door cannot be completely closed. This will minimize the risk that a child becomes trapped inside the compartment.</p> 

## SERVICING:

MALFUNCTION	POSSIBLE CAUSE	SOLUTION
Cabinet temperature too high-	<ol style="list-style-type: none"> <li>1. Inside cabinet air flow may be blocked/restricted.</li> <li>2. Condenser clogged with dust.</li> <li>3. Control setting too high.</li> <li>4. Improper refrigerant charge.</li> </ol>	<ol style="list-style-type: none"> <li>1. Position product to allow air flow around product.</li> <li>2. Clean condenser with brush or vacuum cleaner</li> <li>3. Reset controller to correct set points.</li> <li>4. Servicer-check refrigerant, correct as necessary.</li> </ol>
Refrigerator freezing product-	<ol style="list-style-type: none"> <li>1. Controller setting.</li> <li>2. Control sensor not communicating w/ controller.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reset controller to set point. Replace if necessary.</li> <li>2. Replace sensor.</li> </ol>
Compressor will not start - no hum	<ol style="list-style-type: none"> <li>1. No power to unit.</li> <li>2. Overload protector tripped.</li> <li>3. Controller not powering compressor</li> <li>4. Wiring improper or loose.</li> </ol>	<ol style="list-style-type: none"> <li>1. Restore electrical power (plug in or reset breaker)</li> <li>2. Refer to electrical section.</li> <li>3. Controller failure, replace controller.</li> <li>4. Check wiring against diagram.</li> </ol>
Compressor will not start - hums but trips in overload protector	<ol style="list-style-type: none"> <li>1. Improperly wired.</li> <li>2. Low voltage to unit.</li> <li>3. Starting capacitor defective.</li> <li>4. Relay failing to close.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check wiring against diagram.</li> <li>2. Determine reason and correct.</li> <li>3. Determine reason and replace.</li> <li>4. Determine reason &amp; correct, replace if necessary.</li> </ol>
Compressor starts, but does not switch off start winding	<ol style="list-style-type: none"> <li>1. Low voltage to unit.</li> <li>2. Relay failing to open.</li> <li>3. Run capacitor defective.</li> <li>4. Compressor motor has a winding open or shorted</li> </ol>	<ol style="list-style-type: none"> <li>1. Determine reason &amp; correct.</li> <li>2. Determine reason &amp; correct, replace if necessary</li> <li>3. Determine reason and replace.</li> <li>4. Determine reason &amp; replace compressor.</li> </ol>
Compressor starts and runs, but short cycles on overload protector	<ol style="list-style-type: none"> <li>1. Additional current passing thru overload protector.</li> <li>2. Low voltage to unit.</li> <li>3. Overload protector defective.</li> <li>4. Run capacitor defective.</li> <li>5. Excessive discharge pressure.</li> <li>6. Compressor too hot - return gas hot.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check wiring diagram. Check for added electrical components connected in same circuit.</li> <li>2. Determine reason of low voltage and correct.</li> <li>3. Check current, replace protector.</li> <li>4. Determine reason and replace.</li> <li>5. Check ventilation, restrictions of cooling medium, restrictions in refrigeration system.</li> <li>6. Check refig. charge (fix leak) add if necessary.</li> </ol>
Unit runs OK, but short cycles	<ol style="list-style-type: none"> <li>1. Overload protector.</li> <li>2. Electronic controller</li> <li>3. Overcharge of refrigerant.</li> <li>4. Air in system.</li> <li>5. Undercharge.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check wiring diagram.</li> <li>2. Differential set too close - widen.</li> <li>3. Reduce refrigerant charge.</li> <li>4. Purge and recharge.</li> <li>5. Fix leak &amp; recharge with refrigerant.</li> </ol>
Unit operates long if continuously	<ol style="list-style-type: none"> <li>1. Shortage of refrigerant.</li> <li>2. Compressor relay contacts stuck closed.</li> <li>3. Evaporator coil iced.</li> <li>4. Restriction in refrigeration system.</li> <li>5. Dirty condenser.</li> </ol>	<ol style="list-style-type: none"> <li>1. Fix leak, and recharge with refrigerant.</li> <li>2. Replace relay.</li> <li>3. Defrost.</li> <li>4. Determine location and remove.</li> <li>5. Clean condenser.</li> </ol>
Unit noisy	<ol style="list-style-type: none"> <li>1. Loose parts or mountings.</li> <li>2. Tubing rattles.</li> <li>3. Bent fan blade causing vibration.</li> <li>4. Fan motor bearings worn.</li> </ol>	<ol style="list-style-type: none"> <li>1. Find and tighten.</li> <li>2. Reform to be free of contact.</li> <li>3. Replace blade.</li> <li>4. Replace motor.</li> </ol>

