



## Highlight Merchandiser® RHMC30 Remote Specs

### Medium Temp Reach-In Remote Display Cases

1-Door, 2-Door, 3-Door, 4-Door, and 5-Door Cases, Back-to-Back (BB) Cases

#### Applications



Beverage



Dairy



Deli



Produce



Meat

## Quick Specs

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

Standard: 440 at 28°F Evaporator

\*when used with parallel rack system

### Merchandising (5-Door)

Facings: 68.2 ft<sup>2</sup>

Packout: 136.4 ft<sup>3</sup> with 30" x 24" deep shelves

## Features & Options

### Go Green

Remote cases ready for CO<sub>2</sub> or synthetic refrigerants

### High Humidity

Control climate challenges with advanced humidity package

### CoolView® Doors

30" wide x 68" tall CoolView® Envision® Doors

### LED Lighting

ChillBrite® 4000K LED Lighting

### Back-to-Back Cases

Save on floor space and energy by choosing a back-to-back case.

### Additional Models

The Highlight® medium temp lineup offers a standard, tall and back-to-back case. 90 bar rating available.

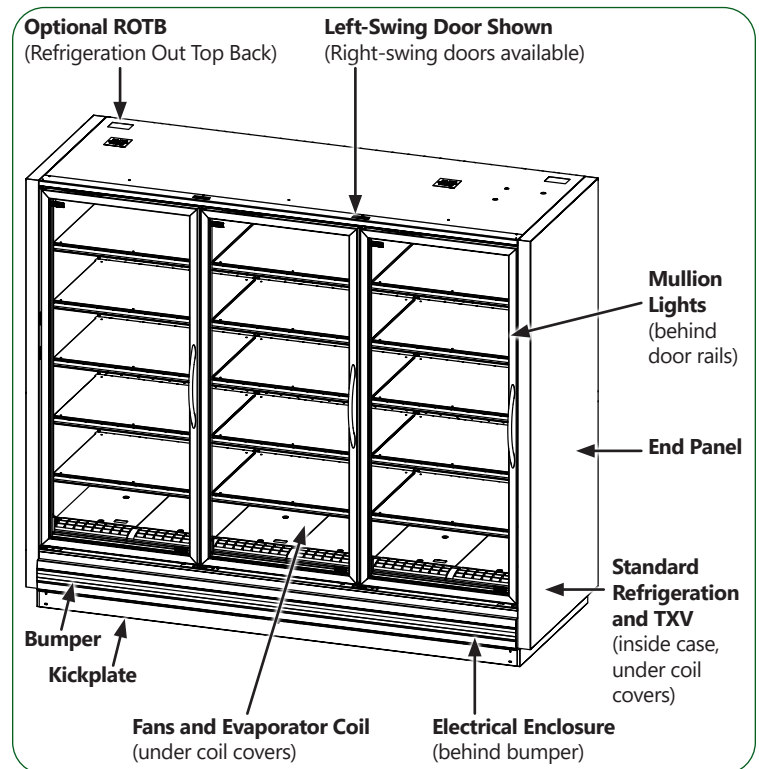
### Hybrid™ Display Case

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:

- 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	1-Door	2-Door	3-Door	4-Door	5-Door
RHMC30 Baseline Btu/h	440	490	990	1,430	1,870	2,310
RHMC30BB Baseline Btu/h (Each Side)	400	---	950	1,350	1,750	2,150
Energy Use with Condensing Unit <sup>2</sup>	Per Door Avg	1-Door	2-Door	3-Door	4-Door	5-Door
RHMC30 Baseline Btu/h	475	530	1,070	1,545	2,020	2,495
RHMC30BB Baseline Btu/h (Each Side)	430	---	1,025	1,460	1,890	2,320
Btu/h Adders	Per Door Avg	1-Door	2-Door	3-Door	4-Door	5-Door
Anti-Sweat High-Humidity Package	+120	+120	+240	+360	+480	+600
Btu/h Adders	Per Case Avg					
Glass Windowed End Panel (Each)	+175					

Notes:

- 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.

