DC COMPRESSOR MOBILE FRIDGE

USER MANUAL
Grape Glacier 3.7

PLEASE READ THIS USER MANUAL CAREFULLY BEFORE USING.

WARMING:

The appliance must be earthed and connected to a suitable DC12V or DC24V socket (at lease 120W DC). The manufacturer and the seller do not accept responsibility for any damage due to incorrect electrical installation.

MOVEMENT AND INSTALLATION

When moving the unit, the angel between the cabinet and the ground should not be less than 45° in order to protect the compressor and refrigerating system.
Position the unit in a dry and well-ventilated place. Keep the freezer away from direct sunlight, heaters and corrosive gases.
The normal operation of the unit depends on the heat radiation of the condenser. For the initial use, the packing foam must be taken off and at least 150mm space must be left around the unit.

TEST-RUN

The voltage range required is DC12V±10% or DC24V±10%. If the power is not stable, the unit will not run. The unit will restart when the voltage is normal.
Do not pull the appliance by power cord.

Connect power, set the digital thermostat to -18℃ and check the indicators. 30 minutes later, open the door and check the inside surface. If the inside surface is cold, your appliance is working.

FOODS STORING

Fresh foods should not be stored together with frozen foods.

When the temperature is set below 0℃ (the unit is used as a freezer), do not store any glass-bottled drinks such as beer and lemonade as the bottles might crack.

DEFROSTING AND DE-ODORIZING

When the ice layer on the inner cabinet sides is over 5mm, defrosting operation should be performed to improve the refrigerating efficiency.
Disconnect power, remove all items and clean unit. After defrosting, clean with a soft rag and switch the appliance on.
Note: Never remove ice with sharp objects.
Place charcoal in the appliance to remove any bad odors.

MAINTENANCE AND REGULAR CLEANING

Always disconnect the power supply before cleaning.
Clean the inside cabinet whenever necessary. Use a warm solution of water and bicarbonate of soda (1 tablespoon to every 2 liters of water), dry with a soft cloth.
Dirt from the condenser should be cleaned by a qualified technician when necessary.

NOT A MALFUNCTION

It is normal to hear gurgling sounds caused by the flow of refrigerant when each cooling cycle ends.
The surface temperature of the compressor can reach 70-90℃ when running.
The noise emitted by the cooling fan on the condenser is a normal condition.

TROUBLESHOOTING

Problem	Cause	Remedy
The compressor runs for 1 to 5 minutes and stops	The voltage is not in the normal range	Switch off power and restart when power is normal
The compressor runs but inner liner does not get cold	The refrigerant has leaked	Contact your service agent
	The system is blocked	
The inner liner is very cold and the compressor runs continuously.	The door is being opened and closed too frequently	The door should be opened as little as possible
	The condenser is not well-ventilated.	Select a well-ventilated place
The compressor does not run	The controller is faulty (the power indicator is not on)	Contact your service agent
	The thermostat is set too high while the ambient is too cold.	Re-set the temperature.
The unit is noisy	The unit is not placed properly.	Make the unit level
	Some parts have come loose.	Contact your service agent
	The pipes are touching.	Contact your service agent

MAIN TECHNICAL PARAMETER

Model:	DC-110
Efficient volume:	110L
Input power:	DC 60W
Temperature of freezing:	-12℃
Temperature of refrigerating:	0～10℃
Dimension(WxDxHmm):	473*498*815

ELECTRICAL DIAGRAM