

GCG-10

UPRIGHT COOLER



Manual is for the following models:
GCG-10-N33EB
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Instruction Manual

GCG-10

FOR YOUR FUTURE REFERENCE

- This easy-to-use manual will guide you in getting the best use of your cooler.
- Remember to record the model number and the serial number. This information can be found on the inside of your cooler.
- Keep your receipt with this manual for future warranty service.

Model #: _____

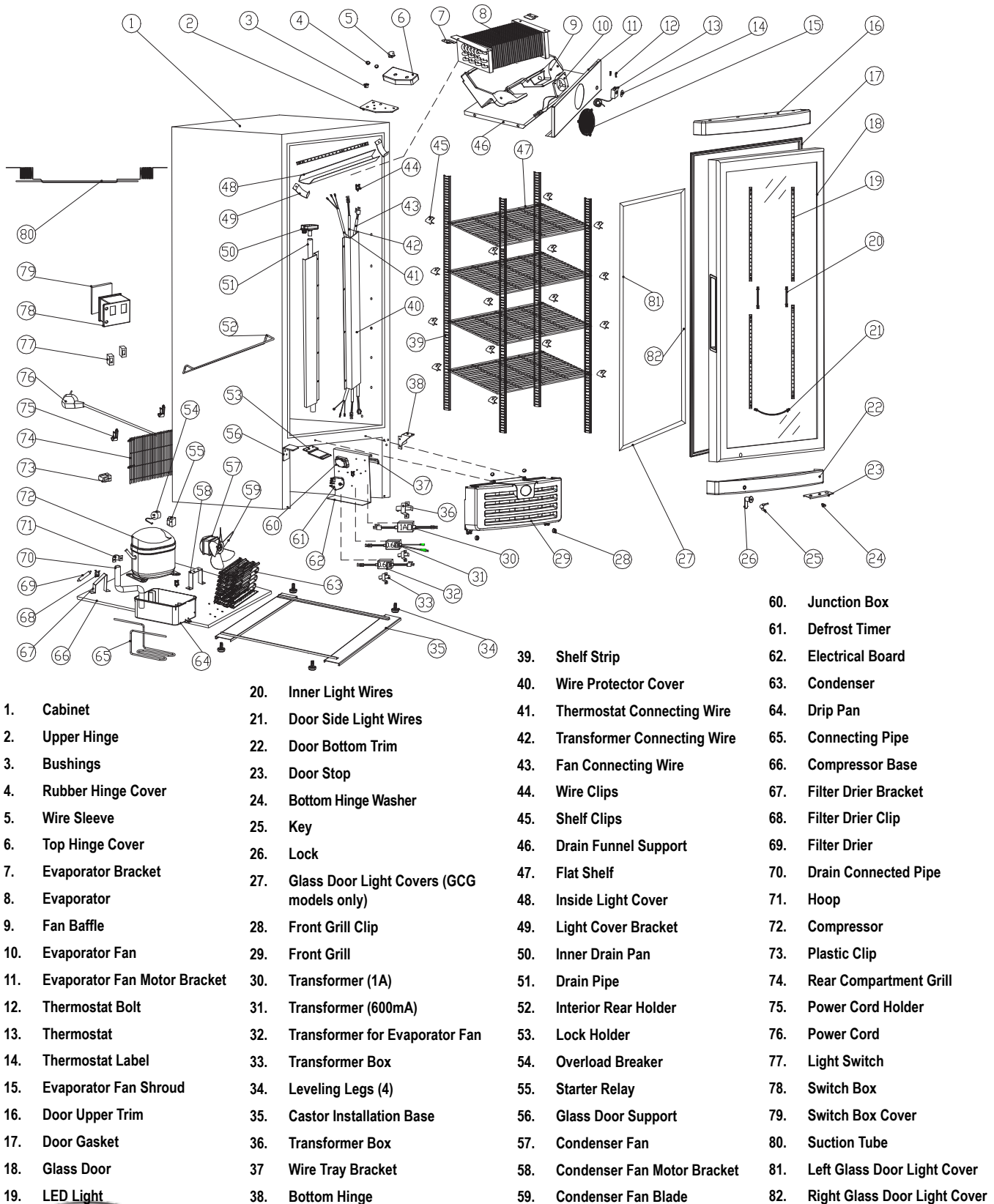
Serial #: _____

Date of Purchase: _____

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PARTS & IDENTIFICATION



- | | | | |
|----------------------------------|---|---------------------------------|----------------------------------|
| 1. Cabinet | 20. Inner Light Wires | 40. Wire Protector Cover | 60. Junction Box |
| 2. Upper Hinge | 21. Door Side Light Wires | 41. Thermostat Connecting Wire | 61. Defrost Timer |
| 3. Bushings | 22. Door Bottom Trim | 42. Transformer Connecting Wire | 62. Electrical Board |
| 4. Rubber Hinge Cover | 23. Door Stop | 43. Fan Connecting Wire | 63. Condenser |
| 5. Wire Sleeve | 24. Bottom Hinge Washer | 44. Wire Clips | 64. Drip Pan |
| 6. Top Hinge Cover | 25. Key | 45. Shelf Clips | 65. Connecting Pipe |
| 7. Evaporator Bracket | 26. Lock | 46. Drain Funnel Support | 66. Compressor Base |
| 8. Evaporator | 27. Glass Door Light Covers (GCG models only) | 47. Flat Shelf | 67. Filter Drier Bracket |
| 9. Fan Baffle | 28. Front Grill Clip | 48. Inside Light Cover | 68. Filter Drier Clip |
| 10. Evaporator Fan | 29. Front Grill | 49. Light Cover Bracket | 69. Filter Drier |
| 11. Evaporator Fan Motor Bracket | 30. Transformer (1A) | 50. Inner Drain Pan | 70. Drain Connected Pipe |
| 12. Thermostat Bolt | 31. Transformer (600mA) | 51. Drain Pipe | 71. Hoop |
| 13. Thermostat | 32. Transformer for Evaporator Fan | 52. Interior Rear Holder | 72. Compressor |
| 14. Thermostat Label | 33. Transformer Box | 53. Lock Holder | 73. Plastic Clip |
