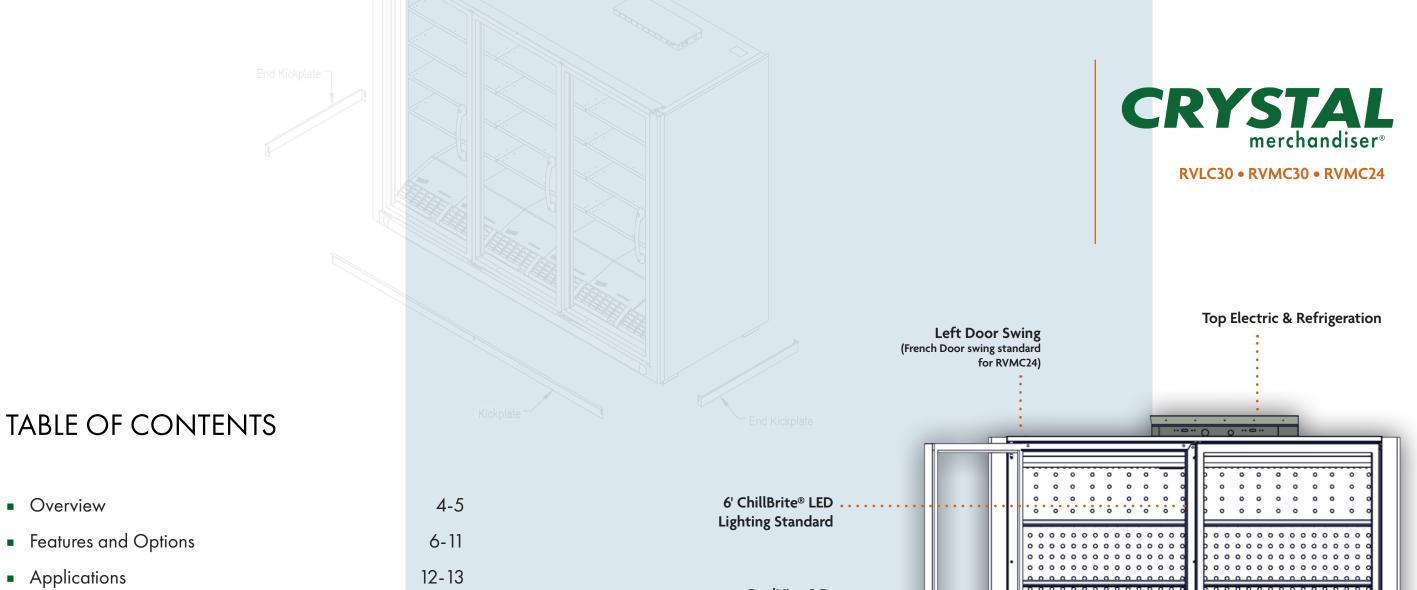


CRYSTAL

merchandiser®



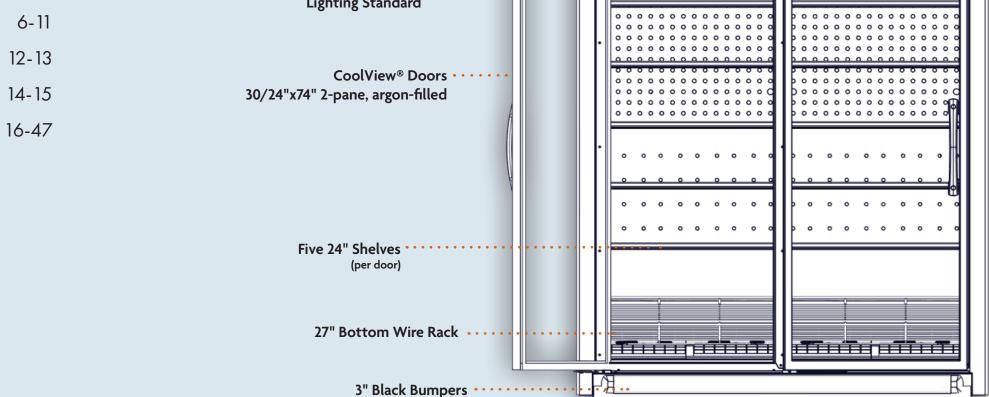
Product Catalog



Applications

Overview

Features and Options





CRYSTAL merchandiser®

When it comes to energy efficiency, ease of installation, adaptability to space and product, and display capabilities, our line of Crystal Merchandiser® Reach-In Coolers and Freezers are second to none.

ENERGY CHOICE

Crystal freezers use on average 15% less energy than our competition and upwards of 40% on our coolers.

AIRFLOW

Counter-flow coil design leading to higher energy efficiency

INTEGRITY

The internal reinforced steel end frame ensures superiors structural integrity in Crystal cases.

PACKOUT & FACINGS

Crystal freezers have 4 more square feet of product facings than the leading competitor

FORKLIFTABLE

Forkliftable from either side of the case, our reinforced bottom assembly features steel forklift plates, saving time from unloading the case and streamlining the installation process.





INSULATION

Zero Zone cases boast the thickest insulation in the industry with 2.5" panels. Our insulation boosts energy efficiency and maintains stable product temperatures.

DOORS

CoolView® 74" glass doors with near panoramic views inside, Field reversible, French door, rear load.

HANDLES

CoolArc® Crescent handles in black or satin silver.

LIGHTING

ChillBrite® custom-designed LED lights with minimal dot and equal dispersion.

NATURAL SOLUTION

Genesys® Natural refrigerant solutions available in CO2.

INSTALLATION FRIENDLY

Known in the industry for easy installation and low maintenance, the Zero Zone legacy lives on with the Crystal Merchandiser® - always NSF, DOE, and UL compliant and the enduring quality you expect.