Glycol Data <sup>3</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:

- 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.)				
	1-Door	2-Door	3-Door	4-Door	5-Door
Suction Line O.D. (Standard Refrigeration Exit)	3/8	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. (Electric Defrost)	1/4	1/4	1/4	3/8	3/8
Refrigeration Piping: CO <sub>2</sub> <sup>4</sup>	1-Door	2-Door	3-Door	4-Door	5-Door
Suction Line O.D. (Standard Refrigeration Exit)	3/8	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. (Electric Defrost)	1/4	1/4	1/4	1/4	1/4

Notes:

- 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>5</sup>



	1-Door		2-Door		3-Door		4-Door		5-Door	
Number of Fans	1		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)	0.30	11	0.60	22	0.90	33	1.20	44	1.50	55
<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	0.15	18	0.29	35	0.44	53	0.59	70	0.73	88
<b>Anti-Sweat Heat (115V) <sup>6,7</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)	0.16	18	0.31	36	0.47	54	0.63	72	0.78	90
High-Humidity Package (CoolView Envision) <sup>7</sup>	0.57	66	1.14	131	1.71	197	2.29	263	2.86	329
Solid Doors (CoolView Envision)	0.16	18	0.31	36	0.47	54	0.63	72	0.78	90

Notes:

5. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.
6. Standard doors include glass heat and mullion heat.
7. High-humidity package includes 10% increase in glass heat, rail heat, and mullion heat. This package also includes an anti-sweat controller if in the United States or Territories.

## Physical Data



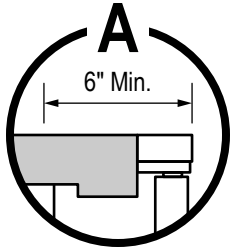
<b>Merchandising</b>	<b>1-Door</b>	<b>2-Door</b>	<b>3-Door</b>	<b>4-Door</b>	<b>5-Door</b>
Facings (ft. <sup>2</sup> )	13.6	27.3	40.9	54.5	68.2
Packout (ft. <sup>3</sup> ) 22" Shelves	25.4	50.0	75.0	100.0	125.0
Packout (ft. <sup>3</sup> ) 24" Shelves	27.3	54.5	81.9	109.0	136.4
<b>Shipping Weight without End Panels</b>	<b>1-Door</b>	<b>2-Door</b>	<b>3-Door</b>	<b>4-Door</b>	<b>5-Door</b>
RHMC30 Weight (lbs.)	530	720	970	1,280	1,585
RHMC30BB Weight (lbs.)	---	1,380	1,830	2,460	3,050
<b>Shipping Weight with Solid End Panels <sup>8</sup></b>	<b>1-Door</b>	<b>2-Door</b>	<b>3-Door</b>	<b>4-Door</b>	<b>5-Door</b>
RHMC30 Weight (lbs.)	590	780	1,030	1,340	1,645
RHMC30BB Weight (lbs.)	---	1,500	1,950	2,580	3,170
<b>Shipping Weight with Windowed End <sup>8</sup></b>	<b>1-Door</b>	<b>2-Door</b>	<b>3-Door</b>	<b>4-Door</b>	<b>5-Door</b>
RHMC30 Weight (lbs.)	---	830	1,080	1,390	1,695

Notes:

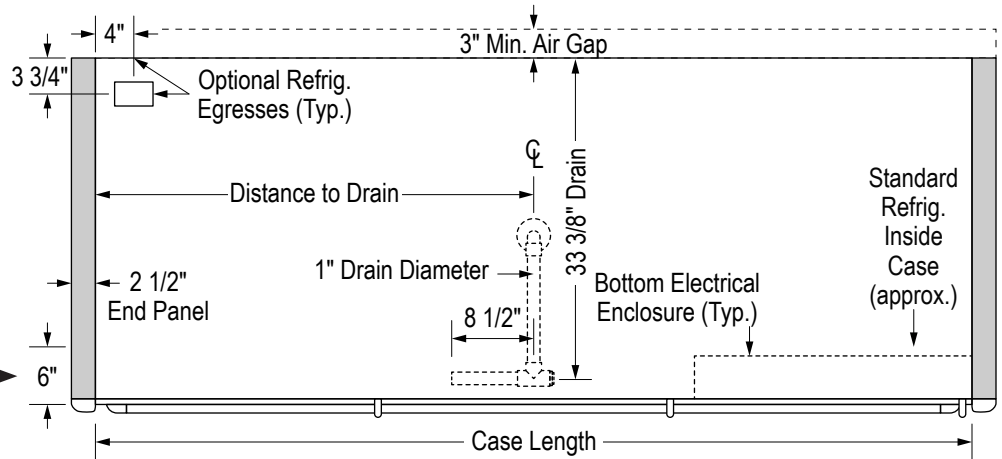
8. Each solid end panel: 30 lbs for RHMC30 or 60 lbs for RHMC30BB. Each windowed end panel: 55 lbs.