| 15. Evaporator Fan Shroud | 34. Leveling Legs (4) | 54. Overload Breaker | 74. Rear Compartment Grill |
| 16. Door Upper Trim | 35. Castor Installation Base | 55. Starter Relay | 75. Power Cord Holder |
| 17. Door Gasket | 36. Transformer Box | 56. Glass Door Support | 76. Power Cord |
| 18. Glass Door | 37. Wire Tray Bracket | 57. Condenser Fan | 77. Light Switch |
| 19. LED Light | 38. Bottom Hinge | 58. Condenser Fan Motor Bracket | 78. Switch Box |
| | | 59. Condenser Fan Blade | 79. Switch Box Cover |
| | | | 80. Suction Tube |
| | | | 81. Left Glass Door Light Cover |
| | | | 82. Right Glass Door Light Cover |

SAFETY PRECAUTIONS

When using this appliance, always follow the basic safety precautions:

1. Read the entire User's Manual before operating this appliance.
2. Use this appliance only for its intended purpose as described in this User's Manual.
3. This cooler must be properly installed in accordance with the installation instructions before being used. See grounding instructions on page 6.
4. Never unplug your cooler by pulling on the power cord. Always grasp the plug firmly and pull it straight out from the outlet.
5. Unplug your cooler before cleaning or making any repairs. (Note: If for any reason this product requires service, we strongly recommend that a certified technician perform the service.)
6. Immediately repair or replace all electrical cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length, the plug or the connector end.
7. This cooler should not be recessed or built into an enclosed cabinet. It is designed for freestanding installation only.
8. Do not operate or store your cooler near or around explosive fumes, gasoline or other flammable vapors and liquids.
9. Setting the temperature control to the 0 position does not remove power to the light circuit, perimeter heaters, or evaporator fans.

Please save these instructions!

DANGER!

Proper Disposal of the Refrigerator

To prevent any risk of child entrapment when discarding your cooler remove the doors and leave the shelves in place so that children cannot easily climb inside.