Features and Options

	FrozenIce CreamIce Merchandiser	BeverageDairy/DeliFloral • MeatProduce	BeverageDairy/DeliFloral • MeatProduce
No. of doors	2-5	2-5	2-6
Door Width	30"	30"	24"
Door Height	74"	74"	74"
Bottom Coil	× ×		×
Dual Temp		×	×
Deep	× ×		
Ice Merchandiser		×	×
High Humidity	Ø		Ø

RVLC30

RVMC30

RVMC24



1 Interior Color

RVMC30

Special

RVMC24

Special

mierioi color			
Black	STANDARD	STANDARD	STANDARD
White	Optional	Optional	Optional
Brushed Stainless Steel	Special	Special	Special
Black Electrocoating*	Special	Special	Special

RVLC30

Special

*recommended for Seafood & Red Meat

1 Lighting

White Electrocoating*

ChillBrite® 4000K	STANDARD	STANDARD	STANDARD
ChillBrite® 3500K	Optional	Optional	Optional

Shelving

30" x 24" Solid Universal Black (2-position)	STANDARD	STANDARD	
48" x 22" Solid (2-position)			STANDARD

4 Price Tag Molding

Black PVC per Shelf & Rack	STANDARD	STANDARD	STANDARD
White PVC per Shelf & Rack	Special	Special	Special
Aluminum Reversible	Optional	Optional	Optional
Black Anodized	Optional	Optional	Optional

6 Bottom Wire Rack

24 3/4" Reversible w/ 4" Front Black	STANDARD	STANDARD	
24 3/4" Reversible w/ 4" Front White	Special	Special	
Aluminum Reversible	Optional	Optional	Optional
Black Anodized	Optional	Optional	Optional
27" w/ 2 1/2" Front Black			STANDARD
27" w/ 2 1/2" Front White			Special



Characteristics

Doors

Exterior

RVLC30	RVMC30	RVMC24

6 Door Type

CoolView® Illusion® Black	STANDARD	Special	
CoolView® Illusion® Satin Silver	Optional		
CoolView® Ultra™ Black		STANDARD	STANDARD
CoolView [®] Ultra™ Satin Silver		Optional	Optional

7 Door Handle

CoolArc™ Black	STANDARD	STANDARD	STANDARD
CoolArc™ Satin Silver	Optional	Optional	Optional

8 Door Swing

French			STANDARD
Left Handle on Right	STANDARD	STANDARD	Optional
Right Handle on Left	Optional	Optional	Optional

Available Add-Ons:

Door Locks

• Anti-Fog Coating (Low-Temp Only)

9 Exterior Color

Black ZZ-000	STANDARD	STANDARD	STANDARD
See Color Chart for 36 optional colors	Optional	Optional	Optional
Stainless Steel	Special	Special	Special

10 Bumper

3" Black McCue Individual	STANDARD	STANDARD	STANDARD
3" Black McCue Continuous		Optional	
3" Individual (McCue Color Pallete)	Special	Special	Special
3" Continuous (McCue Color Pallete)		Special	

Wickplates

Black	STANDARD	STANDARD	STANDARD
Louvered Black	Optional	Optional	Optional
Stainless Steel	Special	Special	Special
Louvered Stainless Steel	Special	Special	Special

Temperature Sensors

CPC Green Temp	STANDARD	STANDARD	STANDARD
Carel Temp	Optional	Optional	Optional
Danfoss Temp	Optional	Optional	Optional
ECI Temp			Optional

RVLC30

If you do not see an option available that supports your needs, please reach out to your Zero Zone sales representative to find a solution.

RVMC30

RVMC24

Defrost Sensors

Controls

CPC Orange Defrost STANDARD Optional Optional

Available Add-Ons:

- Adjustable Defrost Control
- Adjustable Temp Control (Low-Temp only)
- Control Scheme Packages
- Electronic Defrost Controller



Special: custom features & increased lead time

RVLC30	RVMC30	RVMC24

Refrigeration Connection

ROTB (Refrigeration Out Top Back)	STANDARD	STANDARD	STANDARD
Inside Case Bottom	Optional	Optional	
Hot Gas (Inside Case Bottom)	Optional		
ROTR (Refrigeration Out Top Right)	Optional		
Refrigeration to Bottom Inside		Optional	Optional
ROR (Refrigeration Out Rear)	Special		
Pre-Piping/Common Risers (Contact ZZ Sales)	Special	Special	Special

Expansion Valve

Mechanical	STANDARD	STANDARD	STANDARD
Electronic	Optional	Optional	Optional
Specific Brand (Contact ZZ Sales)	Special	Special	Special

Defrost Type

Electric (Single-Phase)	STANDARD		
Off Cycle	Optional	STANDARD	STANDARD
Electric (3-Phase)	Optional		
Hot Gas	Optional		

Liquid Line Shut Off

Liquid Line Hand Valve	STANDARD	STANDARD	STANDARD
Liquid Line Ball Valve	Optional	Optional	Optional
Specific Brand (Contact ZZ Sales)	Special	Special	Special

Heat Exchanger

No	Optional	STANDARD	STANDARD
Yes - Liquid to Suction	Optional		

Available Add-Ons:

- Filter and/or Drier
- Solenoid Valve Liquid Line

1001

Features

Electrical Service

115V - 1PH - 60HZ	Optional	STANDARD	STANDARD
115/208V - 1PH - 60HZ	STANDARD	Hybrid	Hybrid
208V - 3PH -60HZ	Special		

RVMC30

RVMC24

RVLC30

Electrical Connection

EOT (Electric Out Top)	STANDARD	STANDARD	STANDARD
ETB (Electric To Bottom)	Optional	Optional	Optional
EOB (Electric Out Back)	Optional	Optional	Optional

Anti-Sweat Controls

CPC ACCII (w/ Master & Modbus Term. Block)	Optional	
CPC ACCII (w/ Master & No Term. Block)	Optional	

Also Available

Yes - Seismic	Optional	Optional	Optional
VOC Caulk	Optional	Optional	Optional
Case Control Dimming	Optional	Optional	Optional



THE

CRYSTAL merchandiser®

RVLC30 • RVMC30 • RVMC24

Built in the USA, these innovative display cases maximize the energy efficiency of a closed-door case with the visual display power of open multi-decks. Using industry leading lighting technology and advanced cooling, Crystal Merchandiser reach-in coolers reduce energy costs, reduce product shrink, and improve display capabilities to drive more sales



Heavy duty, 4-Position, angled shelf options. Capable of supporting 350lbs

LIGHTING

Custom color temperatures available in 3500K and 4000K

TEMPERATURE

Dual temp case options provides maximum versatility.

