



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 ft²

Packout: 136.4 ft³ with 30" x 24" deep shelves

Features & Options

Go Green

Remote cases ready for CO₂. 90-bar rating available.

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.

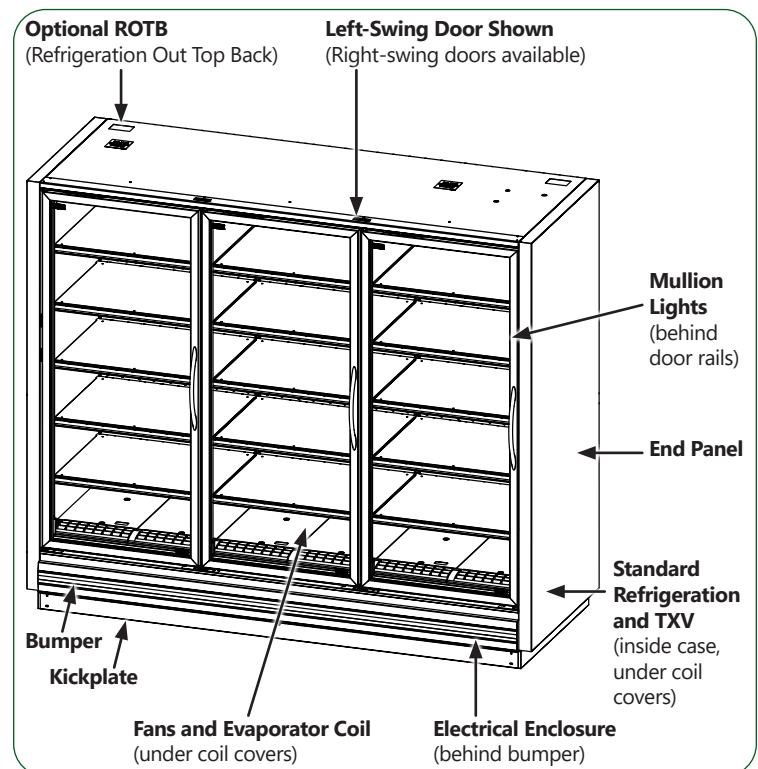
Hybrid™ Display Case

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

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 ¹	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 ²	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 ²	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 ³	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 ⁴	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 ₂ ⁴	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 ⁵



	1-Door		2-Door		3-Door		4-Door		5-Door	
Number of Fans	1		2		3		4		5	
Fan Motors (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
High-Efficiency Electronic (ECM or SSC)	0.30	11	0.60	22	0.90	33	1.20	44	1.50	55
Lighting System (120V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
LED Lighting	0.15	18	0.29	35	0.44	53	0.59	70	0.73	88
Anti-Sweat Heat (115V) ^{6,7}	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
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) ⁷	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



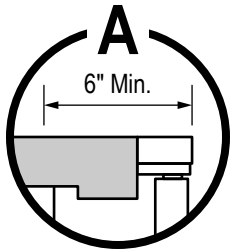
Merchandising	1-Door ⁹	2-Door	3-Door	4-Door	5-Door
Facings (ft. ²)	13.6	27.3	40.9	54.5	68.2
Packout (ft. ³) 22" Shelves	25.4	50.0	75.0	100.0	125.0
Packout (ft. ³) 24" Shelves	27.3	54.5	81.9	109.0	136.4
Shipping Weight without End Panels	1-Door	2-Door	3-Door	4-Door	5-Door
RHMC30 Weight (lbs.)	530	720	970	1,280	1,585
RHMC30BB Weight (lbs.)	---	1,380	1,830	2,460	3,050
Shipping Weight with Solid End Panels ⁸	1-Door	2-Door	3-Door	4-Door	5-Door
RHMC30 Weight (lbs.)	590	780	1,030	1,340	1,645
RHMC30BB Weight (lbs.)	---	1,500	1,950	2,580	3,170
Shipping Weight with Windowed End ⁸	1-Door	2-Door	3-Door	4-Door	5-Door
RHMC30 Weight (lbs.)	---	830	1,080	1,390	1,695

Notes:

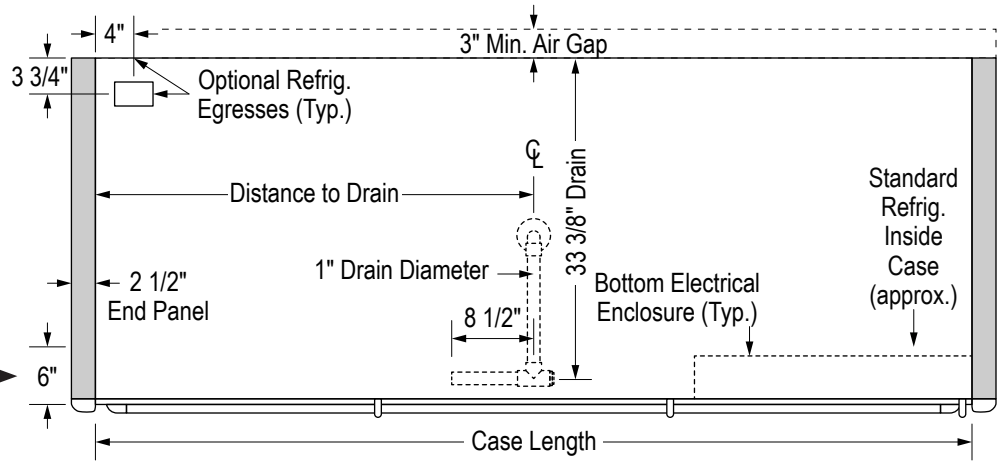
- 8. Each solid end panel: 30 lbs for RHMC30 or 60 lbs for RHMC30BB. Each windowed end panel: 55 lbs.
- 9. 1-Door Highlight Merchandiser® is not designed to be joined with other display cases and is a standalone unit.



