


**HIGHLIGHT**  
merchandise®

## Highlight Merchandiser® RHMC30T Remote Specs

### Medium Temp Tall Reach-In Remote Display Cases

1-Door through 5-Door Cases, Back-to-Back (BB) Cases

#### Applications



Beverage



Dairy



Deli



Produce



Meat

### Quick Specs

#### Energy (Btu/h per Door)\*

Standard: 475 at 28°F Evaporator

\*when used with parallel rack system

#### Merchandising (Per Door)

 Facings: 73.5 ft<sup>2</sup>

 Packout: 147 ft<sup>3</sup> with 30 x 24" deep shelves

### Features & Options

#### Go Green

 Remote cases ready for CO<sub>2</sub>. 90-bar rating available.

#### High Humidity

Control climate challenges with advanced humidity package

#### CoolView® Doors

30" wide x 73" tall CoolView® Envision® Doors

#### LED Lighting

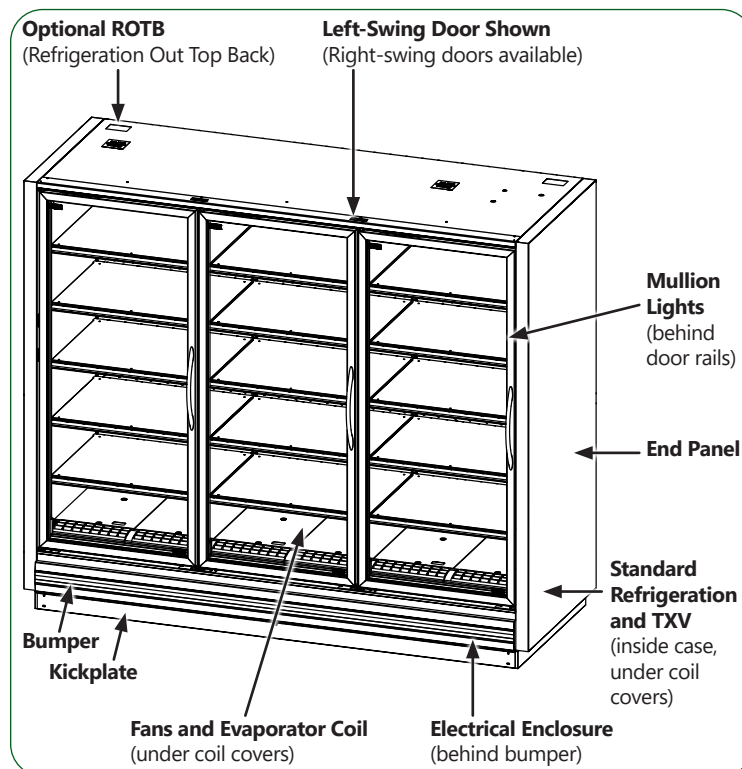
ChillBrite® 3500K or 4000K LED Lighting

#### Additional Models

The Highlight® medium temp lineup offers a standard, tall and back-to-back case.

#### Hybrid™ Display Case

Available as Hybrid™ cases. See separate spec sheet.



Manuals and Instructions:

<https://www.zero-zone.com/rhmc-rhlc>


#### Contact Us:

800-247-4496

[www.zero-zone.com](http://www.zero-zone.com)

Specifications are subject to change without notice. All dimensions are nominal.  
Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.



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## Refrigeration Data



| Set Points                                   | °F |
|----------------------------------------------|----|
| Evaporator Temperature <sup>1</sup>          | 28 |
| Discharge Air Temperature (w/ 8°F Superheat) | 33 |

Notes:

1. For high-glide refrigerants, use dew point for unit sizing. Adjust evaporator pressure as needed to maintain discharge air temperatures.



| Energy Use with Parallel Rack System <sup>2</sup> | Lineup Data  | Individual Case Data (includes 1 pair of end panels) |        |        |        |
|---------------------------------------------------|--------------|------------------------------------------------------|--------|--------|--------|
|                                                   | Per Door Avg | 2-Door                                               | 3-Door | 4-Door | 5-Door |
| RHMC30T Baseline Btu/h                            | 475          | 1,050                                                | 1,525  | 2,000  | 2,475  |
| RHMC30TBB Baseline Btu/h (Each Side)              | 430          | ---                                                  | 1,405  | 1,840  | 2,275  |
| Energy Use with Condensing Unit <sup>2</sup>      | Per Door Avg | 2-Door                                               | 3-Door | 4-Door | 5-Door |
| RHMC30T Baseline Btu/h                            | 515          | 1,135                                                | 1,650  | 2,160  | 2,675  |
| RHMC30TBB Baseline Btu/h (Each Side)              | 475          | ---                                                  | 1,515  | 1,990  | 2,455  |
| Btu/h Adders                                      | Per Door Avg | 2-Door                                               | 3-Door | 4-Door | 5-Door |
| Anti-Sweat High-Humidity Package                  | 130          | 260                                                  | 390    | 520    | 650    |
| Btu/h Adders                                      | Per Case Avg |                                                      |        |        |        |
| Glass Windowed End Panel (Each) <sup>3</sup>      | 175          |                                                      |        |        |        |