AESTHETICS

Contrast between black interior and colorful product packagaing that creates appealing visuals to the customer.



DAIRY

 The rear loading capability allows you to restock your products without interrupting your shoppers' experience.

DELI



 With 35% more facing, it is easier to see and identify the product helping boost sales and eliminate confusion.

BEVERAGE



 Deep Crystal Merchandiser® display cases with 30" wide doors can fit 4–30 rack cases of beer in-line.

PRODUCE



 Keeping produce behind glass prevents shrinkage up to 50% and ensures it stays fresh

FRESH MEAT



 Top Coil to give this display case a maximum packout of 167.5 f³ with 27" shelves. These heavy-duty shelves can hold up to 250 lbs.

FREEZER



The Coolview® Illusion® doors reach all the way to the edge, letting all your products to be seen.





NOMENCLATURE

The Crystal Merchandiser® is a versatile display case. Its applications include floral displays, produce, dairy, deli, wine, beverages, ice cream, and frozen foods. The deep display cases have a maximum packout of 167.5 f³, and the shelves can hold up to 250 lbs. The CoolView® doors maximize visibility and are nearly invisible, focusing attention on your product.

6RVMC 30D-B

2

4

1 Number of Doors 1, 2, 3, 4, 5, 6

(2) Type of Case **R** = Reach-In/Remote **V** = Crystal Merchandiser® **M/L** – Medium or Low Temp **C** – Cantilever Shelving

Door Width in Inches

24 = 24" French Doors **30** = 30" Standard Swing (4) Special

D = Deep

DT = Dual Temp **IM** = Ice Merchandiser

BC = Bottom Coil

(5) Applications

B = Beverage

D = Dairy/ Deli

F = Floral

M = Meat

P = Produce



RVLCC30IM



RVMC24D-B

RVLC30 Available as Ice Merchandiser, Dual Temp RVLC30IM • RVLC30DT



RVMC30BC

RVLC30DT

RVMC30 Available as Deep, Bottom Coil RVMC30D • RVMC30BC







Quick Specs

Energy (Btu/h per Door)*

Standard: 490 at 28°F Evaporator *when used with parallel rack system

Merchandising (5-Door)

Facings: 74.4 ft²

Packout: 146.8 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 our advanced humidity package

CoolView® Doors

30" wide x 74" tall CoolView® Ultra® Doors

LED Lighting

ChillBrite® 3500K or 4000K LED Lighting

Specialty Cases

The Crystal medium temp lineup offers cases with 30" doors and an optional bottom coil design.

Hybrid™ Display Case

Available as Hybrid[™] cases with R-404A or R-448A

Crystal Merchandiser® RVMC30 Specs

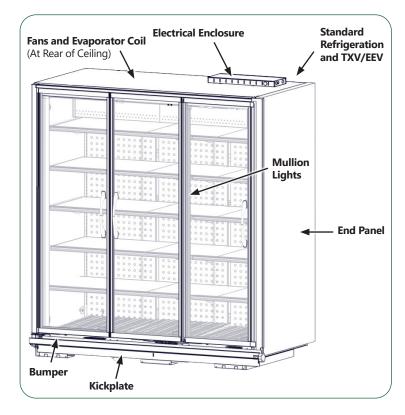
Medium Temp Reach-In Remote Display Cases

2-Door, 3-Door, 4-Door, and 5-Door Cases

Applications









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



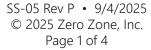
Specifications are subject to change without notice. All dimensions are nominal. Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.



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Crystal Merchandiser® RVMC30 Remote Specs

RVMC30 and RVMC30RL

Refrigeration Data



Set Points	°F
Evaporator Temperature ¹	28
Discharge Air Temperature (w/ 8°F Superheat)	33

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			
Energy Use with Parallel Rack System ²	Per Door Avg	2-Door	3-Door	4-Door	5-Door
RVMC30 Baseline Btu/h	490	1,110	1,570	2,050	2,560
Energy Use with Condensing Unit ²	Per Door Avg	2-Door	3-Door	4-Door	5-Door
RVMC30 Baseline Btu/h	530	1,200	1,695	2,215	2,765
Btu/h Adders	Per Door Avg	2-Door	3-Door	4-Door	5-Door
Rail Heated Doors (Zero Zone CoolView® Ultra®)	+10	+20	+30	+40	+50
Rail & Glass Heated Doors (Zero Zone CoolView® Ultra®)	+40	+80	+120	+160	+200
End Panels	Btu/h Per Case				
Glass Windowed End Panel (1-Pair) ³	+410				

- Notes: 2. Baseline Evaporator Btu/h based on LED lighting (Zero Zone ChillBrite® 4000K), no-energy doors (Zero Zone CoolView® Ultra®), and ECM or SSC electronic fan motors.
- 3. Glass windowed end panels only available with 2 1/2" end panels.

Glycol Data ⁴	2-Door	3-Door	4-Door	5-Door
Flow Rate (GPM)	0.8	1.0	1.4	1.8
Pressure Drop (PSIG)	3.1	4.3	7.2	5.8

Notes:

4. All Glycol data based on 35% propylene glycol by weight, 20°F supply temperature, and 23°-24°F outlet temperature.



	Outlet Size (in.)						
Refrigeration Piping: R-404A & R-448A ⁵	2-Door	3-Door	4-Door	5-Door			
Suction Line O.D. (Top Refrigeration Exit)	1/2	1/2	1/2	1/2			
Liquid Line O.D.	3/8	3/8	3/8	3/8			
Refrigeration Piping: CO ₂ ⁶	2-Door	3-Door	4-Door	5-Door			
Suction Line O.D. (Top Refrigeration Exit)	3/8	3/8	3/8	3/8			
Liquid Line O.D.	3/8	3/8	3/8	3/8			

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

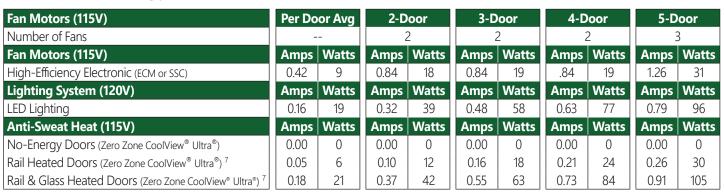
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Crystal Merchandiser® RVMC30 Remote Specs

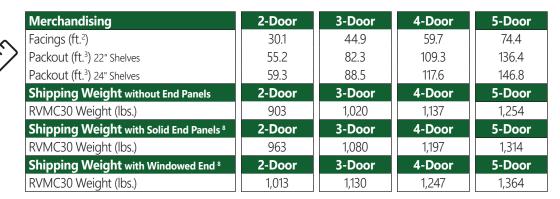
RVMC30 and RVMC30RL

Electrical & Energy Data 6



- 6. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.
- 7. High-humidity package includes in glass heat, rail heat, and mullion heat.

