

# **INSTRUCTION MANUAL**

## **FOR**

### **REFRIGERATED**

#### **DISPLAY CABINETS**

**Please read this manual carefully.**

Make sure you keep this manual in a safe place, and it is accessible by the user at any time .



Model	NT1BH	NT2BH	NT3BH
Climatic Class	N	N	N
Storage Temperature (°C)	2~10	2~10	2~10
Anti-shock Protection Class	I	I	I
Capacity (L)	115	201	303
Rated Voltage (V)	~230	~230	~230
Rated Frequency (Hz)	50	50	50
Amps (A)	1.6	1.8	2.0
Refrigerant /Charging (g)	R134a/150	R134a/200	R134a/250
Dimension W×D×H (mm)	600×505×900	900×505×900	1335×505×900

**The above specifications are subject to improvements.**

## **1. Portage and installation**

1. When carrying the unit, keep the unit vertical, the angle of inclination between sides of the unit and horizontal plane should never be less than 50°, otherwise damage will be caused to the compressor and affect normal operation of the unit;
2. After unpacking the unit, remove the packing materials and place the unit on a sturdy, level floor, near a 13amp power socket;
3. Be sure to leave at least 20 cm of distance between the back of the unit and wall for ventilation and leave enough room for the door(s) to open at an angle of 160°
4. Keep the unit away from heat sources and avoid direct sunlight;
5. Never place the unit in a location where water or with high moisture can penetrate. *E.g. under a sink.*

## 2. Preparation

1. Connection to power: The unit must be connected to the socket via the supplied fused 13amp, (BS1363), plug. The unit will accept a single phase A.C supply of between 187v to 242v. Do not use multi socket adaptors when installing the unit. Follow the rule of **one plug per socket!**
2. Operation test: Close the door(s) and connect the unit to the power supply. 30 minutes after power on, the temperature inside cabinet will lower, this means the unit is operating normally.

## 3. Caution

1. Do not fit any other plug to the power cord not complying with BS1363;
2. Do not damage the power cord and the plug;
3. Never splash water directly on the unit;
4. Prohibition of storage of explosive or hazardous goods, such as ether, gas, bonding agents, fireworks, etc.
5. Prohibition of spray of inflammables such as paints, coating materials etc, near the unit. Otherwise it could cause a fire.
6. You should not re-plug the unit into the power supply or start the compressor within 5 minutes after disconnection of power.
7. Do not make any modifications to this unit.
8. This unit is not suitable for storage of pharmaceutical products.
9. Keep the door key in a location where children cannot gain access.



#### **4. Storage of product**

1. Do not put large amounts of product into the unit at one time. You should leave some space around the goods to let cold air inside the cabinet circulate. Keep bottled produce away from the walls of the interior cabinet, to prevent freezing.
2. The shelving can be adjusted to suit different sized products.
3. Do not put warm food into the unit. This must be pre-cooled to room ambient. Keep warm product out of the cooled space, and the doors closed. This will conserve energy and prolong service life of the compressor.

#### **5. Setting and adjustment of temperature**

**Please see the attachment instruction form!**

#### **6. Maintenance**

**Disconnect the power supply before attempting any maintenance on the unit!**

1. This cooler's condenser must be cleaned every four months. Remove the back panel, and gently brush the condenser in the direction of the fins. Be careful not to bend the fins. Finish with a vacuum cleaner and clear any dust from around the condenser tray.
2. Keep the door gasket clean, the door gasket can be removed for cleaning and can be remounted again. Putting a little talcum powder on the magnetic surface of the door gasket will prolong its service life.
3. Bulb replacement: When the bulb is burnt out, first remove the left side cover of the light-box, take out the light logo panel, replace with a new bulb, insert the light logo panel, then replace the left side cover; If the inner light fails, unscrew the screw on the lampshade, overturn the

lampshade, and replace the bulb. Replace the lampshade, and tighten the screw.

4. If the power supply cord is damaged. It must be replaced by the manufacturer, its service agent, or a similar qualified person in order to avoid a shock or fire hazard.

## **7. Attention**

1. The unit is not suitable for storage of blood, pharmaceutical products and biological products. If you have demand in this field, please contact our dealer for purchase of our medical series of products.
2. Don't touch temperature sensor inside the cabinet when accessing the inside of the unit, otherwise it may influence the operating performance of the thermostat, and the system will increase its energy consumption.
3. Do not put weights on the top of the unit.
4. The drainage hole on the bottom of the unit is used for drainage of condensate collected in the cabinet. Please ensure the hole cover is tight after drainage of water, otherwise it may influence cooling effect of the unit, because of warm air leakage into the cabinet.
5. In problems occur, please ask a professional person to service the unit. You should not dismantle the unit without prior authorization.

## **8. Normal Operation**

1. You may sometimes hear a quiet sound of water flowing in the unit. This is normal and is the sound of refrigerant flowing inside the pipe.
2. Compressor, condenser and the parts of the unit near the door are warm or hot.
3. In a humid place, there is dew on the casing of the door. It can be

dried with a dry cloth.

## 9. Troubleshooting guide

Problems	Possible causes	Ways to solve problem
The unit does not operate	Bad connection of plug or fuse burnt out	Unplug the plug and re-connect the plug to power supply or check and replace the fuse
Abnormal operation of the compressor or it has a buzzing sound	The power voltage is out of rated range	Disconnect the power supply immediately and reconnect with it after normal voltage is restored. It is necessary to have a voltage stabilizer in case of poor power supply.
Compressor operates too long and no frost on the surface of the evaporator	Refrigeration system is at fault (leakage or blocked)	Sent the unit to service department for repair
There is frost or ice on the walls of the inner cabinet and too low internal temperature. The compressor operates without stopping.	The thermostat does not work	Ask the service department for a repair
	The sensor of thermostat has separated from the wall of cabinet	Tighten the screw of the cover for the sensor
The internal temperature is too high and the compressor operates without stop	Bad heat dissipation and ventilation of condenser	Improve ventilation Clean condenser
	Too much warm food was put in at one time	Take out some food
	Door open frequently or door has been left open	Decrease number and duration of door openings.
Noise level high	The unit is not level	Level unit with the adjustable legs
	The fastener of the unit is loose	Tighten the loose fastener
	Pipes touching near the compressor	Carefully separate the touching pipes



