Highlight Merchandiser® RHLC30 Remote Specs

Low Temp Reach-In Remote Display Cases

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

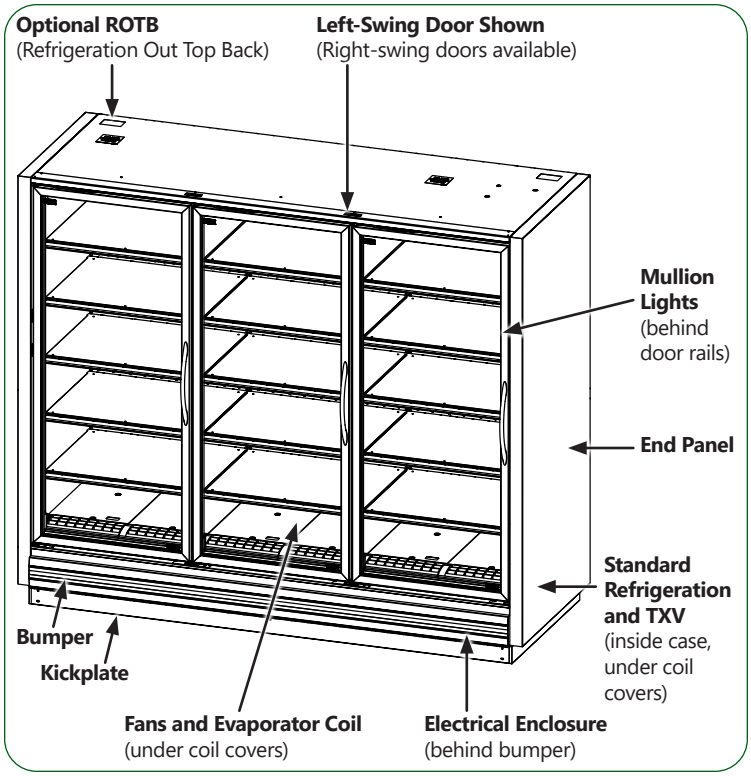
Quick Specs

Energy (Btu/h per Door)*
Frozen Food: 820 at -7°F Evaporator
Ice Cream: 940 at -16°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

Applications

Ice Cream Frozen Food



Features & Options

Go Green
Remote cases ready for CO_2

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, ice merchandiser, 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.

Refrigeration Data

Set Points	Frozen Food (FF)	Ice Cream (IC)
Evaporator Temperature (°F) [1]	-7	-16
Discharge Air Temperature (°F) (w/ 8°F Superheat)	-3	-12

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

	Lineup Data		Individual Case Data (includes 1 pair of end panels)									
	Per Door Avg		1-Door		2-Door		3-Door		4-Door		5-Door	
Energy Use with Parallel Rack System [2]	**FF**	**IC**	**FF**	**IC**	**FF**	**IC**	**FF**	**IC**	**FF**	**IC**	**FF**	**IC**
RHLC30 Baseline Btu/h	820	940	980	1,085	1,910	2,080	2,700	2,960	3,490	3,830	4,110	4,710
RHLC30BB Baseline Btu/h (Each Side)	745	855	---	---	1,760	1,910	2,475	2,705	3,190	3,490	3,735	4,285
Energy Use with Condensing Unit [2]	**FF**	**IC**	**FF**	**IC**	**FF**	**IC**	**FF**	**IC**	**FF**	**IC**	**FF**	**IC**
RHLC30 Baseline Btu/h	870	995	1,040	1,150	2,025	2,205	2,860	3,140	3,700	4,060	4,355	4,995
RHLC30BB Baseline Btu/h (Each Side)	790	905	---	---	1,865	2,025	2,625	2,865	3,380	3,700	3,960	4,540
Btu/h Adders	**FF**	**IC**	**FF**	**IC**	**FF**	**IC**	**FF**	**IC**	**FF**	**IC**	**FF**	**IC**
Anti-Sweat High-Humidity Package	+100	+100	+100	+100	+200	+200	+300	+300	+400	+400	+500	+500

	Btu/h Per Case	
Additional Features	**FF**	**IC**
Glass Windowed End Panel (1-Pair)	+315	+350

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.