## WHEN REQUESTING SERVICE

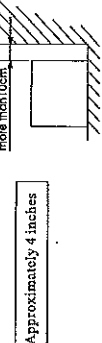
If service is required provide the following information when requesting:

1. Model and Serial number of unit and when and from whom purchased.
2. Nature of malfunction (what the unit is doing or not doing that it should).
3. Location of the unit (physical address of the unit)
4. Contact name and phone number for scheduling the service.

## WARNING

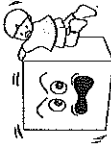
### WELL VENTILATED PLACE

Please make sure there is more than 10cm space between upright cooler and the wall, if there is no space, cooling capacity can drop down.



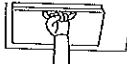
PROHIBITED

Never hang from the door or climb onto the unit. The unit could tip over or fall and cause material damage or injury.



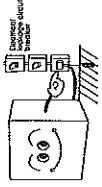
DO NOT TOUCH

Grasp the handle when closing the door. Holding at other positions could result in pinched fingers and injury.



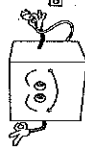
DO NOT TOUCH

If installation in a damp location is unavoidable, also install an electrical leakage circuit breaker. If no electrical leakage circuit breaker is installed, electrical shock could result.



DO NOT TOUCH

Disconnect the power cord plug from the wall outlet before moving the unit and make sure that the power cord is not damaged during transport. A damaged power cord could result in electrical shock and/or fire.



DO NOT TOUCH

Do not push hand against or apply excessive force to glass surfaces as the glass could break and cause injury.



DO NOT TOUCH

When disconnecting the power cord plug from the wall outlet, hold at the plug main body close to the outlet. Pulling the cord could cause wire breakage, possibly resulting in overheating and fire.



DO NOT TOUCH

Make sure that the unit does not tip over or fall when it is moved. A falling unit could cause serious injury.



PROHIBITED

Do not throw items onto the shelves and do not place items totalling more than 55lbs on each shelf. The shelf could fall down, possibly causing injury.





# BEVERAGE-AIR®

## INSTALLATION AND OPERATING INSTRUCTIONS

### 1. INSTALLATION

#### a. Receiving Inspection:

Upon receipt, check all packages for accessories or optional components, shelves, etc. Keys for door locks are included in the bag with the manual.

#### b. Legs

Each cabinet is provided with two (2) adjustable feet installed in the front of the cabinet.

#### c. Leveling:

To provide adequate drainage and proper door alignment and operation, it is necessary that the cabinet be level. Level the cabinet from front to rear and from side to side. This should be done after cabinet has been set in its final operating position.

#### d. Shelves:

Product shelves are packed inside the unit, along with shelf support clips. Shelf spacing is adjustable with enclosed shelf supports to suit requirements. Note: Ensure shelf support clips are installed into same level slots on the plasters for shelves to sit level and support product properly.

#### e. Locating Cooler:

For proper operation of the cooler, provide at least four inches of space between the rear of the cabinet and any adjacent wall or fixture.

