



# Installation & Operation Manual

Flat Top Bottle Cooler

BC Series



BC72 shown



Form No. Z2295  
Rev. 04.05.2018



BC24 shown



BC72 shown

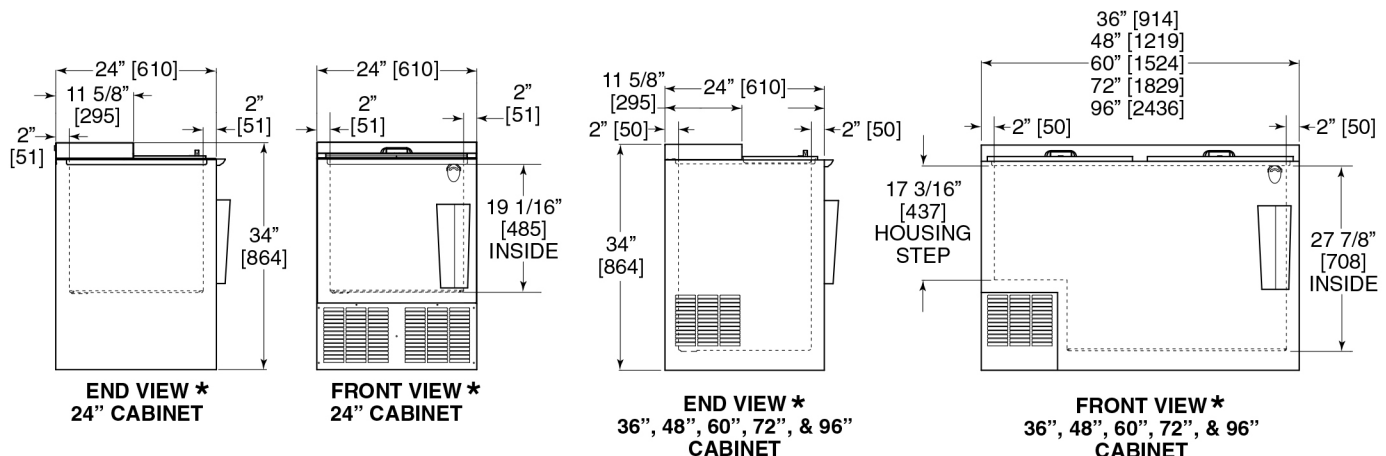
|           |  |
|-----------|--|
| JOB       |  |
| AREA      |  |
| ITEM NO.  |  |
| MODEL NO. |  |

|               |
|---------------|
| BC24 SERIES   |
| BC36 SERIES   |
| BC48 SERIES   |
| BC48LT SERIES |
| BC60 SERIES   |
| BC60LT SERIES |
| BC72 SERIES   |
| BC72LT SERIES |
| BC96 SERIES   |

