

## **Quick Specs**

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

Frozen Food: 925 at -7°F Evaporator Ice Cream: 1,005 at -16°F Evaporator \*when used with parallel rack system

#### Merchandising (5-Door)

Facings: 70.2 ft<sup>2</sup>

Packout: 136.1 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 74" tall CoolView® Illusion® Doors

#### **LED Lighting**

ChillBrite® 4000K LED Lighting

#### Versatility

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

#### **Additional Models**

The Crystal low temp lineup offers a standard, back-to-back, ice merchandiser, dual temp case.

#### Hybrid™ Display Case

Available as Hybrid<sup>™</sup> cases with R-404A or R-448A.



Manuals and Instructions: https://www.zero-zone.com/rvmc-rvlc

# Crystal Merchandiser® RVLC30 Specs

Low Temp Reach-In Remote Display Cases

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

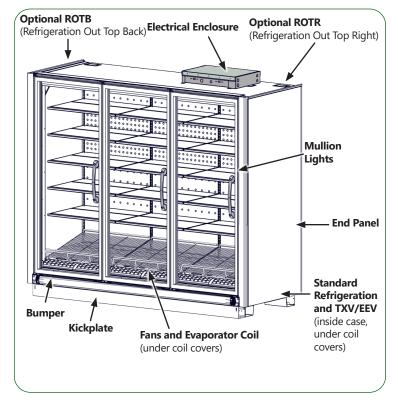
### **Applications**





Ice Cream

Frozen Food





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.











# Crystal Merchandiser® RVLC30 Remote Specs

**RVLC30 and RVLC30BB** 

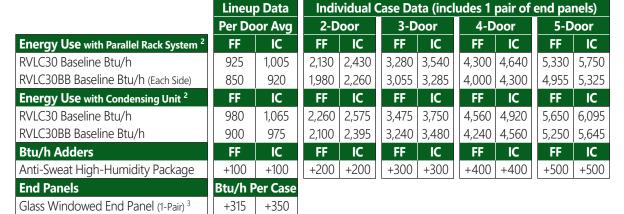
## **Refrigeration Data**



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.





#### Notes:

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



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

#### Notes

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

# Crystal Merchandiser® RVLC30 Remote Specs

**RVLC30 and RVLC30BB** 

# Electrical & Energy Data 5



Fan Motors (115V)	Per Do	or Avg 2-Door		3-Door		4-Door		5-Door		
Number of Fans		2		3		4		5		
Fan Motors (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
High-Efficiency Electronic (ECM or SSC)	0.42	24	0.84	48	1.26	72	1.68	96	2.1	120
Lighting System (120V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
LED Lighting	0.16	19	0.32	39	0.48	58	0.63	77	0.79	96
Anti-Sweat Heat (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
Standard-Energy Doors (CoolView® Illusion®)6	0.74	85	1.50	173	2.23	257	2.97	341	3.70	425
High-Humidity Package (CoolView® Illusion®)7	1.08	125	2.22	255	3.29	378	4.35	501	5.42	623
Defrost Heaters 8, 9	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
Single Phase (120V/1/60Hz or 208V/1/60Hz)	4.00	832	8.00	1,680	12.00	2,496	16.00	3,328	20.00	4,160
Three Phase (208V/3/60Hz)	2.31	832	4.66	1,680	6.93	2,496	9.23	3,328	11.55	4,160

#### 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, rail heat, mullion heat, and a deep coil.
- 7. High-humidity package includes 10% increase in glass heat, rail heat, and mullion heat. This package also includes a deep coil and an anti-sweat controller.
- 8. 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.
- 9. 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**