PRE-CAUTION, NON-OPERATING COOLERS SHOULD HAVE:

1. Glass door removed.
2. Shelves kept in place in order to prevent any small child from climbing inside cooler.

FOR PROPER DISPOSAL OF COOLER: Distributors / retailers need to contact a qualified service technician:

1. To recover all Freon/refrigerant from the cooler
2. To remove the compressor or remove the oil from the compressor

Then the distributor/ retailer can contact their local metal recycling center to pick up the remaining cabinet, shelves, etc. By law, disposal of hazardous wastes may be subject to fines and imprisonment under the provisions of the environmental regulations. For more information please visit: <http://www.epa.gov/osw/hazard/index.htm>

FEATURES

- Designed with an elegant shape and quick refrigeration speed, this commercial-grade product is an ideal choice for shopping malls, supermarkets, hotels, etc.
- Transparent glass doors are built with hollow, toughened glass that provides a high level of heat insulation. Clear doors allow for high product visibility.
- The forced air system allows for fast cooling speeds, which helps maintain a consistent temperature.
- Adjustable shelves allow for a wide variety of products to be stocked.
- A built-in lock offers the ability to secure products.
- The refrigeration unit is designed for easy access, allowing for fast and simple repairs.
- This equipment is intended for storage and display of non-hazardous packaged product.



CAUTION FLAMMABLE REFRIGERANT

- **DANGER** – Risk Of Fire Or Explosion. Flammable Refrigerant Used. To Be Repaired Only By Trained Service Personnel. Do Not Puncture Refrigerant Tubing.
- **CAUTION** – Risk Of Fire Or Explosion. Flammable Refrigerant Used. Consult Repair Manual/Owner's Guide Before Attempting To Install or Service This Product. All Safety Precautions Must be Followed.
- **CAUTION** – Risk Of Fire Or Explosion. Dispose Of Properly In Accordance With Federal Or Local Regulations. Flammable Refrigerant Used.
- **CAUTION** – Risk Of Fire Or Explosion Due To Puncture Of Refrigerant Tubing; Follow Handling Instructions Carefully. Flammable Refrigerant Used.

INSTRUCTIONS

Ambient Environment

- Place cooler on an even surface to reduce vibration and noise.
- To transport, do not tilt the cooler beyond a 45 degree angle.
- Do not place cooler in direct sunlight or near any heat sources.
- Do not place cooler in environment temperatures that exceed 109°F.
- Do not place cooler in below normal temperatures.
- Do not place cooler in extreme humid environments, this may cause components to rust.
- Do not place cooler near constant running or splattering water, this may cause immediate damage to refrigeration system.
- Must allow at least 2" between rear of cooler and wall for proper ventilation and heat dissipation of cooler.
- Do not place furniture or other articles with sharp edges near the cooler in order to prevent damage to the glass door.

PREPARATION PRIOR TO OPERATION

- Remove all packaging materials before using cooler.
This includes: foam pedestal, adhesive tape (used to fix accessories) and protective gaskets.
- Inspect cooler for concealed damage. Immediately file a claim with the freight carrier if there is damage. IDW is not responsible for damage incurred during shipping.
- For proper operation, place the cooler on a dry, level surface.
- Clean the interior surface with a soft cloth and lukewarm water before operation.
- Keep cooler in an upright position for 30 minutes prior to use.
- IDW requires that a sole use circuit be dedicated for the unit. Failure to do so voids warranty.

WARNING: Do not use extension cords.

WARNING: Compressor warranties are void if compressor burns out due to low voltage.

WARNING: Power supply cord should not be removed or altered in any way.

Leveling

- Set unit in its final location, making certain there is adequate ventilation in the room.

WARNING: Warranty is void if ventilation is insufficient.

- Proper leveling of the GCG-10 cooler is critical to it operating correctly. Condensation removal and door operation will be affected by leveling.

< The cooler should be leveled front to back and side to side with a level.