Physical Data



Notes:

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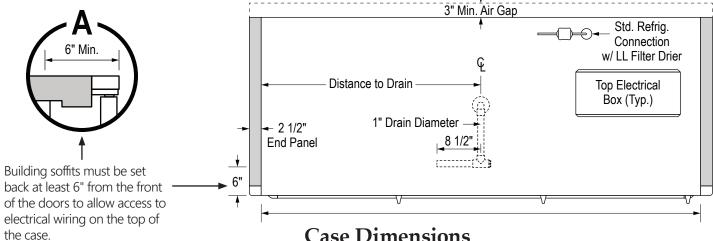
8. Each solid end panel: 30 lbs. Each windowed end panel: 55 lbs.



Crystal Merchandiser® RVMC30 Remote Specs

RVMC30 and RVMC30RL

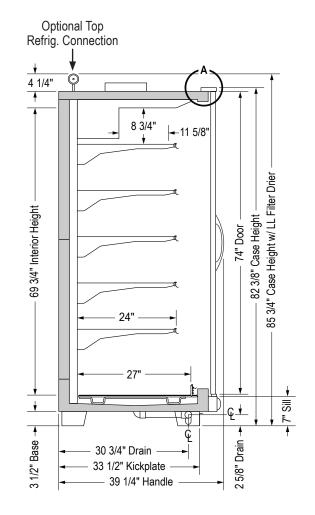
RVMC30 Top View



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	158 3/8
Distance to Drain (in.) without End Panels	31	46 1/4	61 1/2	76 3/4

RVMC30 End View



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Crystal Merchandiser® RVMC30D Specs

Medium Temp Deep Reach-In Remote Display Cases
2-Door, 3-Door, 4-Door, and 5-Door Cases

Applications









Quick Specs

Energy (Btu/h per Door)* Standard: 495 at 28°F Evaporator *when used with parallel rack system

Merchandising (5-Door)

Facings: 74.4 ft²

Packout: 167.5 ft³ with 30" x 27" deep shelves

Features & Options

Go Green

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

High Humidity

Control climate challenges with our advanced humidity package

CoolView® Doors

30" wide x 74" tall CoolView® Ultra® Doors

LED Lighting

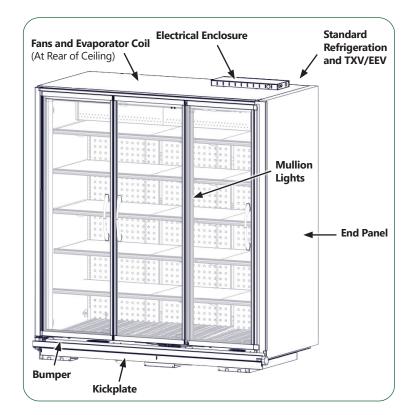
ChillBrite® 3500K and 4000K LED Lighting

Additional Models

The Crystal medium temp lineup offers cases with 30" doors and an optional bottom coil design.

Hybrid™ Display Case

Available as Hybrid™ cases with R-404A or R-448A





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



Specifications are subject to change without notice. All dimensions are nominal.

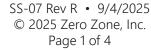
Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.



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Crystal Merchandiser® RVMC30D Remote Specs

Individual Casa Data (includes 1 nais

Refrigeration Data



Set Points	°F
Evaporator Temperature ¹	28
Discharge Air Temperature (w/ 8°F Superheat)	33

Votes:

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 panel			
Energy Use with Parallel Rack System ²	Per Door Avg	2-Door	3-Door	4-Door	5-Door
RVMC30D Baseline Btu/h	495	1,100	1,570	2,050	2,570
Energy Use with Condensing Unit ²	Per Door Avg	2-Door	3-Door	4-Door	5-Door
RVMC30D Baseline Btu/h	535	1,190	1,695	2,215	2,775
Btu/h Adders	Per Door Avg	2-Door	3-Door	4-Door	5-Door
Rail Heated Doors (Zero Zone CoolView Ultra)	+10	+20	+30	+40	+50
Rail & Glass Heated Doors (Zero Zone CoolView Ultra)	+40	+80	+120	+160	+200
End Panels	Btu/h Per Case				
Glass Windowed End Panel (1-Pair) 3	+410				

Notes:

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

Glycol Data ⁴	2-Door	3-Door	4-Door	5-Door
Flow Rate (GPM)	0.8	1.0	1.4	1.8
Pressure Drop (PSIG)	3.1	4.3	7.2	5.8

Notes

4. All Glycol data based on 35% propylene glycol by weight, 20°F supply temperature, and 23°-24°F outlet temperature.



otes:

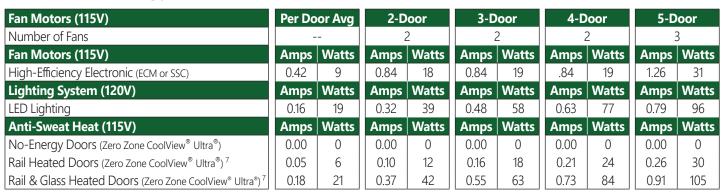
5. Read the Installation & Operation Manual for more about refrigeration piping to properly size individual risers for circuits of more than one case.

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Crystal Merchandiser® RVMC30D Remote Specs

Electrical & Energy Data ⁶



Notes:

- 6. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.
- 7. High-humidity package includes glass heat, rail heat, and mullion heat.