Notes:

2. Baseline Evaporator Btu/h based on LED lighting (Zero Zone ChillBrite 4000K), standard-energy doors (Zero Zone CoolView® Envision®), and ECM or SSC electronic fan motors.
3. Glass windowed end panels only available with 2 1/2" end panels.

| Glycol Data <sup>4</sup> | 2-Door | 3-Door | 4-Door | 5-Door |
|--------------------------|--------|--------|--------|--------|
| Flow Rate (GPM)          | 0.8    | 1.2    | 1.6    | 2.0    |
| Pressure Drop (PSIG)     | 5.6    | 4.9    | 3.1    | 2.7    |

Notes:

4. All glycol data based on 35% Polyethylene Glycol by weight, 20°F Supply Temperature, and 24°-26°F Outlet Temperature.



| Refrigeration Piping: R-404A & R-448A <sup>4</sup> | Outlet Size (in.) |        |        |        |
|----------------------------------------------------|-------------------|--------|--------|--------|
|                                                    | 2-Door            | 3-Door | 4-Door | 5-Door |
| Suction Line O.D. (Standard Refrigeration Exit)    | 1/2               | 1/2    | 1/2    | 1/2    |
| Suction Line O.D. (Top Refrigeration Exit)         | 3/8               | 3/8    | 1/2    | 1/2    |
| Liquid Line O.D.                                   | 1/4               | 1/4    | 3/8    | 3/8    |
| Refrigeration Piping: CO <sub>2</sub> <sup>5</sup> | 1-Door            | 2-Door | 3-Door | 4-Door |
| Suction Line O.D. (Standard Refrigeration Exit)    | 3/8               | 3/8    | 3/8    | 3/8    |
| Suction Line O.D. (Top Refrigeration Exit)         | 3/8               | 3/8    | 3/8    | 3/8    |
| Liquid Line O.D.                                   | 1/4               | 1/4    | 1/4    | 1/4    |

Notes:

5. Read the Installation & Operation Manual for more about refrigeration piping to properly size individual risers for circuits of more than one case.



## Electrical & Energy Data <sup>6</sup>



|                                               | Per Door Avg |              | 2-Door      |              | 3-Door      |              | 4-Door      |              | 5-Door      |              |
|-----------------------------------------------|--------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| Number of Fans                                |              |              | 2           |              | 3           |              | 4           |              | 5           |              |
| <b>Fan Motors (115V)</b>                      | <b>Amps</b>  | <b>Watts</b> | <b>Amps</b> | <b>Watts</b> | <b>Amps</b> | <b>Watts</b> | <b>Amps</b> | <b>Watts</b> | <b>Amps</b> | <b>Watts</b> |
| High-Efficiency Electronic (ECM or SSC)       | 0.70         | 12           | 1.40        | 24           | 2.10        | 36           | 2.80        | 48           | 3.50        | 60           |
| <b>Lighting System (120V)</b>                 | <b>Amps</b>  | <b>Watts</b> | <b>Amps</b> | <b>Watts</b> | <b>Amps</b> | <b>Watts</b> | <b>Amps</b> | <b>Watts</b> | <b>Amps</b> | <b>Watts</b> |
| LED Lighting                                  | 0.16         | 19           | 0.32        | 38           | 0.48        | 58           | 0.64        | 77           | 0.79        | 96           |
| <b>Anti-Sweat Heat (115V) <sup>7, 8</sup></b> | <b>Amps</b>  | <b>Watts</b> | <b>Amps</b> | <b>Watts</b> | <b>Amps</b> | <b>Watts</b> | <b>Amps</b> | <b>Watts</b> | <b>Amps</b> | <b>Watts</b> |
| Standard-Energy Doors (CoolView® Envision)    | 0.17         | 20           | 0.35        | 40           | 0.52        | 60           | 0.70        | 80           | 0.87        | 100          |
| High-Humidity Package (CoolView® Envision)    | 0.61         | 70           | 1.22        | 140          | 1.83        | 210          | 2.43        | 280          | 3.04        | 350          |
| Solid Doors (CoolView® Envision)              | 0.17         | 20           | 0.35        | 40           | 0.52        | 60           | 0.70        | 80           | 0.87        | 100          |

Notes:

6. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.