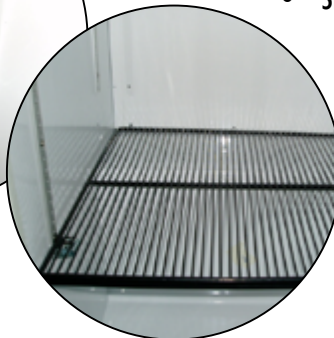


- Ensure that drain hose or hoses are positioned in the pan.
- Remove plug and cord from inside the lower rear of the cooler.
- The unit should be placed close enough to the electrical supply so that extension cords are never used.

Shelving Installation

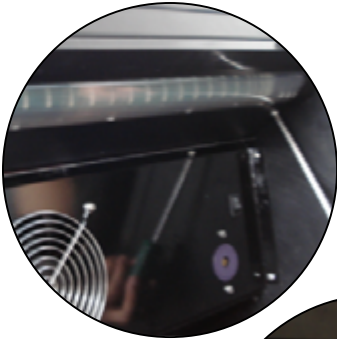


- Securely insert shelf clips into pilasters
- Shelf clips should be level so shelf lays flat
- Place shelf on shelf clips



Replacing the Canopy Light

- Updating the removal of the light canopy



1 Unplug the cooler, then unscrew (2) screws using a Phillip's screwdriver.



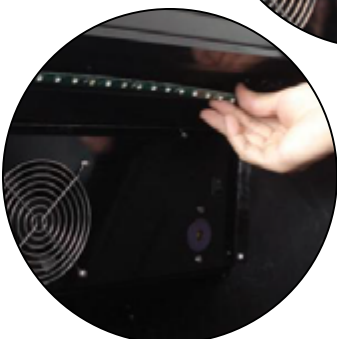
2 Remove plastic cover.



3 Disconnect lights.



4 Unscrew (2) screws using a Phillip's screwdriver.

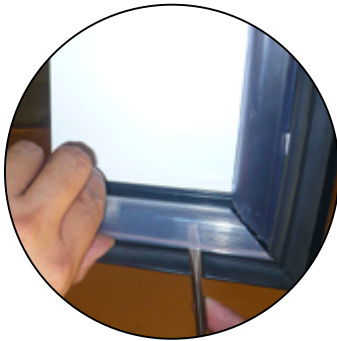


5 Remove LED light strand.

6 To install LED lights follow the above directions in reverse order.

REPLACING THE DOOR LIGHTS

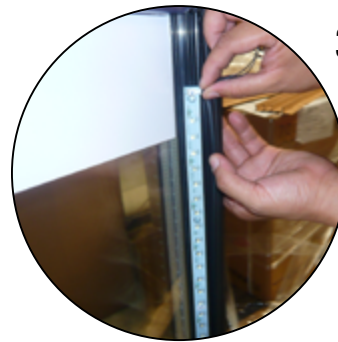
There are LED lights inside the top of the cabinets and in the door. GCG-10 has Interior top canopy lights and inner side door lights. Replacement of LED lights in the door:



1 Unplug the cooler.



2 Remove plastic cover.



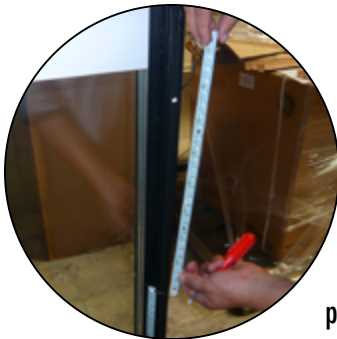
3 Disconnect top light strand.



4 Disconnect middle light strand.



5 Unscrew light strand.



6 Remove entire light strand.

7 To install LED lights follow the above instructions in reverse order.

Notes: If there are any malfunctions with the main control panel of LED lights, please contact a professional for replacement.

STARTUP, OPERATION AND TEMPERATURE ADJUSTMENT

Operation

- Prior to stocking cooler with product, it should be operated empty for half an hour.

Temperature Adjustment

- GCG-10 performance testing position of the thermostat is around 3.5-5.