Physical Data

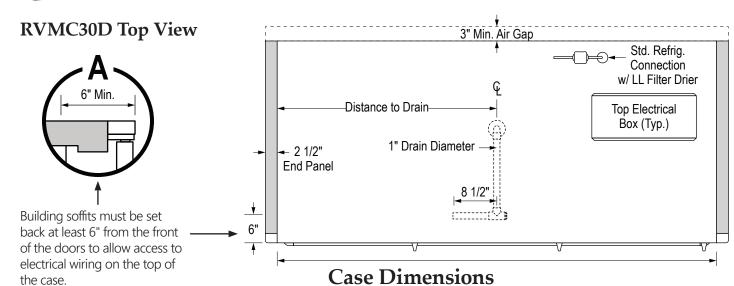
Merchandising	2-Door	3-Door	4-Door	5-Door
Facings (ft. ²)	30.1	44.9	59.7	74.4
Packout (ft.3) 24" Shelves	59.4	88.5	117.6	146.8
Packout (ft.3) 27" Shelves	67.8	101.0	134.3	167.5
Shipping Weight without End Panels	2-Door	3-Door	4-Door	5-Door
RVMC30D Weight (lbs.)	913	1,034	1,155	1,277
Shipping Weight with Solid End Panels 8	2-Door	3-Door	4-Door	5-Door
RVMC30D Weight (lbs.)	973	1,094	1,215	1,337
Shipping Weight with Windowed End 8	2-Door	3-Door	4-Door	5-Door
RVMC30D Weight (lbs.)	1,023	1,144	1,265	1,387

Notes:

8. Each solid end panel: 30 lbs. Each windowed end panel: 55 lbs.

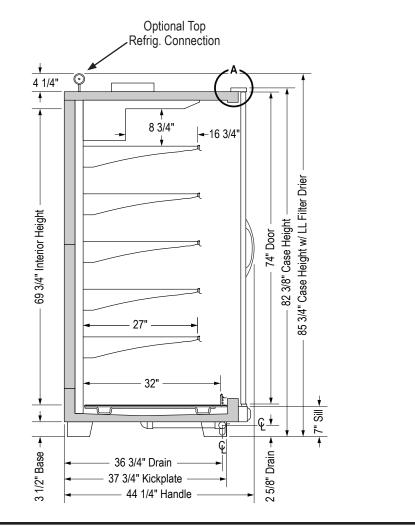


Crystal Merchandiser® RVMC30D Remote Specs



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	158 3/8
Drain Dimension (in.)	31	46 1/4	61 1/2	76 3/4

RVMC30D End View



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Crystal Merchandiser® RVMC30BC Specs

Medium Temp Reach-In Remote Display Cases

2-Door, 3-Door, 4-Door, and 5-Door Cases; Bottom Coil

Produce

Quick Specs Applications



*when used with parallel rack system

Merchandising (5-Door)

Facings: 70.2 ft²

Packout: 127.1 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 our advanced humidity package

CoolView® Doors

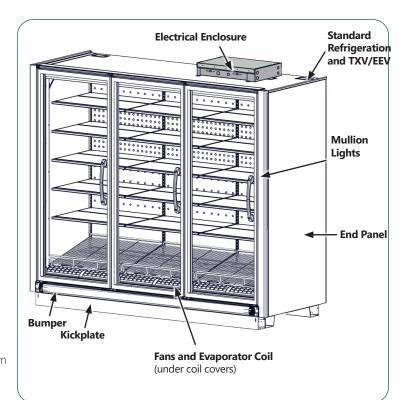
30" wide x 74" tall CoolView® Illusion® Doors

LED Lighting

ChillBrite® 3500K and 4000K LED Lighting

Additional Models

The Crystal medium temp with 30" doors offer a standard, bottom coil, rear load, deep, and deep rear load style.





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



Specifications are subject to change without notice. All dimensions are nominal.

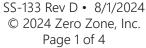
Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.



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Crystal Merchandiser® RVMC30BC Remote Specs

RVMC30B0

Refrigeration Data 1



Set Points	Avg
Evaporator Temperature (°F) ²	28
Discharge Air Temperature (°F) (w/ 8°F Superheat)	33

Notes:

- 1. Crystal Merchandiser® Rear Load cases must be installed in front of the opening in a walk-in cooler.
- 2. 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)			
Energy Use with Parallel Rack System ³	Per Door Avg	2-Door	3-Door	4-Door	5-Door
RVMC30BC Baseline Btu/h	495	875	1,445	2,015	2,585
Btu/h Adders	Per Door Avg	2-Door	3-Door	4-Door	5-Door
Rail Heated Doors (Zero Zone CoolView® Illusion®)	+10	+20	+30	+40	+50
Rail & Glass Heated Doors (Zero Zone CoolView® Illusion®)	+40	+80	+120	+160	+200

Notes:

3. 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.

Off-Cycle Defrost	R-404A	R-448A	CO ₂
Time Per Defrost (Minutes)	45	45	45
Drip Time	N/A	N/A	N/A
EPR Settings (PSIG)	52	55	461
Frequency (Per Day)	4	4	4



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

Notes:

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

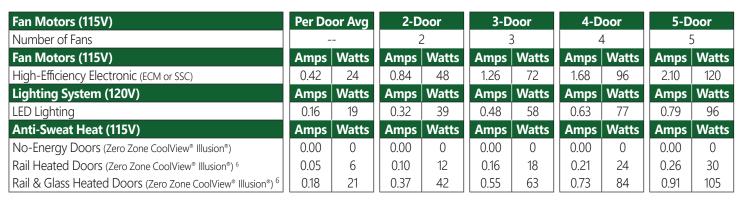
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Crystal Merchandiser® RVMC30BC Remote Specs

RVMC30BC

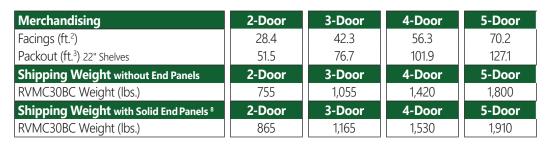
Electrical & Energy Data 5



Notes:

- 5. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.
- 6. High-humidity package includes glass heat, rail heat, and mullion heat.