7. Standard doors include mullion heat.

8. High-humidity package includes 10% increase in glass heat and mullion heat.

## Physical Data



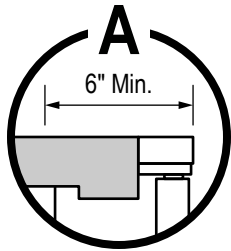
| <b>Merchandising</b>                                      | <b>2-Door</b> | <b>3-Door</b> | <b>4-Door</b> | <b>5-Door</b> |
|-----------------------------------------------------------|---------------|---------------|---------------|---------------|
| Facings (ft. <sup>2</sup> )                               | 29.4          | 44.1          | 58.8          | 73.5          |
| Packout (ft. <sup>3</sup> ) 22" Shelves                   | 54.7          | 82.1          | 109.3         | 136.7         |
| Packout (ft. <sup>3</sup> ) 24" Shelves                   | 58.8          | 88.2          | 117.5         | 147.0         |
| <b>Shipping Weight without End Panels</b>                 | <b>2-Door</b> | <b>3-Door</b> | <b>4-Door</b> | <b>5-Door</b> |
| RHMC30 Weight (lbs.)                                      | 755           | 1,055         | 1,420         | 1,800         |
| RHMC30BB Weight (lbs.)                                    | ---           | 2,105         | 2,840         | 3,595         |
| <b>Shipping Weight with Solid End Panels <sup>9</sup></b> | <b>2-Door</b> | <b>3-Door</b> | <b>4-Door</b> | <b>5-Door</b> |
| RHMC30 Weight (lbs.)                                      | 815           | 1,115         | 1,480         | 1,860         |
| RHMC30BB Weight (lbs.)                                    | ---           | 2,225         | 2,960         | 3,715         |
| <b>Shipping Weight with Windowed End <sup>9</sup></b>     | <b>2-Door</b> | <b>3-Door</b> | <b>4-Door</b> | <b>5-Door</b> |
| RHMC30 Weight (lbs.)                                      | 865           | 1,165         | 1,530         | 1,910         |
| RHMC30BB Weight (lbs.)                                    | ---           | 2,325         | 3,060         | 3,815         |

Notes:

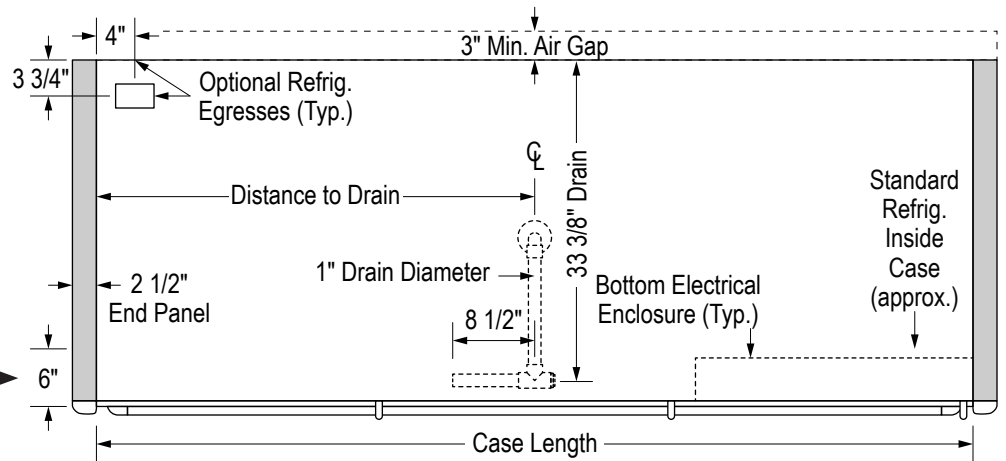
9. Each solid end panel: 30 lbs for RHLC30T or 60 lbs for RHLC30TBB. Each windowed end panel: 55 lbs. for RHLC30T or 110 lbs for RHLC30TBB.