Lit Door "Logo" Switch

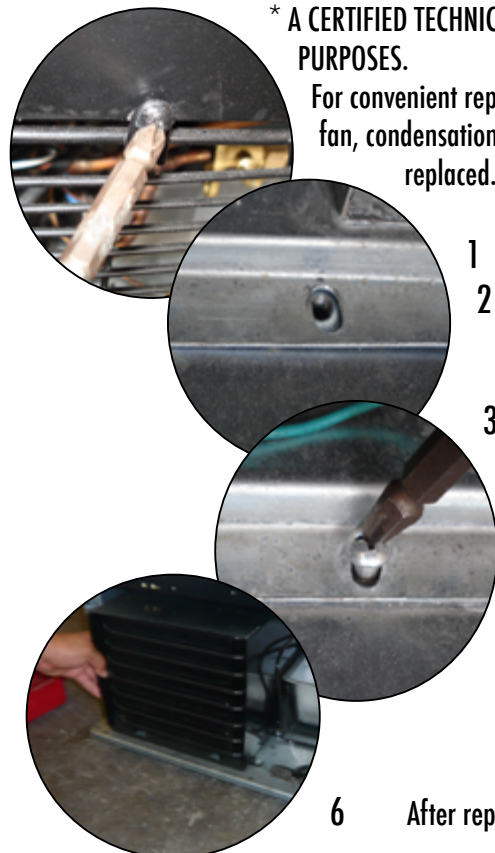
Operation

- The light switch located at the rear of the cabinet on the right-hand side is the ON/OFF switch for the Lit logo located on the door of the cooler.

REPAIR AND MAINTENANCE FOR REFRIGERATION DRAWER

* A CERTIFIED TECHNICIAN IS REQUIRED TO REPAIR ALL REFRIGERATION COMPONENTS FOR WARRANTY PURPOSES.

For convenient repair, the refrigeration components (compressor, evaporator, condenser, evaporation fan, condensation fan and filter) are designed using a split system; any component can be easily replaced. Replacement procedure is as follows:



- 1 Unplug the unit.
- 2 Remove the screws from the front grill, and then remove the grill.
- 3 Unplug all connections and terminals that are in need of repair.
- 4 Using a screwdriver, remove screws from component.
- 5 Slide the Refrigeration Drawer out to easily access refrigeration components. Remove the component to replace or repair.
- 6 After repair, re-install all parts using the reverse procedure.

CONDENSER MAINTENANCE

It is essential to keep the condenser coils clean and free of dust and debris at all times. It is required to periodically clean the condenser coils with a soft bristle brush or vacuum-cleaner to properly maintain the refrigeration system. Failure to clean the condenser at regular intervals may cause failure of the refrigeration system and could void the warranty.



1 Remove the rubber cap from the front Grill.

2 Using a small Phillips head screwdriver, remove the two screws as shown above.

3 The front plastic grill can now be removed by pulling it up.

4 Using plastic bristle brush, carefully clean the coil being aware that coils can bend or be damaged if too much force is used - shown below.

5 Replace grill and utilize the Phillips screwdriver to tighten the screws into place, replace the rubber caps.

MAINTENANCE

Cleaning

- Unplug the cooler before cleaning.
- Use a soft cloth or sponge with water or soap (non-corrosive mild detergent). After cleaning, wipe the cooler using a dry cloth to prevent the cooler from rusting.
- Do not spray water on the cooler, and do not use hard or steel brushes to clean the cooler.
- Do not use organic solvents, boiling water, washing powders or acids while cleaning.

If the cooler will be in a non-operational state for a long period of time, clean as instructed above, and keep the door open until interior is dry.

TROUBLESHOOTING

The following are not Malfunctions:

Issues	Solutions
Liquid flowing noise within cooler	This liquid is the sound of the cooling agent flowing through the pipes.
Refrigeration system is shutdown for longer periods of time while temperature inside is still very low.	This refrigerator has a strong level of heat preservation and can maintain a relatively ambient temperature.
Condensation on glass door	This may be due to a high indoor humidity or a low inside temperature value may be set. Wipe the door dry with a towel.

- 1 This refrigerator has been designed and manufactured according to National standards. If there are any questions during use, refer to this operation manual to help troubleshoot problems.
- 2 When disposing of the cooler, please remove the door and lock assembly to avoid children accidentally becoming trapped inside the cooler.