\* BC36 Model Only



| MODEL NUMBERS                          | BC24                                                                                                                                                                                                                                                                                                                                                                   | BC36        | BC48/BC48LT  | BC60/BC60LT  | BC72/BC72LT  | BC96         |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|--------------|--------------|--------------|
| LENGTH (mm)                            | 24" (610)                                                                                                                                                                                                                                                                                                                                                              | 36" (915)   | 48" (1219)   | 60" (1524)   | 72" (1828)   | 96" (2438)   |
| INTERIOR CU. FT. (m <sup>3</sup> )     | 3.75 (0.10)                                                                                                                                                                                                                                                                                                                                                            | 7.83 (0.22) | 11.68 (0.33) | 15.53 (0.44) | 19.38 (0.55) | 27.08 (0.77) |
| CASE CAPACITY (12 bottles)             | 5.5                                                                                                                                                                                                                                                                                                                                                                    | 9.75        | 17.2         | 21           | 28.3         | 41           |
| CASE CAPACITY (12 cans)                | 7.0                                                                                                                                                                                                                                                                                                                                                                    | 16          | 25           | 30           | 36           | 58           |
| CONDENSING UNIT H.P.                   | 1/5                                                                                                                                                                                                                                                                                                                                                                    | 1/5         | 1/4          | 1/4          | 1/3          | 1/3          |
| AMPS                                   | 3.2                                                                                                                                                                                                                                                                                                                                                                    | 3.0         | 5.2          | 7.0          | 6.9          | 7.6          |
| SHIPPING WEIGHT Lbs. (kg.)             | 190 (86)                                                                                                                                                                                                                                                                                                                                                               | 245 (111)   | 300 (136)    | 353 (160)    | 405 (184)    | 515 (235)    |
| INTERIOR                               | All models have stainless steel walls and floor.                                                                                                                                                                                                                                                                                                                       |             |              |              |              |              |
| EXTERIOR                               | Choice of black, stainless steel and all stainless.<br>Black Option: Front and ends are black vinyl coated steel, back and bottom are galvanized.<br>Stainless Steel Option: Front and ends are stainless steel, back and bottom are galvanized.<br>All Stainless Option: Front, ends, back and bottom are all stainless steel.                                        |             |              |              |              |              |
| TEMPERATURE (Approx. factory settings) | 38°F/Standard Model. 30°F Low-Temp Model                                                                                                                                                                                                                                                                                                                               |             |              |              |              |              |
| DOORS (Siding)                         | Stainless steel top and bottom pans. Die cast handle. Option locks.                                                                                                                                                                                                                                                                                                    |             |              |              |              |              |
| ELECTRICAL                             | 115V, 60Hz, 1 Phase. Furnished with 6 foot rubber plug-in cord (115V model only). Also available in 230V, 50Hz, 1 phase AC.                                                                                                                                                                                                                                            |             |              |              |              |              |
| PLUMBING                               | No drain required. Condensate evaporates automatically.                                                                                                                                                                                                                                                                                                                |             |              |              |              |              |
| INSULATION                             | 2 inch foamed-in-place polyurethane insulation.                                                                                                                                                                                                                                                                                                                        |             |              |              |              |              |
| REFRIGERATION                          | R134a capillary tube/type with hermetic condensing unit. Pulls out for service and cleaning.                                                                                                                                                                                                                                                                           |             |              |              |              |              |
| VENTILATION                            | 2' model is front vented, all other models require 2" clearance from wall on either left end or back of cabinet for proper air flow.                                                                                                                                                                                                                                   |             |              |              |              |              |
| OPTIONAL ACCESSORIES                   | <ul style="list-style-type: none"> <li>• Floor racks</li> <li>• Casters</li> <li>• Bottle opener and receiver</li> <li>• Interior light</li> <li>• Bin dividers</li> <li>• Speed rails</li> <li>• Wine temperature (specify red or white)</li> <li>• Door locks</li> <li>• Interior light kits</li> <li>• Adjustable legs</li> <li>• Roller basket shelving</li> </ul> |             |              |              |              |              |



\* Shown with optional opener and receiver.

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## GENERAL INFORMATION

### Introduction

This manual has been prepared to assist you in the installation of your Bottle Cooler and to acquaint you with its operation and maintenance.

We dedicate considerable time to ensure that our products provide the highest level of customer satisfaction. If service is required, call Perlick at 1-800-777-7267 or your dealer who can provide you with a list of qualified service agents. For your own protection, never return merchandise for credit without our approval.

We thank you for selecting a Perlick product and assure you of our continuing interest in your satisfaction.

### Warranty

To register your product, visit our web site at [www.perlick.com](http://www.perlick.com). Click on "Commercial", then "Service". Click on the link "Warranty Registration Form". You must complete and submit this form or the installation date will revert back to the ship date.

Please record the purchase date and the dealer's name, address and telephone number below.

Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

Dealer Name & Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone Number \_\_\_\_\_

## SAFETY

PLEASE READ all instructions completely before attempting to install or operate the unit. Take particular note of the DANGER, WARNING and CAUTION information in the manual. The information is important for the safe and efficient installation, operation and care of your Perlick unit.