### 2. OPERATION

**a. Electrical Supply & Connections:** This unit should be powered by an electrical supply meeting all local and national electrical codes. Review the unit data label before initiation of electrical service.

**NOTE:** Low line voltage can cause failure of the electrical components and is often the cause of service complaints.

Check to ensure that the line voltage is 115 volts (plus or minus 10%) with the unit running. Other motors or heavy appliances should not be used on the same circuit with this cooler.

**WARNING:** When cleaning or performing major repair, disconnect electrical service for safety reasons.

#### b. Initial Start-Up:

Turn power on and check to verify that compressor, lamp, and fans are running.

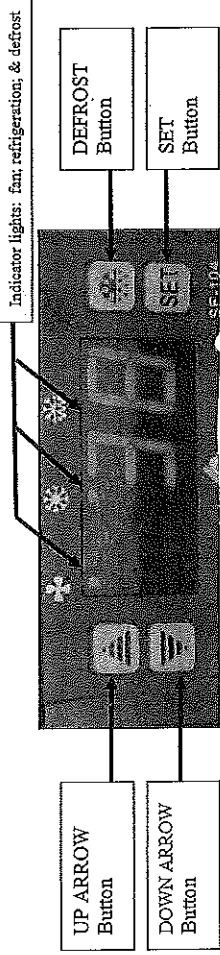
#### c. Temperature Controller:

This unit is equipped with an electronic controller. This controller is located on the bottom of the unit under the door. The controller has four buttons as shown in the picture below, and three indicator lights and temperature display. The controller has automatic delay of compressor startup of two (2) minutes - anytime the unit's refrigeration is stopped the controller will keep the compressor off for two minutes for increased starting efficiency of the compressor.

CT96 models are shipped from the factory with the controller set at 34 °F cycle off temperature. This setting will maintain product temperature at approximately 38 degrees °F. To change the temperature set point, press and hold the 'Set' button which will display the set point temperature. Press the UP or DOWN arrow buttons until the desired off cycle temperature is displayed, then either press the 'Set'

button again to store the new temperature, or wait 6 seconds and the controller will automatically reset and store the new setting.

The controller will initiate off cycle defrost every 4 hours, for a duration of 10 minutes or less. For efficient operation, the defrost cycle is terminated when the evaporator coil sensor indicates no frost, or at the end of 10 minutes time limit. Defrost can be manually initiated by pressing and holding the Defrost button for 6 seconds. Following a manually initiated cycle, subsequent off cycle defrosts will occur every 4 hours.



#### Controller indicator lights:

- Fan LED: During refrigeration run cycle, the LED is ON; during refrigeration off cycle, and defrost on cycle, the Fan LED is OFF.
- Refrigeration LED: During refrigeration run cycle, the LED is ON; during off cycle and defrost cycle the refrigeration LED is OFF; during a delayed start, the LED FLASHES.
- Defrost LED: During defrost the LED is ON; when the defrost cycle is ended the LED is OFF; during a delay the LED FLASHES.

#### e. Condensate Disposal:

All cabinets are equipped with an automatic condensate disposal system. No outside drain hook up is necessary.

### 3. MAINTENANCE

To prevent any electrical shock hazards or injury by rotating circulation fan, always disconnect the power cord plug from the wall outlet before cleaning.

**WARNING**

#### a. Cleaning Cabinet Exterior:

Cabinets should be cleaned with a solution of mild soap and water. Do not use caustic soap or abrasive cleaners, since these might damage the cabinet finish. If stainless steel surfaces become discolored, scrub by rubbing only in direction of the finish grain. Do not use steel wool, as rusting can occur.

#### b. Cleaning Interior Surfaces:

Clean the inside of the cabinet using mild soapy water and a soft cloth, or sponge.

#### c. Condenser:

For efficient operation, the condenser must be kept clean. It is recommended that the condenser coil and fans be cleaned at minimum of every 3 months. Remove grille for access. Vacuum clean coil thoroughly or direct forced air through condenser from the rear.