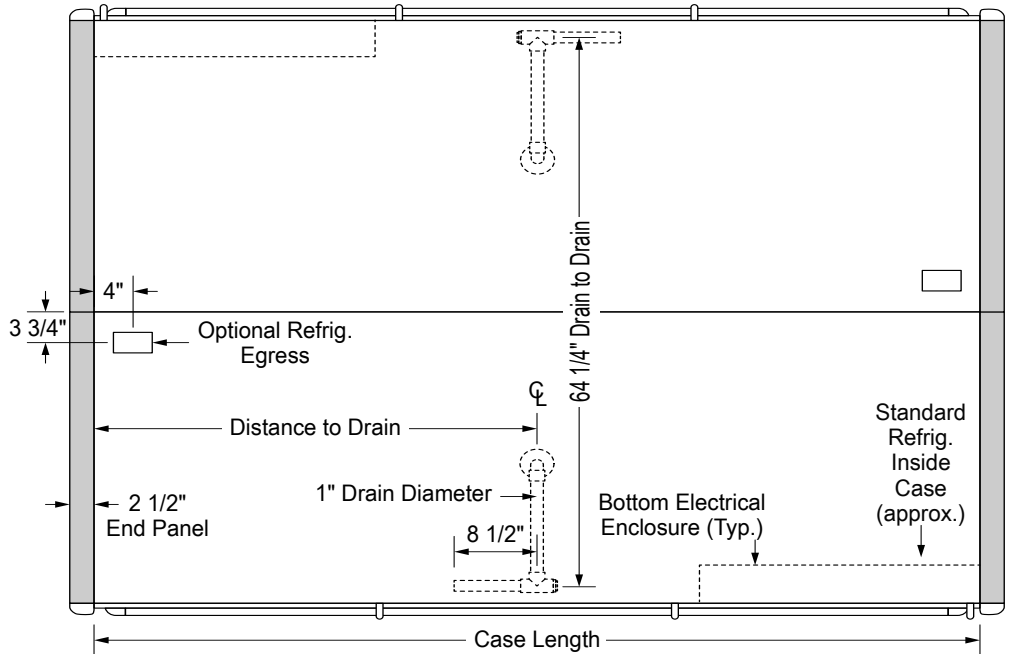
RHMC30 Top View



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

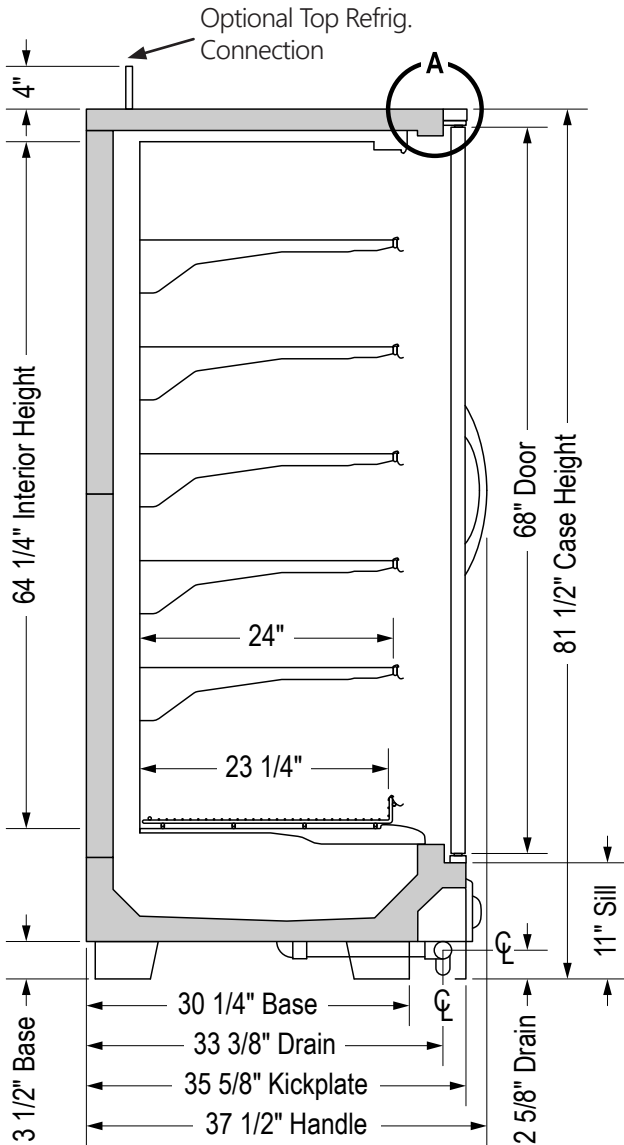


Case Dimensions

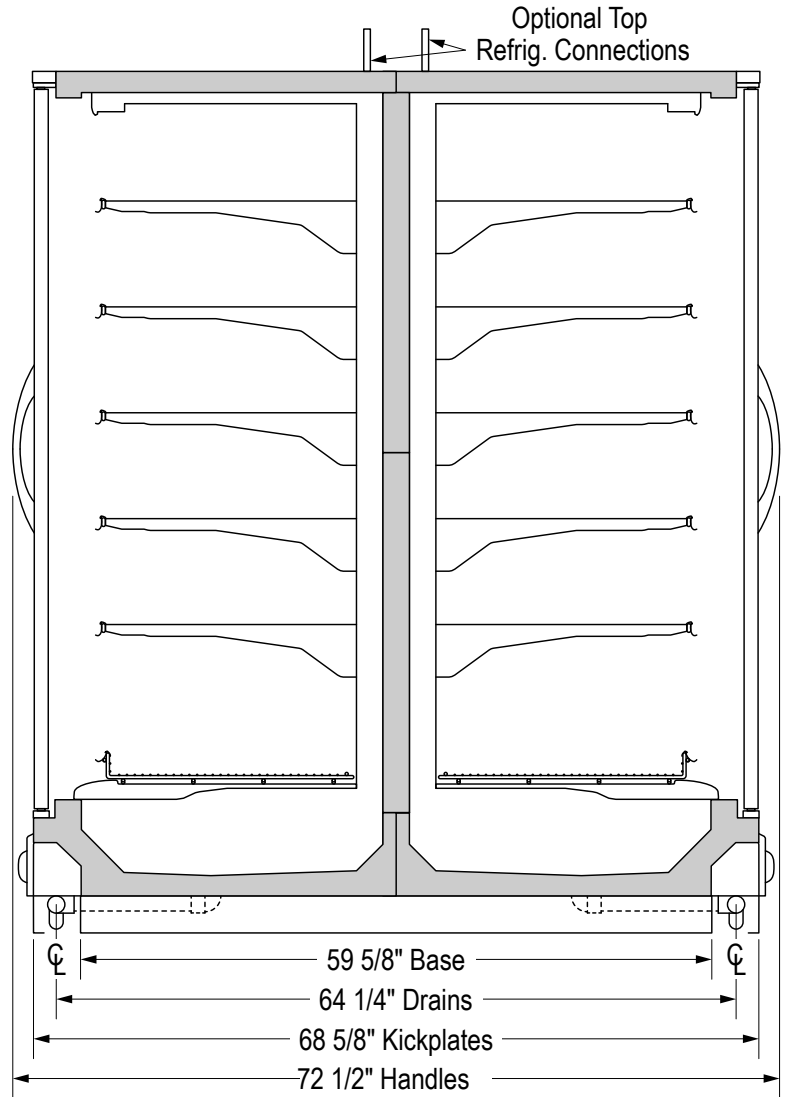
Measurements	1-Door	2-Door	3-Door	4-Door	5-Door
Case Length (in.) without End Panels	30 1/2	60 7/8	91 3/8	121 3/4	152 1/4
Case Length (in.) with End Panels	35 1/2	65 7/8	96 3/8	126 3/4	157 1/4
Distance to Drain (in.)	15 1/4	30 1/2	45 5/8	60 7/8	76 1/8



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.