Physical Data



Notes:

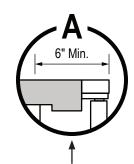
8. Each solid end panel: 55 lbs.



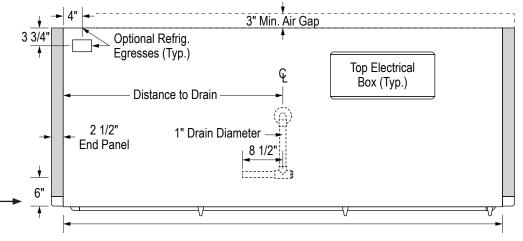
Crystal Merchandiser® RVMC30BC Remote Specs

RVMC30BC

RVMC30BC Top View



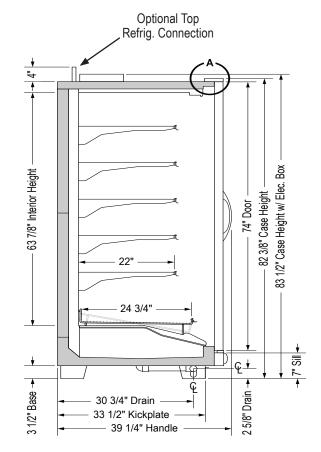
Building soffits must be set back at least 6" from the front of the doors to allow access to electrical wiring on the top of the case.



Case Dimensions

Measurements	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	158 3/8
Distance to Drain (in.) without End Panels	31	46 1/4	61 1/2	76 3/4

RVMC30BC End View



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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 ft²

Packout: 136.1 ft³ with 30" x 24" deep shelves

Features & Options

Go Green

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

Control climate challenges with advanced humidity package.

CoolView® Doors

30" wide x 74" tall CoolView® Illusion® Doors

LED Lighting

ChillBrite® 4000K LED Lighting

Additional Models

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

Hybrid™ Display Case

Available as Hybrid™ cases with R-404A or R-448A.

Crystal Merchandiser® RVLC30 Specs

Low Temp Reach-In Remote Display Cases

2-Door, 3-Door, 4-Door, and 5-Door Cases

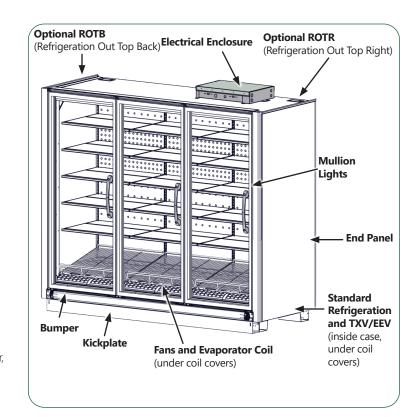
Applications





Ice Cream

Frozen Food





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



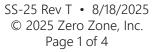
Specifications are subject to change without notice. All dimensions are nominal. Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.



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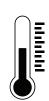






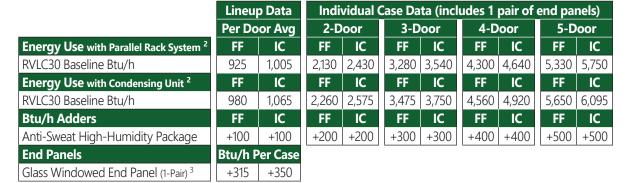
Crystal Merchandiser® RVLC30 Remote Specs

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

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





- 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 ₂ ⁴	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	

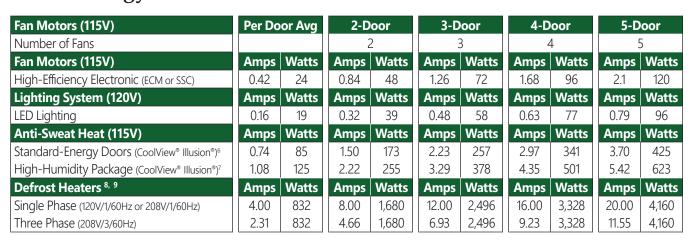
4. Read the Installation & Operation Manual for more about refrigeration piping to properly size individual risers for circuits of more than one case.

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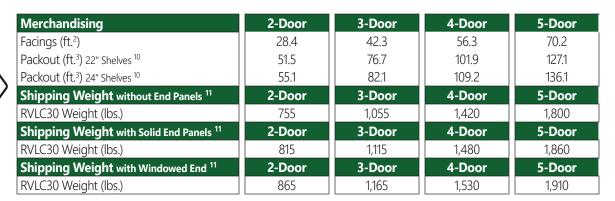




Notes:

- 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

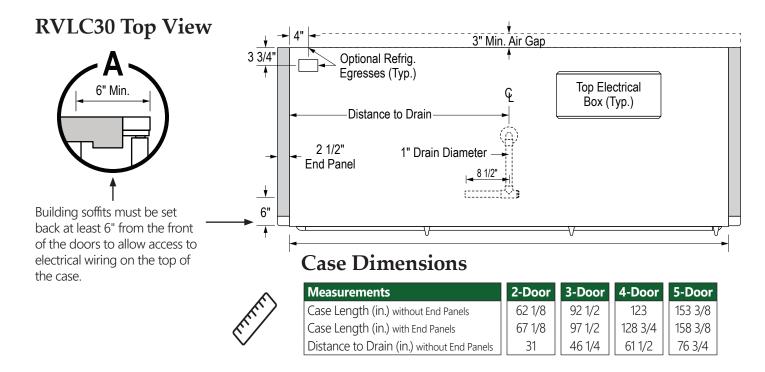


Notes:

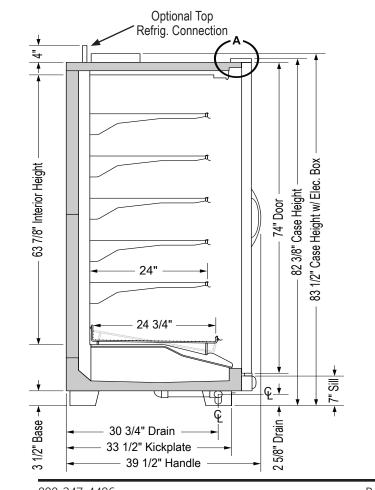
- 10. Available with 6" tall bottom baskets instead of bottom wire racks.
- 11. Each solid end panel: 30 lbs. Each windowed end panel: 55 lbs.