**⚠ DANGER** Indicates a hazard that **WILL** result in serious injury or death if precautions are not followed.

**⚠ WARNING** Indicates a hazard **MAY** cause serious injury or death if precautions are not followed.

**⚠ CAUTION** Indicates a hazard where minor injury or product damage may occur if precautions are not followed.

### IMPORTANT!

Read and understand all information in this manual before attempting the installation.  
All plumbing and electrical work must be performed by a qualified technician and conform to all applicable state and local codes.

Perlick is committed to continuous improvement. Therefore, we reserve the right to change specifications without prior notice.

## PREPARING THE CABINET - FLAT TOP BOTTLE COOLERS

### Uncrating and Inspection

Remove all crating material. Carefully inspect cabinet for hidden damage. If damage is discovered, file your claim immediately with the transport company. Perlick is not responsible for damage in transit.

### Plumbing

No plumbing connections are required. Condensate from the cooling coil automatically evaporated through a condensate pan located in the condensing unit section.

### Electrical

The cabinet must be connected to a separately fused power source (see Electrical Specification Plate affixed to unit) in accordance with National and Local electrical codes.

**CAUTION** Do not attempt to operate the equipment on any other power source than that listed on the Electrical Specification Plate.

### Adjustable Partitions & Shelving

Perlick Bottle Coolers may be provided with adjustable partitions and shelving which will accommodate various bottle sizes.

- Remove bottles and cans from their cases before placing in cooler to ensure proper air flow.
- On 2' and 3' models keep air intake open for proper circulation.

### Installing Casters or Legs (optional)

Attach casters or legs to the cabinet bottom in holes provided. Use the supplied 1/4" - 20 hex head self-tapping machine screws. If unit is tipped on its back for an extended period of time, wait 24 hours after unit is uprighted to plug the unit in.

### Placing the Cabinet

To assure maximum performance, fresh air must be allowed to circulate through the machinery compartment. It is important to allow at least two inches of clearance at the back or left end of the cabinet. Do not place anything in front of the cabinet that would obstruct air flow at these grilles. Do not place the unit in an unventilated small room.

**CAUTION** Removing the factory installed back clearance spacers without providing proper left side grill clearance for compressor air flow will void the warranty.

Cabinet should be leveled.

For sanitation purposes, it may be necessary to seal the base of the cabinet to the floor. This can be accomplished by laying a bead of silicone sealant along the base of the cabinet as shown by the figure below (figure 1).

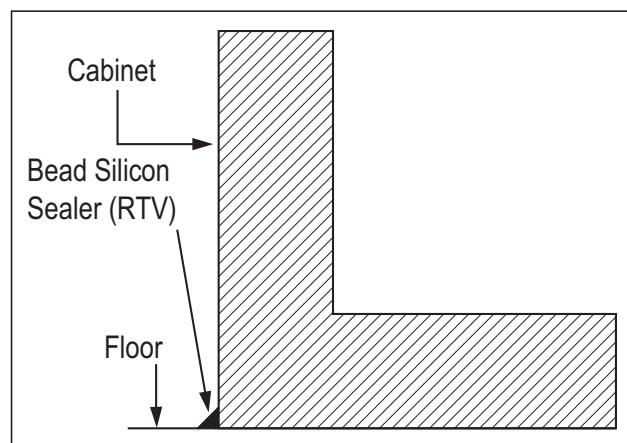


Figure 1. Sealing Cabinet to Floor

## HOW TO OPERATE - FLAT TOP BOTTLE COOLERS

### Temperature Control

An adjustable temperature control is located inside the Bottle Cooler on the evaporator fan panel assembly. It is factory set at approximately 38°F for standard refrigeration and approximately 30°F for low temperature models. Make adjustments as detailed below to attain the desired temperature. NOTE: A temperature setting that is too low will not allow enough condensing unit "off" time to maintain a frost-free coil.