AFTER SALES SERVICE

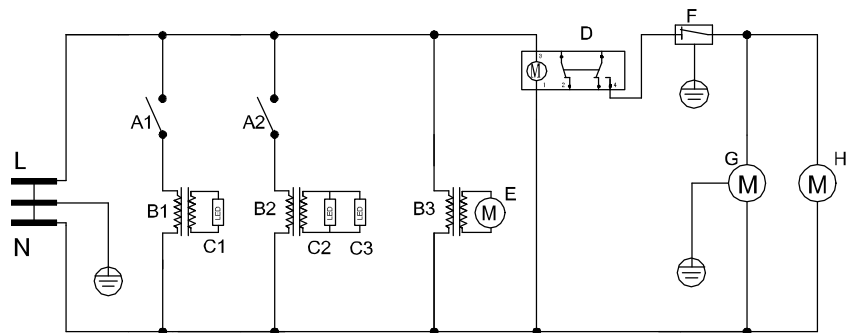
Any product has the possibility of malfunction. Please observe the cooler's operation and any changes to product being stored. If there are any abnormal cases, refer to the table below. If there is still no change after following the below instructions, please inform our service center in a timely manner to avoid a further loss of the unit.

Issues	Solutions
Cooler is not functioning.	Please check power supply: <ul style="list-style-type: none"> • Fuse damage • The plug is not securely inserted into the wall socket • Check for low voltage
Cooler is not keeping product cool.	<ul style="list-style-type: none"> • Provide ample space between all products to ensure proper circulation of air. • Keep unit away from direct sunlight or other heating source. • Keep door closed as often as possible. • Be certain cooler is not touching external objects or walls.
Excessive noise	<ul style="list-style-type: none"> • Be certain the cooler is placed on a level surface. • Be certain cooler is not touching external objects or walls.

SPECIFICATIONS

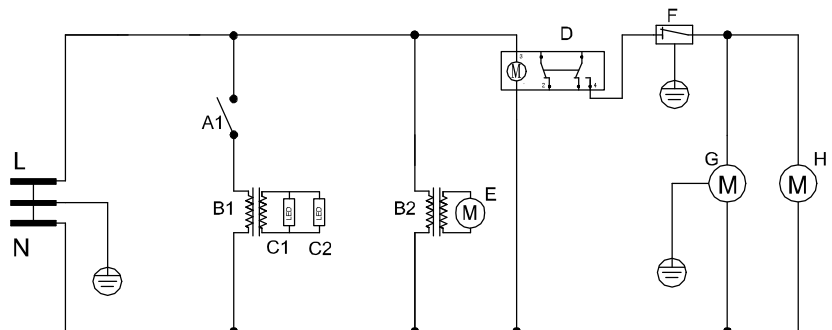
Model:	GCG-10 Upright Cooler
Power Supply (V/Hz):	110V/60Hz
Dimension (W x D x H):	25.25" x 26" x 54"
Box Dimension (W x D x H):	28" x 27.5" x 58.25"
Maximum Load Per Shelf:	
NSF-7 Standard:	This equipment is intended for the storage and display of non-potentially hazardous bottled or canned products only.

CIRCUIT DIAGRAM Model GCG-10-N33EB



- A1. On/Off Switch for door logo light
- A2. On/Off Switch for door and interior light
- B1. Transformer for door logo light
- B2. Transformer for door and interior light
- B3. Transformer for evaporator fan
- C1. Door logo light
- C2. Door light
- C3. Interior light
- D. Defrost timer
- E. Evaporator fan
- F. Thermostat
- G. Compressor
- H. Condenser fan

CIRCUIT DIAGRAM Model G-10-N33EB



- A1. On/Off Switch for door and interior light
- B1. Transformer for door and interior light
- B2. Transformer for evaporator fan
- C1. Door light
- C2. Interior light
- D. Defrost timer
- E. Evaporator fan
- F. Thermostat
- G. Compressor
- H. Condenser fan



Innovative DisplayWorks, Inc.

To locate the distributor in your area go to: <http://www.idw.global/contact#distributors>