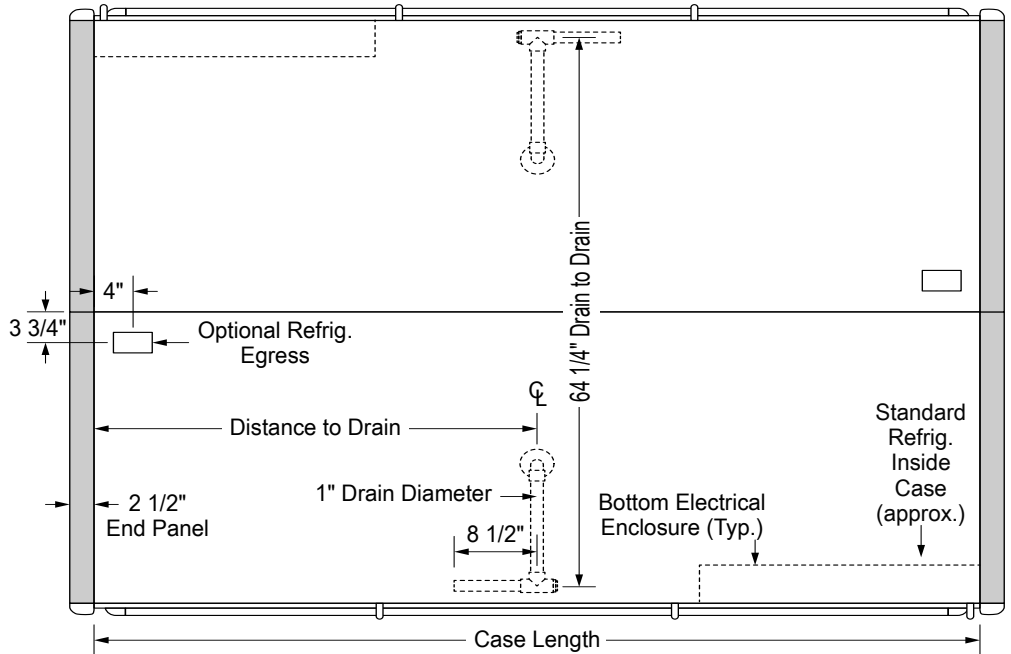
## RHMC30 Top View



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.