- **Colder Temperatures:** Turn the adjusting screw clockwise (to the right)
- **Warmer Temperatures:** Turn the adjusting screw counterclockwise (to the left).
- **Temperature Control "OFF":** Turn the adjusting screw completely counterclockwise to the "O" position until a "click" is noted.

The condenser fan motor turns off and on with compressor. The evaporator fan motor runs continuously.

### Cleaning the Condenser

- The condenser (located behind the front grille) should be inspected every 30 days, and cleaned, if necessary. Failure to keep the condenser clean will cause a loss in condensing unit efficiency, or compressor failure.

### Cleaning the Doors

- Doors should be periodically removed from the cabinet and inspected for a buildup of foreign materials, such as syrups, beer, etc. Buildups on the underside of the doors, along with the cabinet breaker strips on

which they ride, will cause them to bind, and therefore, not function as designed. If dirty, these surfaces should be cleaned with a mild detergent and water and then coated with a silicone lubricating material. Aerosol silicone sprays can be obtained locally at most hardware or automotive stores.

### To remove doors:

- With door closed, lift it upward by its handle and slide forward until doors clears the cabinet top. Use the reverse procedure to reinstall the doors.

### Cleaning the Cabinets

- Use a damp cloth with a mild detergent and water to clean the inside and outside of the cabinet. Dry thoroughly. Do not allow cleaning agents or large amounts of water to go down the drain. Use an acceptable stainless steel polish to clean all stainless steel surfaces. Never use steel wool or scouring pads to clean stainless steel.