ZERO ZONE

Crystal Merchandiser® RVLC30 Remote Specs



RVLC30 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.

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Crystal Merchandiser® RVLC30IM Specs

Low Temp Ice Merchandiser Reach-In Remote Display Cases
2-Door and 3-Door Cases

Applications



Quick Specs

Energy (Btu/h per Door)*

Standard: 910 at 0°F Evaporator *when used with parallel rack system

Merchandising (3-Door)

Facings: 42.3 ft²

Packout: 82.1 ft³ with 30" x 24" deep shelves

Max Packout Weight: 2,460 lbs.

Features & Options

Go Green

Remote cases ready for CO_{2.} 90-bar rating available.

High Humidity

Control climate challenges with our advanced humidity package

CoolView® Doors

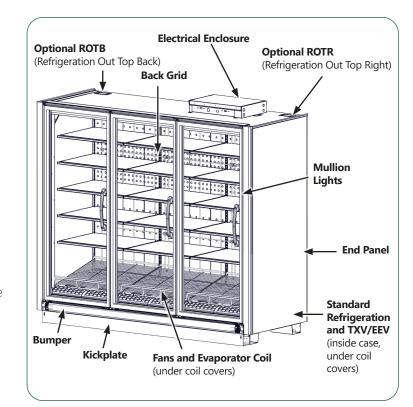
30" wide x 74" tall CoolView® Illusion® Doors

LED Lighting

ChillBrite® 4000K LED Lighting

Additional Models

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





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



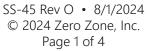
Specifications are subject to change without notice. All dimensions are nominal. Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.



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® | |

Crystal Merchandiser® RVLC30IM Remote Specs

RVLC30IM

Refrigeration Data



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

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)			
Energy Use with Parallel Rack System 2	Per Door Avg	2-Door	3-Door		
RVLC30 Baseline Btu/h	910	1,970	2,880		
Energy Use with Condensing Unit ²	Per Door Avg	2-Door	3-Door		
RVLC30 Baseline Btu/h	965	2,090	3,055		
Btu/h Adders	Per Door Avg	2-Door	3-Door		
Anti-Sweat High-Humidity Package	+100	+200	+300		
End Panels	Btu/h Per Case				
Glass Windowed End Panel (1-Pair) ³	+288				

Notes:

- 2. Baseline Evaporator Btu/h based on LED lighting (Zero Zone ChillBrite® 4000K), no-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 S	Size (in.)
Refrigeration Piping: R-404A & R-448A 4	2-Door	3-Door
Suction Line O.D. (Standard Refrigeration Exit)	7/8	7/8
Suction Line O.D. (Top Refrigeration Exit)	5/8	5/8
Liquid Line O.D. (Electric Defrost)	3/8	3/8
Liquid Line O.D. (Hot Gas Defrost)	1/2	1/2
Refrigeration Piping: CO ₂ ⁴	2-Door	3-Door
Suction Line O.D. (Standard Refrigeration Exit)	1/2	1/2
Suction Line O.D. (Top Refrigeration Exit)	1/2	1/2
Liquid Line O.D. (Electric Defrost)	3/8	3/8
Liquid Line O.D. (Hot Gas Defrost)	1/2	1/2

Notes:

4. Individual risers for circuits of more than one case require refrigeration line sizing by Zero Zone. Refer to the Installation & Operation Manual for details.

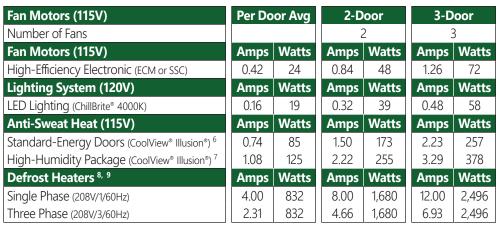
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Crystal Merchandiser® RVLC30IM Remote Specs

RVLC30IM

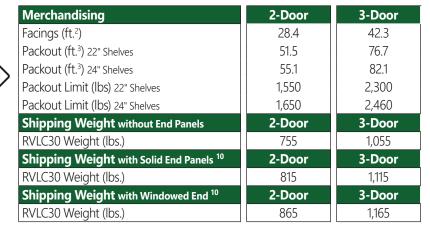
Electrical & Energy Data 5



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



Notes:

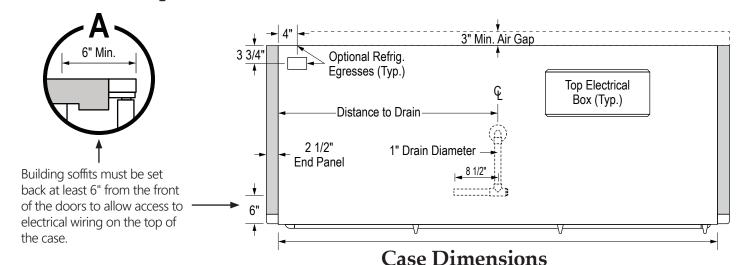
10. Each solid end panel: 30 lbs. Each windowed end panel: 55 lbs.



Crystal Merchandiser® RVLC30IM Remote Specs

RVLC30IM

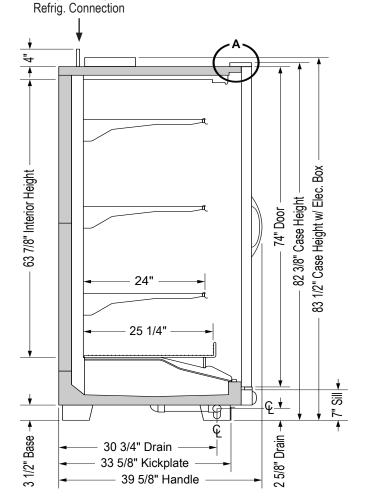
RVLC30IM Top View



RVLC30IM End View

Optional Top

Measurements2-Door3-DoorCase Length (in.) without End Panels62 1/892 1/2Case Length (in.) with End Panels67 1/897 1/2Distance to Drain (in.) without End Panels3146 1/4



Coil cover support posts, protective rear wall grid, and heavy duty bottom wire rack per door are included.