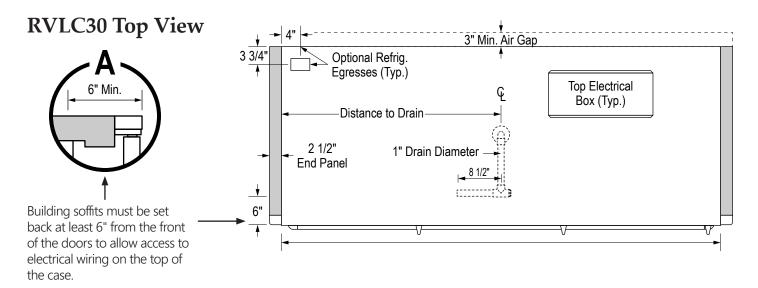
Merchandising	2-Door	3-Door	4-Door	5-Door
Facings (ft.²)	28.4	42.3	56.3	70.2
Packout (ft.3) 22" Shelves 10	51.5	76.7	101.9	127.1
Packout (ft.3) 24" Shelves 10	55.1	82.1	109.2	136.1
Shipping Weight without End Panels 11	2-Door	3-Door	4-Door	5-Door
RVLC30 Weight (lbs.)	755	1,055	1,420	1,800
RVLC30BB Weight (lbs.)	1,450	2,030	2,740	3,480
Shipping Weight with Solid End Panels 11	2-Door	3-Door	4-Door	5-Door
RVLC30 Weight (lbs.)	815	1,115	1,480	1,860
RVLC30BB Weight (lbs.)	1,570	2,150	2,860	3,600
Shipping Weight with Windowed End <sup>11</sup>	2-Door	3-Door	4-Door	5-Door
RVLC30 Weight (lbs.)	865	1,165	1,530	1,910

#### Notes:

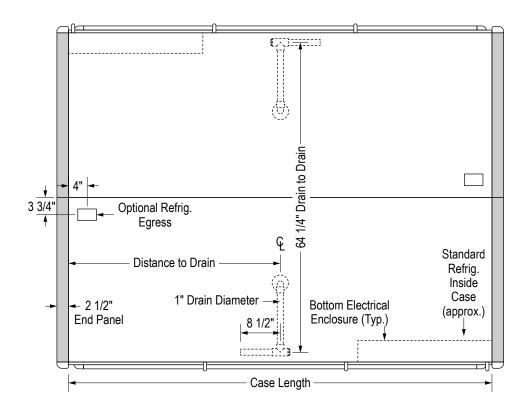
- 10. Available with 6" tall bottom baskets instead of bottom wire racks.
- 11. Each solid end panel: 30 lbs for RVLC30 or 60 lbs for RVLC30BB. Each windowed end panel: 55 lbs for RVLC30.

# Crystal Merchandiser® RVLC30 Remote Specs

**RVLC30 and RVLC30BB** 



# **RVLC30BB Top View**



## **Case Dimensions**



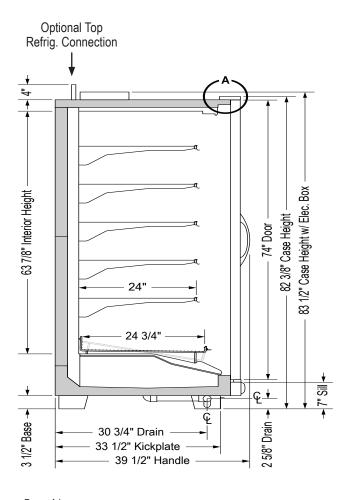
Measurements	2-Door	3-Door	4-Door	5-Door
Case Length (in.) without End Panels	62 1/8	92 1/2	123	153 3/8
Case Length (in.) with End Panels	67 1/8	97 1/2	128 3/4	158 3/8
Distance to Drain (in.) without End Panels	31	46 1/4	61 1/2	76 3/4



**RVLC30 and RVLC30BB** 

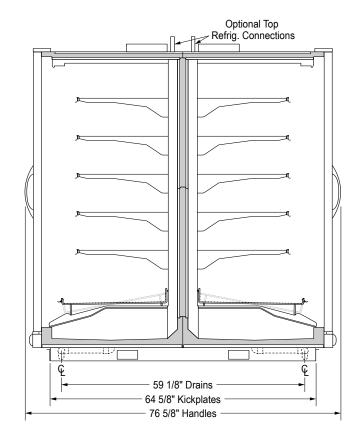
### **RVLC30 End View**

### **RVLC30BB 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  $\frac{3}{4}$ " tall bases to fit through 80" doorways (shipping height = 79  $\frac{5}{8}$ "). 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.