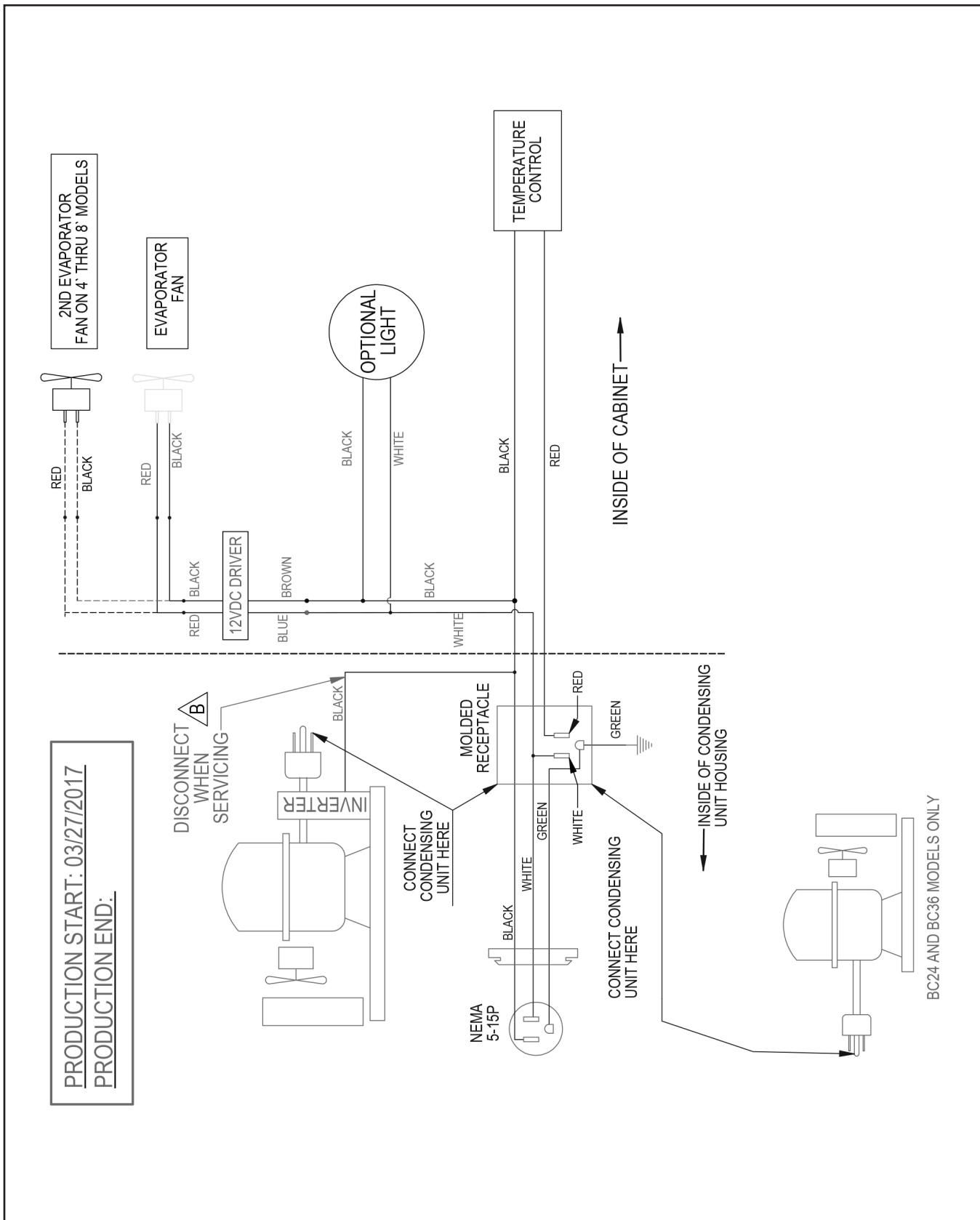
### Avoiding Stainless Steel Corrosion

Corrosion can be prevented by following product cautions, cleaning instructions and avoiding use of certain chemicals or objects