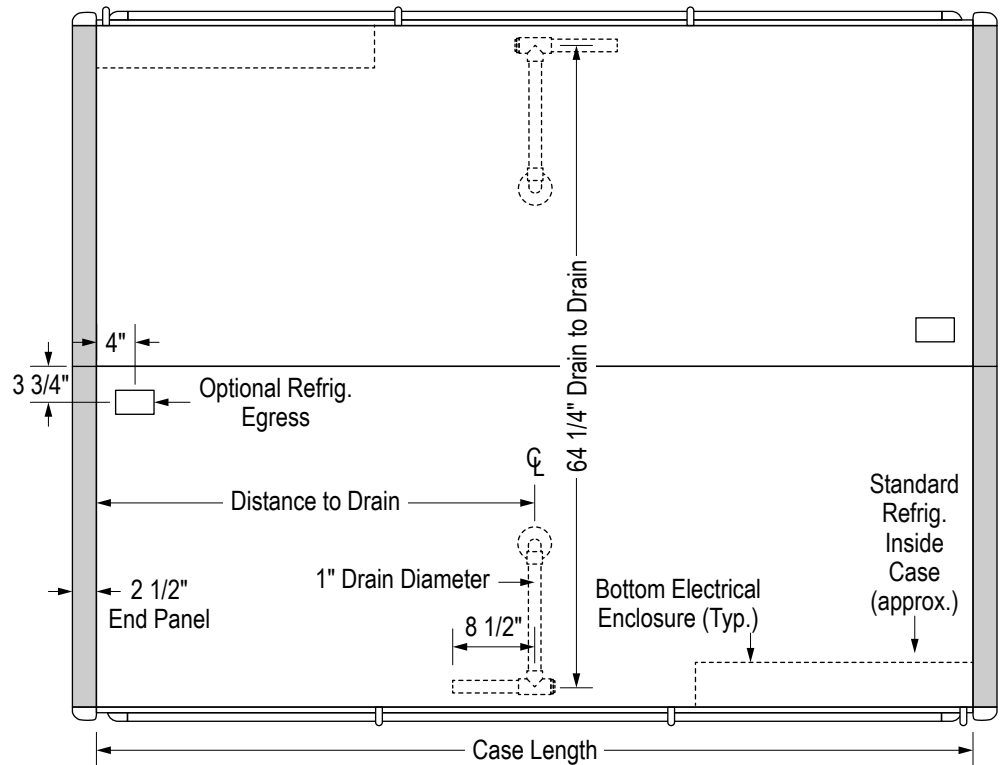
## RHMC30T Top View



Building soffits must be set back at least 6" from the front of the doors to allow access to electrical wiring on the top of the case.



## RHMC30TBB Back-to-Back Top View



## Case Dimensions



| Measurements                                    | 1-Door | 2-Door | 3-Door | 4-Door  | 5-Door  |
|-------------------------------------------------|--------|--------|--------|---------|---------|
| Case Length (in.) without End Panels            | 30 1/2 | 60 7/8 | 91 3/8 | 121 3/4 | 152 1/4 |
| Case Length (in.) with End Panels <sup>11</sup> | 35 1/2 | 65 7/8 | 96 3/8 | 126 3/4 | 157 1/4 |
| Distance to Drain (in.)                         | 15 1/4 | 30 1/2 | 45 5/8 | 60 7/8  | 76 1/8  |

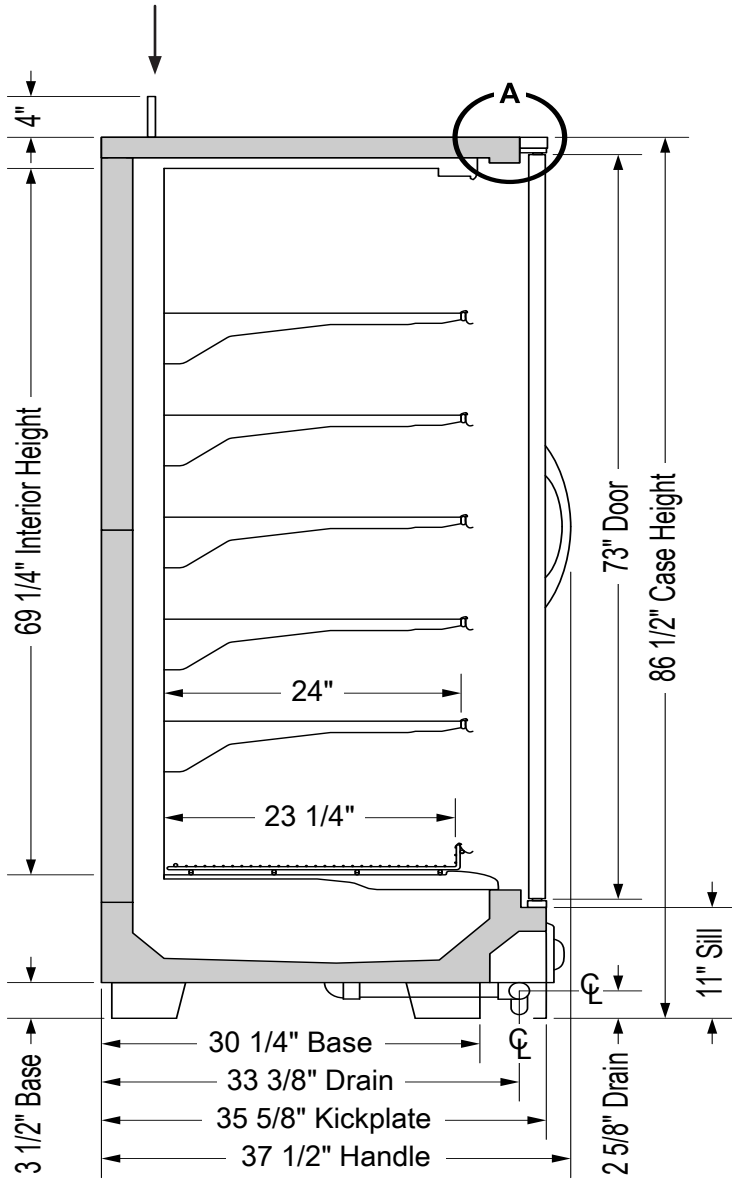
Notes:

11. Each end panel is 2 1/2" thick.



## RHMC30T End View

Optional Top Refrig.  
Connection

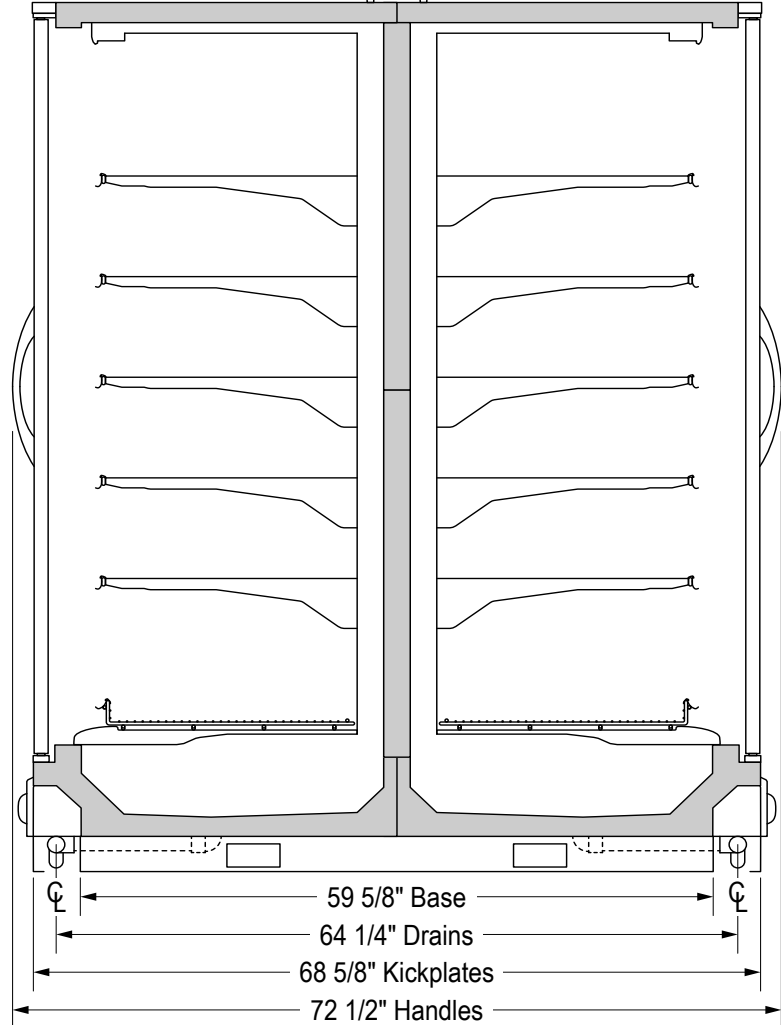


### Base Notes:

- Base height options available: 1 3/4", 3 1/2", or 6 1/2".
- Changing bases affects case height and shipping height.
- Drain height from the floor: 2 5/8" with 3 1/2" base.
- Use 1 3/4" tall bases to fit through 80" doorways (shipping height = 79 5/8"). These bases must use hat channel rails.

## RHMC30TBB Back-to-Back End View

Optional Top  
Refrig. Connections



### Shelf Notes:

- 22" or 24" deep shelves.
- 2-position (0°, 10°) or 4-position (0°, 5°, 10°, 15°) shelves
- Available with 6" tall bottom baskets instead of bottom wire racks.