	Outlet Size (in.)				
Refrigeration Piping: R-404A & R-448A [3]	**1-Door**	**2-Door**	**3-Door**	**4-Door**	**5-Door**
Suction Line O.D. (Standard Refrigeration Exit)	3/8	7/8	7/8	7/8	7/8
Suction Line O.D. (Top Refrigeration Exit)	---	1/2	5/8	5/8	5/8
Liquid Line O.D. (Electric Defrost)	1/4	3/8	3/8	3/8	3/8
Liquid Line O.D. (Hot Gas Defrost)	---	1/2	1/2	1/2	1/2
Refrigeration Piping: CO_2 [3]	**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)	---	1/2	1/2	1/2	1/2
Liquid Line O.D. (Electric Defrost)	1/4	3/8	3/8	3/8	3/8
Liquid Line O.D. (Hot Gas Defrost)	---	1/2	1/2	1/2	1/2

Notes:
3. 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 [4]

	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)	0.70	20	1.40	38	2.10	59	2.80	78	3.50	98
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)	**Amps**	**Watts**	**Amps**	**Watts**	**Amps**	**Watts**	**Amps**	**Watts**	**Amps**	**Watts**
Standard-Energy Doors (CoolView Envision) [5]	0.73	83	1.43	164	2.13	245	2.84	326	3.54	408
High-Humidity Package (CoolView Envision) [6]	1.06	122	2.15	247	3.20	368	4.25	488	5.30	609
Solid Doors (CoolView Envision)	0.50	58	1.01	116	1.50	173	2.00	230	2.50	287
Defrost Heaters [7, 8]	**Amps**	**Watts**	**Amps**	**Watts**	**Amps**	**Watts**	**Amps**	**Watts**	**Amps**	**Watts**
Single Phase (120V/1/60Hz or 208V/1/60Hz)[9]	9.10	1,047	8.00	1,680	12.00	2,496	16.00	3,328	20.00	4,160

Notes:

4. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.
5. Standard doors include glass heat, rail heat, sill, and mullion heat.
6. 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.
7. Electric Defrost: 1 per day. Defrost temination temperature setting is 50°F. Failsafe time is 55 minutes. Refer to the Installation & Operation Manual for details.
8. Hot Gas Defrost: 1 per day. Defrost temination 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.
9. Electric Defrost Heater for 1RHLC30 only = 120V/1/60Hz. Electric Defrost Heater for 2, 3, 4 & 5RHLC30 = 208V/1/60Hz.

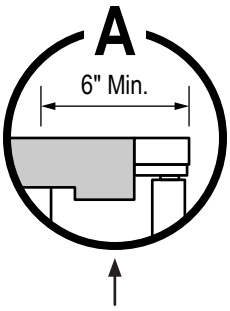
Physical Data

Merchandising	**1-Door**	**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**
RHLC30 Weight (lbs.)	530	720	970	1,280	1,585
RHLC30BB Weight (lbs.)	---	1,380	1,860	2,460	3,050
Shipping Weight with Solid End Panels [10]	**1-Door**	**2-Door**	**3-Door**	**4-Door**	**5-Door**
RHLC30 Weight (lbs.)	590	780	1,030	1,340	1,645
RHLC30BB Weight (lbs.)	---	1,500	1,980	2,580	3,170
Shipping Weight with windowed End Panels [10]	**1-Door**	**2-Door**	**3-Door**	**4-Door**	**5-Door**
RHLC30 Weight (lbs.)	640	830	1,080	1,390	1,695

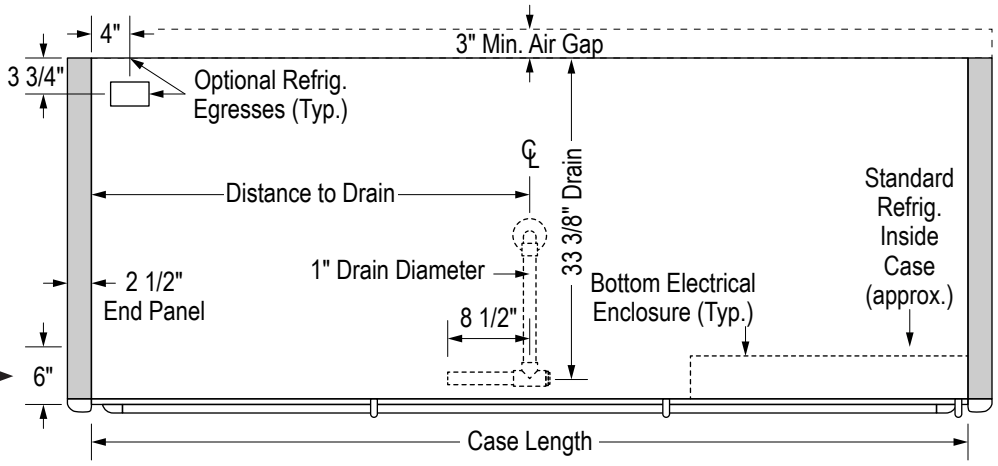
Notes:

10. Each solid end panel: 30 lbs for RHLC30 or 60 lbs for RHLC30BB. Each windowed end panel: 55 lbs for RHLC30.

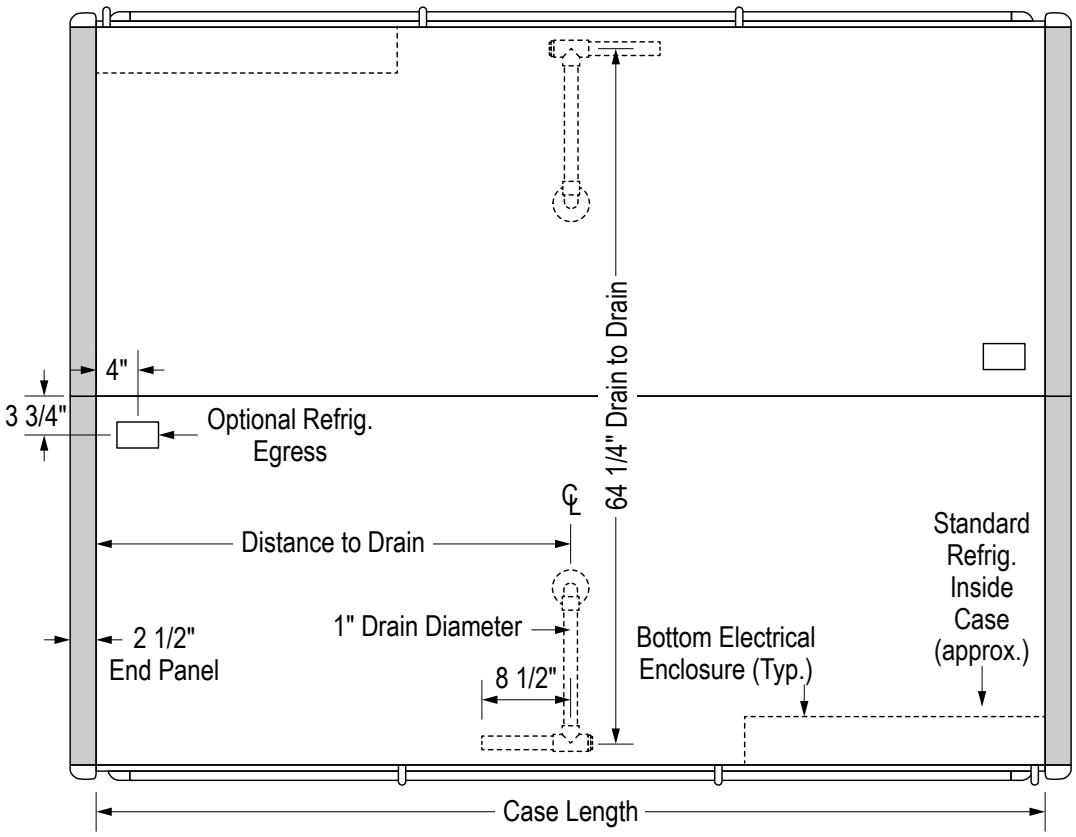
RHLC30 Top View



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.