which will cause stainless steel corrosion.

### STAINLESS STEEL ENEMY

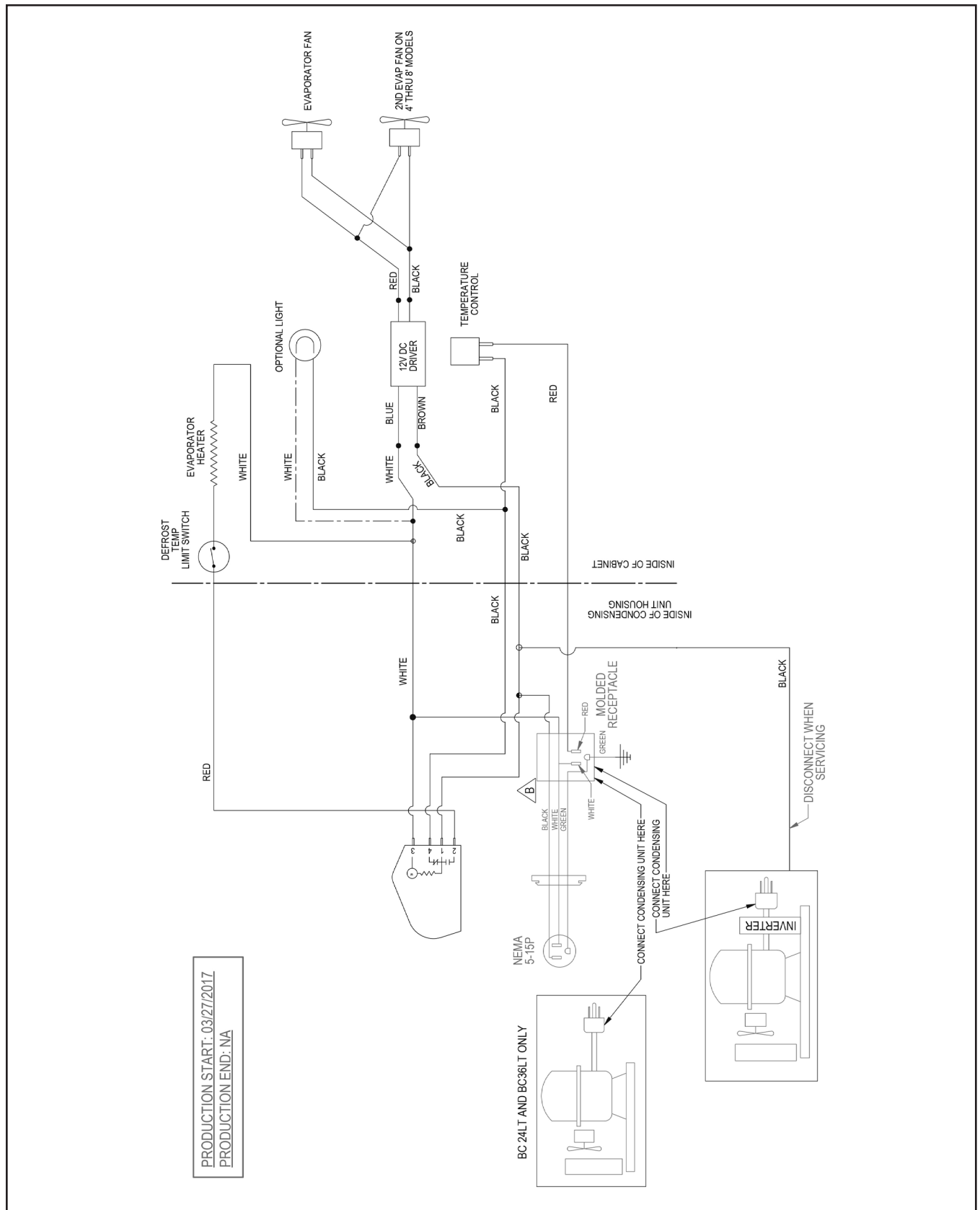
- Steel wool or steel scouring pads
- Cherry/Orange/Olive juice
- Chlorine Bleach
- Sharp Objects

