



## Highlight Merchandiser® RHLC30IM Remote Specs

### Low Temp Reach-In Remote Display Cases

1-Door, 2-Door, and 3-Door Cases

#### Applications



Ice

### Quick Specs

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

Ice: 915 at 0°F Evaporator

\*when used with parallel rack system

#### Merchandising (3-Door)

Facings: 40.9 ft<sup>2</sup>

Packout: 81.9 ft<sup>3</sup> with 30" x 24" deep shelves

Packout Limit: 2,460 lbs. with 24" shelves

### Features & Options

#### Go Green

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

#### High Humidity

Control climate challenges with our advanced humidity package

#### CoolView® Doors

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

#### LED Lighting

ChillBrite® 4000K LED Lighting

#### Additional Models

The Highlight® low temp lineup offers a standard, tall, back-to-back, and ice merchandiser.

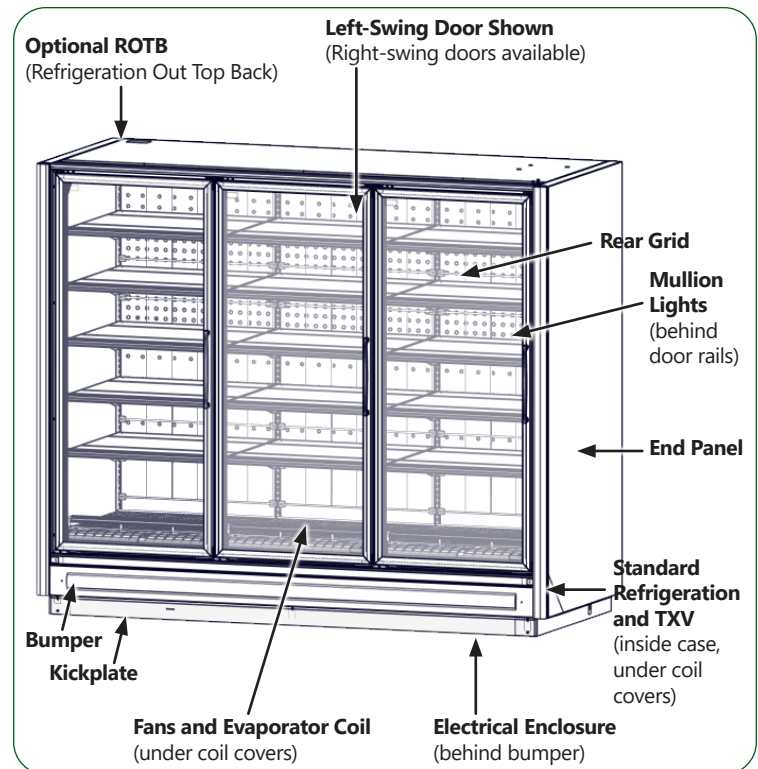
#### Hybrid™ Display Case

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.



SS-122 REV E • 8/1/2024

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## Refrigeration Data



Set Points	°F
Evaporator Temperature <sup>1</sup>	0
Discharge Air Temperature (w/ 8°F Superheat)	4

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>	Individual Case Data (includes 1 pair of end panels)		
	1-Door	2-Door	3-Door
RHLC30IM Baseline Btu/h	915	1,740	2,625
Energy Use with Condensing Unit <sup>2</sup>	1-Door	2-Door	3-Door
RHLC30IM Baseline Btu/h	970	1,845	2,780
Btu/h Adders	1-Door	2-Door	3-Door
Anti-Sweat High-Humidity Package	+100	+200	+300

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.



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

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>4</sup>



	1-Door		2-Door		3-Door	
Number of Fans	1		2		3	
<b>Fan Motors (115V)</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	20	0.60	38	0.90	59
<b>Lighting System (120V)</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
<b>Anti-Sweat Heat (115V) <sup>5</sup></b>	<b>Amps</b>	<b>Watts</b>	<b>Amps</b>	<b>Watts</b>	<b>Amps</b>	<b>Watts</b>
Standard-Energy Doors (CoolView® Envision)	0.72	83	1.43	164	2.13	245
High-Humidity Package (CoolView® Envision) <sup>6</sup>	1.06	122	2.15	247	3.20	368
Solid Doors (CoolView® Envision)	0.50	58	1.01	116	1.50	173
<b>Defrost Heaters <sup>7, 8</sup></b>	<b>Amps</b>	<b>Watts</b>	<b>Amps</b>	<b>Watts</b>	<b>Amps</b>	<b>Watts</b>
Single Phase (120V/1/60Hz or 208V/1/60Hz)	9.10	1,047	8.00	1,680	12.00	2,496
Three Phase (208V/3/60Hz)	---	---	4.66	1,680	6.93	2,496

Notes:

- Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.
- Standard doors include glass heat, rail heat, sill heat, mullion heat, and a deep coil.
- 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.
- Electric Defrost: 1 per day. Defrost termination temperature setting is 50°F. Failsafe time is 55 minutes. Refer to the Installation & Operation Manual for details.
- Hot Gas Defrost: 1 per day. Defrost termination temperature setting is 65°F. Failsafe time is 30 minutes. Refer to the Installation & Operation Manual for details. Zero Zone recommends 1 riser per refrigeration circuit when utilizing hot gas defrost.