## RHMC30BB Back-to-Back Top View

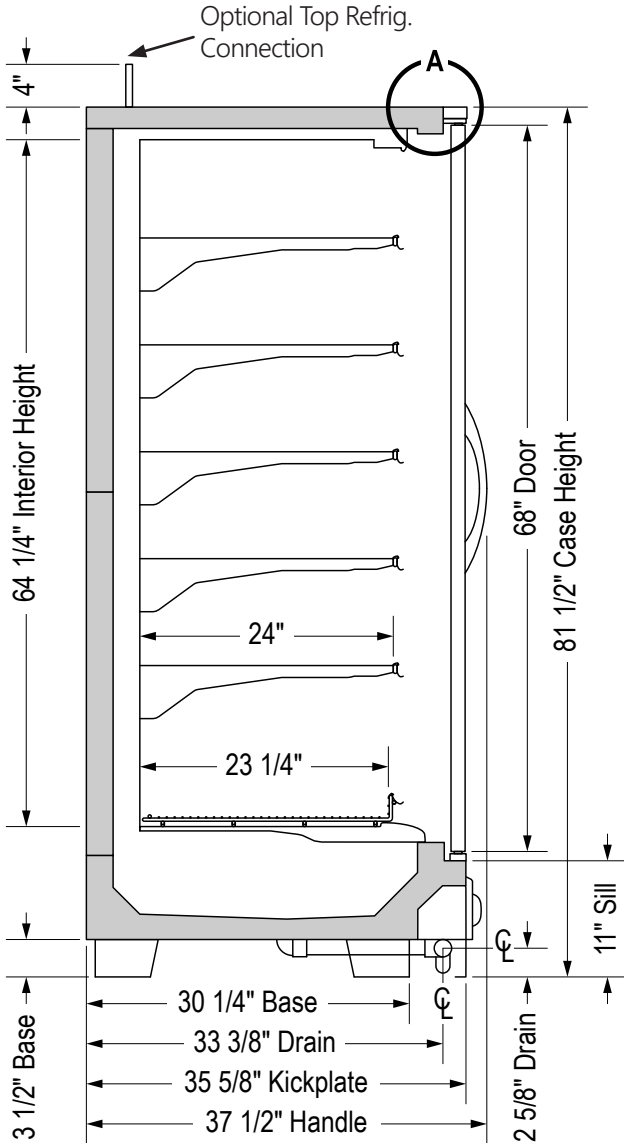


### Case Dimensions

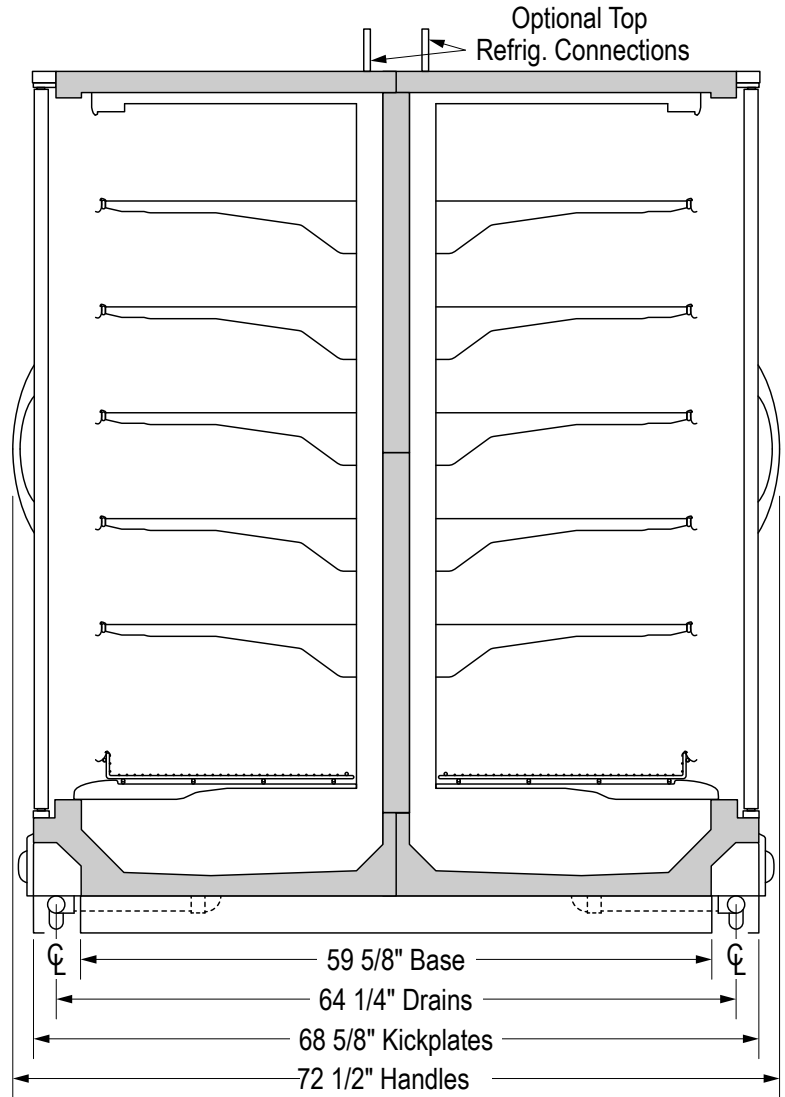
Measurements	1-Door	2-Door	3-Door	4-Door	5-Door
Case Length (in.) without End Panels	30 1/2	60 7/8	91 3/8	121 3/4	152 1/4
Case Length (in.) with End Panels	35 1/2	65 7/8	96 3/8	126 3/4	157 1/4
Distance to Drain (in.)	15 1/4	30 1/2	45 5/8	60 7/8	76 1/8



RHMC30 End View



RHMC30BB Back-to-Back End View



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.

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.