## WIRING DIAGRAM - FLAT TOP BOTTLE COOLERS



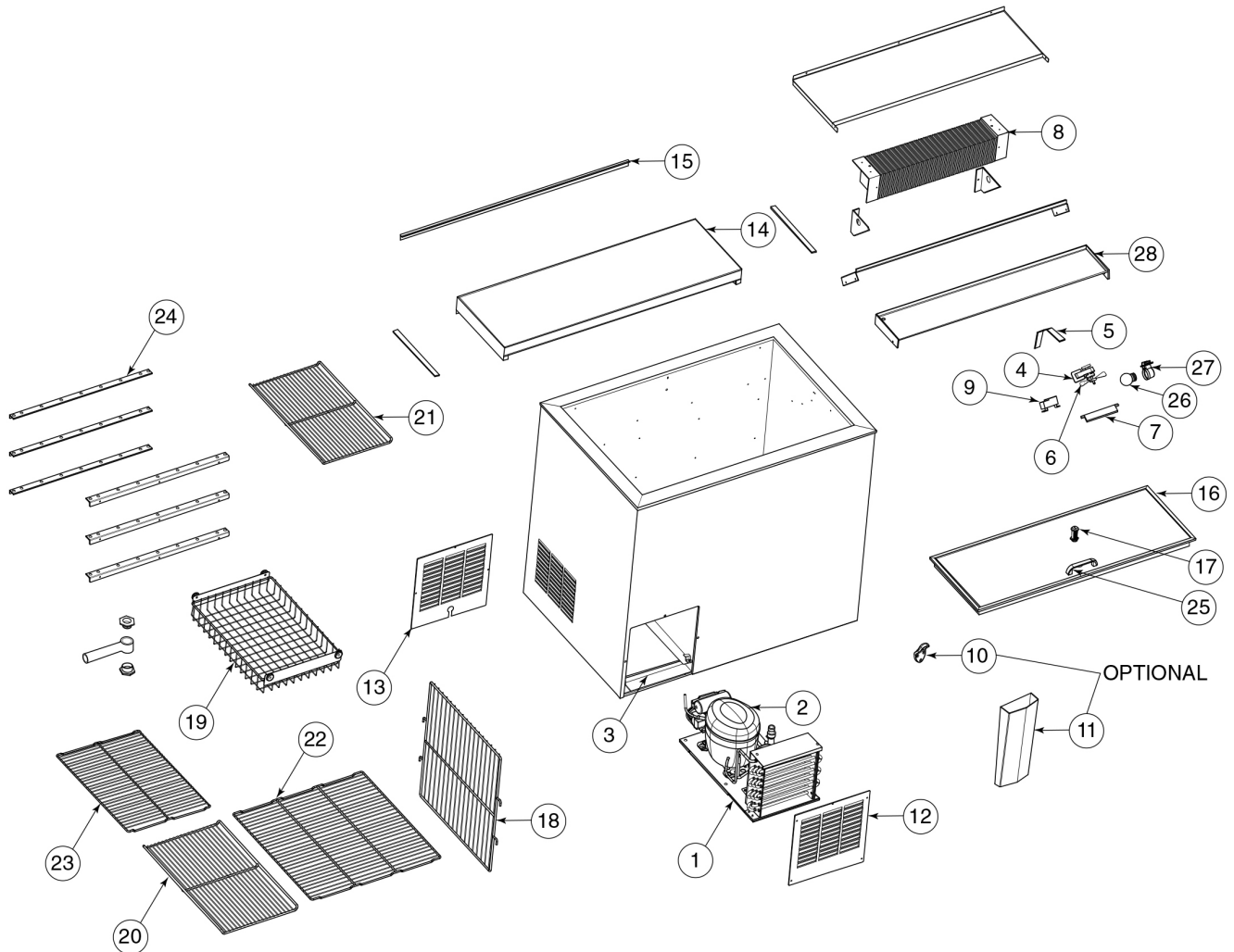
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## WIRING DIAGRAM - LOW-TEMP BOTTLE COOLERS