## Physical Data



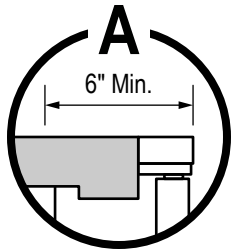
<b>Merchandising</b>	<b>1-Door</b>	<b>2-Door</b>	<b>3-Door</b>
Facings (ft. <sup>2</sup> )	13.6	27.3	40.9
Packout (ft. <sup>3</sup> ) 24" Shelves	27.3	54.5	81.9
Packout Limit (lbs.) 24" Shelves	820	1,640	2,460
<b>Shipping Weight without End Panels</b>	<b>1-Door</b>	<b>2-Door</b>	<b>3-Door</b>
RHLC30IM Weight (lbs.)	532	783	1,033
<b>Shipping Weight with Solid End Panels <sup>9</sup></b>	<b>1-Door</b>	<b>2-Door</b>	<b>3-Door</b>
RHLC30IM Weight (lbs.)	592	843	1,093

Notes:

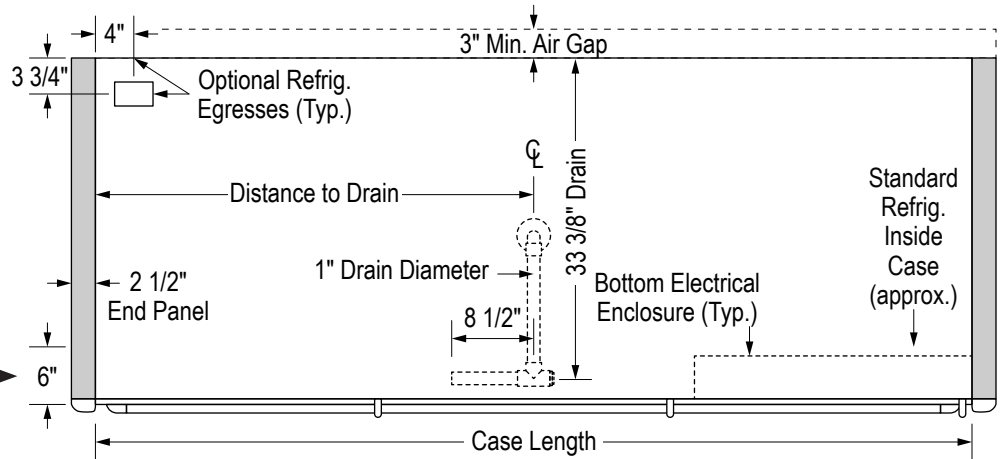
- Each solid end panel: 30 lbs.



## RHLC30IM 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.



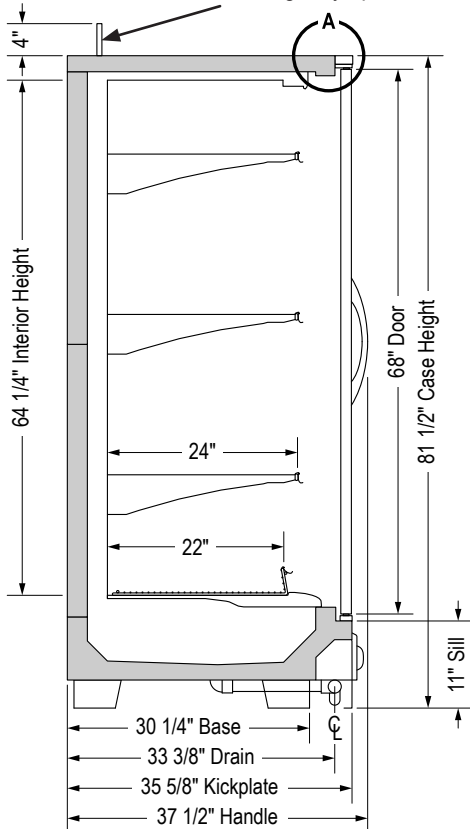
## Case Dimensions



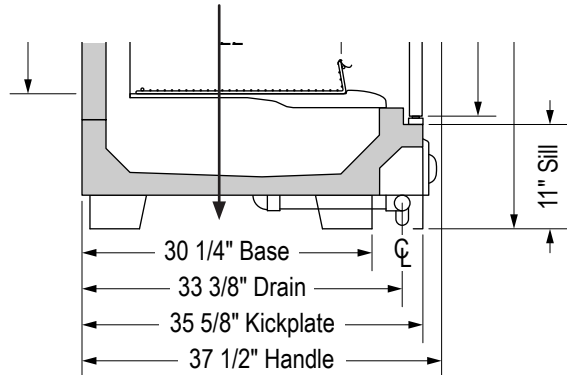
Measurements	1-Door	2-Door	3-Door
Case Length (in.) without End Panels	30 1/2	60 7/8	91 3/8
Case Length (in.) with End Panels	35 1/2	65 7/8	96 3/8
Distance to Drain (in.)	15 1/4	30 1/2	45 5/8

## RHLC30IM End View

Optional top refrigeration connection increases case height by up to 4".



- Coil cover support posts, protective rear wall grid, and heavy duty bottom wire rack per door are included.
- 1-Door bases run front to back.



Base information:

- Base height: 3 1/2"
- Drain height from the floor: 2 5/8"