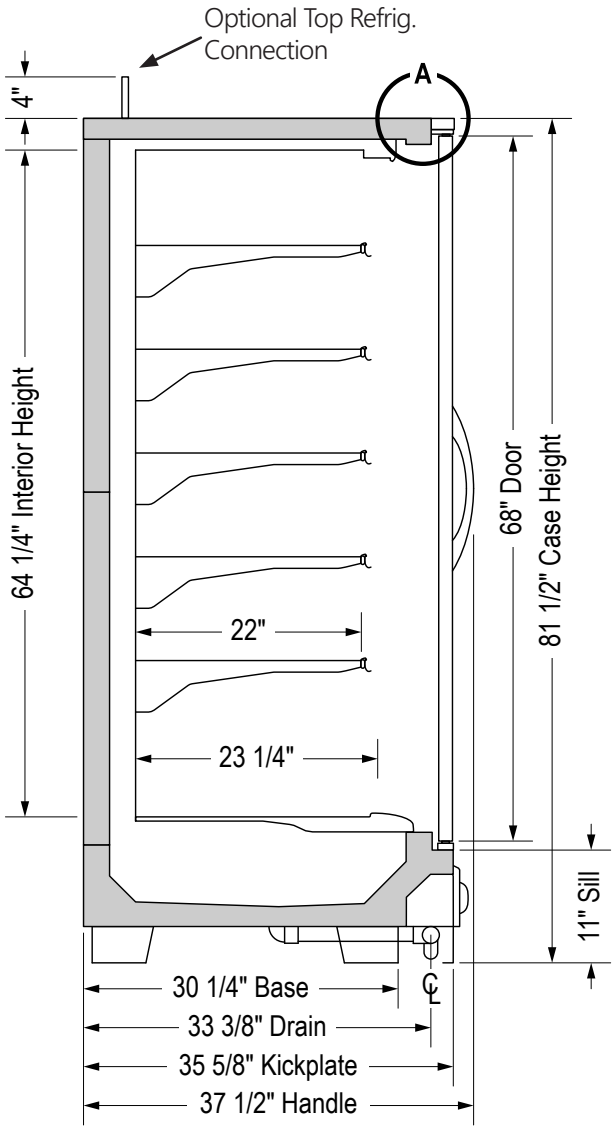
RHLC30BB Back-to-Back Top View



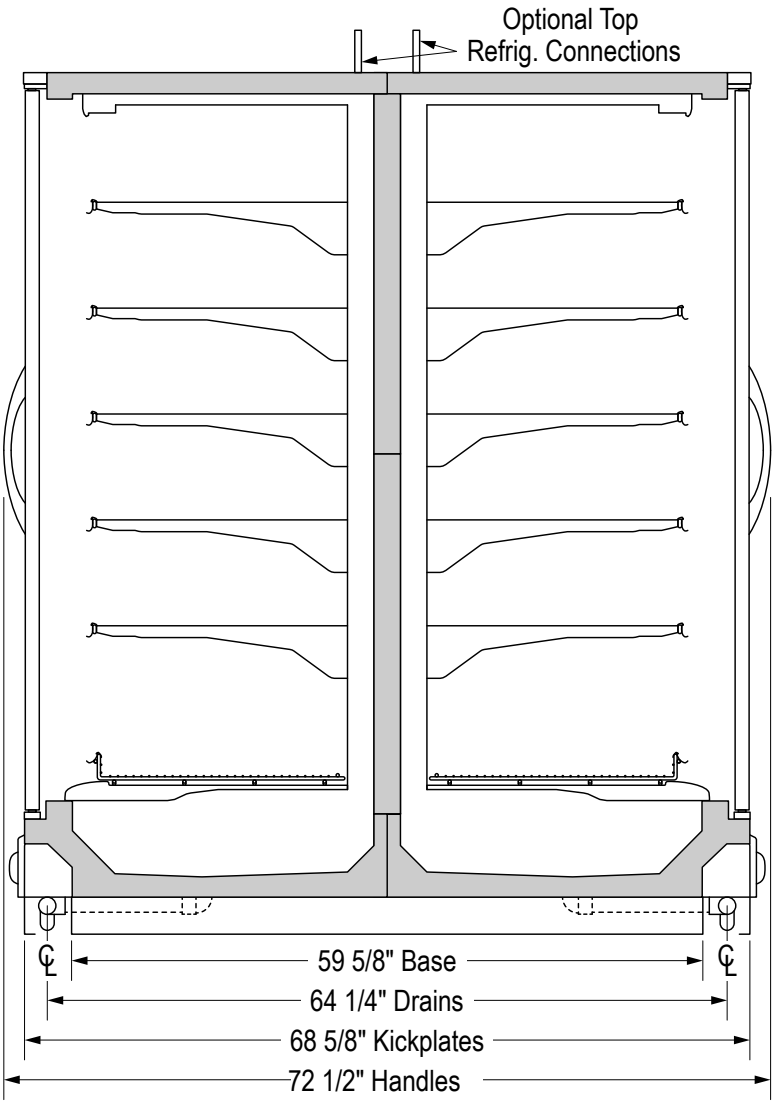
Case Dimensions

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

RHLC30 End View



RHLC30BB Back-to-Back End View



Base Notes:

- Base height options available: 1 ¾", 3 ½", or 6 ½".
- Changing bases affects case height and shipping height.
- Drain height from the floor: 2 ⅝" with 3 ½" base.
- Use 1 ¾" tall bases to fit through 80" doorways (shipping height = 79 ⅝"). 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.