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## REPLACEMENT PARTS - FLAT TOP BOTTLE COOLERS



## CAUTION

- Service should be done by a qualified refrigeration technician.
- Disconnect all power before servicing the cabinet.

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## REPLACEMENT PARTS - FLAT TOP BOTTLE COOLERS

| MODEL NOS.      |                                                 | BC24         | BC36       | BC48/<br>BC48LT | BC60/<br>BC60LT | BC72/<br>BC72LT | BC96        |
|-----------------|-------------------------------------------------|--------------|------------|-----------------|-----------------|-----------------|-------------|
| Item            | Description                                     | Part Numbers |            |                 |                 |                 |             |
| 1               | Complete condensing unit                        | C22648       | C22648     | C22647          | C22646          | C22646          | C22646      |
| 2               | Replacement compressor, R134a                   | 513307046    | 513307046  | 513200314UA2    | 513200003       | 513200003       | 513200003   |
|                 | Condensing unit fan motor assy.                 | 515315009    | 515315009  | 515315009       | 515315009       | 515315009       | 515315009   |
|                 | Terminal Board                                  | 519100088    | 519100088  | 519100088       | 519100088       | 519100088       | 519100088   |
|                 | Overload Protector                              | 513634530    | 513634530  | US-PB10HBX1     | US-PB12HBX1     | US-PB12HBX1     | US-PB12HBX1 |
|                 | Relay                                           | 513514069    | 513514069  | US-PB10HBX1     | US-PB12HBX1     | US-PB12HBX1     | US-PB12HBX1 |
|                 | Start capacitor                                 | N/A          | N/A        | US-PB10HBX1     | US-PB12HBX1     | US-PB12HBX1     | US-PB12HBX1 |
| 3               | Condensate pan                                  | 64537        | 64626-1    | 64626-1         | 64626-1         | 64626-1         | 64626-1     |
| 4               | Evaporator fan motor(s)                         | C15239A      | C15239A    | C15239A         | C15239A         | C15239A         | C15239A     |
| 5               | Evaporator fan motor bracket                    | 65671-1      | 65671-1    | 60988-1         | 60988-1         | 60988-1         | 60988-1     |
| 6               | Evaporator fan motor blade                      | 63461        | 63461      | 57699           | 57699           | 57699           | 57699       |
| 7               | Evaporator fan guard                            | 65666        | 65666      | 65557           | 65557           | 65557           | 65557       |
| 8               | Evaporator coil                                 | 64785-1EP    | C17511-1EP | C17511-1EP      | C17511-2EP      | C17511-2EP      | C17511-2EP  |
| 9               | Temperature control                             | 61283        | 61283      | 61283           | 61283           | 61283           | 61283       |
| 10              | Bottle opener                                   | C6713-1      | C6713-1    | C6713-1         | C6713-1         | C6713-1         | C6713-1     |
| 11              | Bottle cap receiver                             | C17332SS     | C17332SS   | C17332SS        | C17332SS        | C17332SS        | C17332SS    |
| 12              | Front grille                                    | 66498-3A     | 65662-1A   | 65662-A1        | 65662-1A        | 65662-1A        | 65662-1A    |
| 13              | Rear grille/panel                               | 66498-1      | 65662-3    | 65662-3         | 65662-3         | 65662-3         | 65662-3     |
| 14              | Top assembly                                    | RT-SL2       | RT-SL2     | RT-SL2          | RT-SL2          | RT-SL2          | RT-SL2      |
| 15              | Top wiper gasket                                | 63671-24     | 63671-36   | 63671-48        | 63671-60        | 63671-72        | 63671-96    |
| 16              | Door assembly                                   | RD-SL2       | RD-SL2     | RD-SL2          | RD-SL2          | RD-SL2          | RD-SL2      |
| 17              | Lock assembly                                   | 63940        | 63940      | 63940           | 63940           | 63940           | 63940       |
| 18              | Vertical partition                              | 65503        | 66441      | 66441           | 66441           | 66441           | 66441       |
| 19              | Roller basket                                   | N/A          | 66442-1    | 66442-1         | 66442-1         | 66442-1         | 66442-1     |
| 20              | Wide shelf                                      | N/A          | 64811-1    | 64811-1         | 64811-1         | 64811-1         | 64811-1     |
| 21              | Narrow shelf                                    | 64809-1      | 64809-1    | 64809-1         | 64809-1         | 64809-1         | 64809-1     |
| 22              | Bottom floor rack (wide)                        | 64814-1      | 64814-1    | 64814-1         | 64814-1         | 64814-1         | 64814-1     |
| 23              | Bottom floor rack (narrow)                      | N/A          | N/A        | 64815-1         | 64815-1         | 64815-1         | N/A         |
| 24              | Shelf bracket                                   | 65653-24     | 65653-36   | 65653-48        | 65653-60        | 65653-72        | 65653-96    |
| 25              | Door handle                                     | 63931        | 63931      | 63931           | 63931           | 63931           | 63931       |
| 26              | Light Bulb                                      | C15046       | C15046     | C15046          | C15046          | C15046          | C15046      |
| 27              | Light socket                                    | 63484        | 63484      | 63484           | 63484           | 63484           | 63484       |
| 28              | Evaporator drain pan                            | 65670-24     | 65670-36   | 65526-1SL       | 65526-2SL       | 65526-2SL       | 65526-2SL   |
| ITEMS NOT SHOWN |                                                 |              |            |                 |                 |                 |             |
|                 | Wire harness, main                              | 65043-1      | 65043-1    | 65044-1         | 65044-1         | 65044-1         | 65044-1     |
|                 | Suction line/cup tube heat exchanger with drier | 65072        | 65072      | 65073           | 65075           | 65074           | 65220       |
|                 | Mullion assembly                                | N/A          | N/A        | 66551           | 66551           | 66551           | 66551       |
|                 | Refrigerant charge (oz. R134a)                  | 6.0          | 8.5        | 9.0             | 9.0             | 9.0             | 9.0         |

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