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Crystal Merchandiser® RVMC24 Specs

Medium Temp Reach-In Remote Display Cases

Applications

2-Door, 3-Door, 4-Door, and 6-Door Cases

Quick Specs

Energy (Btu/h per Door)*

Standard: 410 at 28°F Evaporator *when used with parallel rack system

Merchandising (6-Door)

Facings: 69.8 ft²

Packout: 133.4 ft³ with 24" x 24" deep shelves

Features & Options

Go Green

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

High Humidity

Control climate challenges with our advanced humidity package

CoolView® Doors

24" wide x 74" tall CoolView® Ultra® Doors

LED Lighting

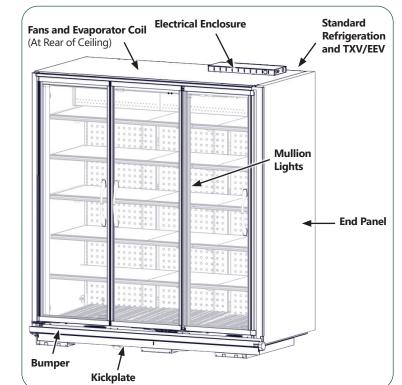
ChillBrite® 3500K or 4000K LED Lighting

Additional Models

The Crystal medium temp lineup offers cases with 30" doors and an optional bottom coil design.

Hybrid™ Display Case

Available as Hybrid™ cases with R-404A or R-448A





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



Specifications are subject to change without notice. All dimensions are nominal.

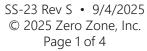
Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.



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Crystal Merchandiser® RVMC24 Remote Specs

Refrigeration Data



Set Points	°F
Evaporator Temperature ¹	28
Discharge Air Temperature (w/ 8°F Superheat)	33

Notes:

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

	Lineup Data	neup Data Individual Case Data (includes 1 pair of end panel			end panels)
Energy Use with Parallel Rack System ²	Per Door Avg	2-Door	3-Door	4-Door	6-Door
RVMC24 Baseline Btu/h	410	930	1,360	1,740	2,560
Energy Use with Condensing Unit ²	Per Door Avg	2-Door	3-Door	4-Door	6-Door
RVMC24 Baseline Btu/h	440	1,005	1,470	1,880	2,765
Btu/h Adders	Per Door Avg	2-Door	3-Door	4-Door	6-Door
Rail Heated Doors (Zero Zone CoolView® Ultra®)	+10	+20	+30	+40	+60
Rail & Glass Heated Doors (Zero Zone CoolView® Ultra®)	+30	+60	+90	+120	+180
End Panels	Btu/h Per Case				
Glass Windowed End Panel (1-Pair) 3	+410				



Votes.

- 2. Baseline Evaporator Btu/h based on LED lighting (Zero Zone ChillBrite® 4000K), no-energy doors (Zero Zone CoolView® Ultra®), and ECM or SSC electronic fan motors.
- 3. Glass windowed end panels only available with 2 1/2" end panels.

Glycol Data ⁴	2-Door	3-Door	4-Door	6-Door
Flow Rate (GPM)	0.6	0.8	1.2	1.8
Pressure Drop (PSIG)	2.0	3.3	6.1	5.8

Notes:

4. All Glycol data based on 35% propylene glycol by weight, 20°F supply temperature, and 23°-24°F outlet temperature.



	Outlet Size (in.)			
Refrigeration Piping: R-404A & R-448A ⁵	2-Door	3-Door	4-Door	6-Door
Suction Line O.D. (Top Refrigeration Exit)	1/2	1/2	1/2	1/2
Liquid Line O.D.	3/8	3/8	3/8	3/8
Refrigeration Piping: CO ₂ ⁵	2-Door	3-Door	4-Door	4-Door
Suction Line O.D. (Top Refrigeration Exit)	3/8	3/8	3/8	3/8
Liquid Line O.D.	3/8	3/8	3/8	3/8

Notes:

5. Individual risers for circuits of more than one case require refrigeration line sizing by Zero Zone. Refer to the Installation & Operation Manual for details.

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Crystal Merchandiser® RVMC24 Remote Specs

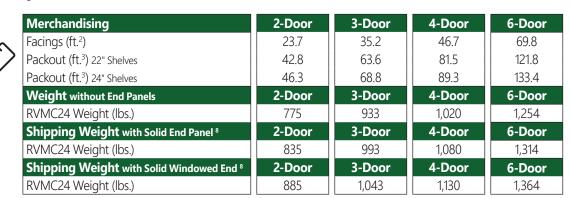
Electrical & Energy Data ⁶

Fan Motors (115V)	Per Do	or Avg	2-D	oor	3-D	oor	4-D	oor	6-D	oor
Number of Fans	-			2		2		2	3	3
Fan Motors (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
High-Efficiency Electronic (ECM or SSC)	0.42	8	0.84	15	0.84	22	.84	25	1.26	31
Lighting System (120V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
Same-Swing Doors (Fig. 1: Options A & B)	0.16	19	0.33	39	0.48	58	0.64	77	1.00	115
French-Swing Doors (Fig. 1: Options C, D, E, F for 3-Door)	0.15	18	0.30	36	0.53	64	0.60	72	0.90	108
Anti-Sweat Heat (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
No-Energy Doors (Zero Zone CoolView® Ultra®)	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
Rail Heated Doors (Zero Zone CoolView® Ultra®) 7	0.05	6	0.09	10	0.14	16	0.19	22	0.28	32
Rail & Glass Heated Doors (Zero Zone CoolView® Ultra®) 7	0.16	18	0.31	36	0.47	54	0.63	72	0.94	108

Note:

- 6. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.
- 7. High-humidity package includes glass heat, rail heat, and mullion heat.

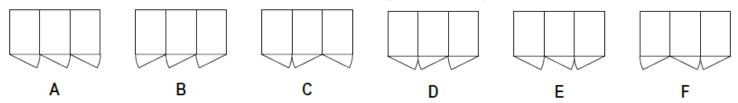
Physical Data



Notes:

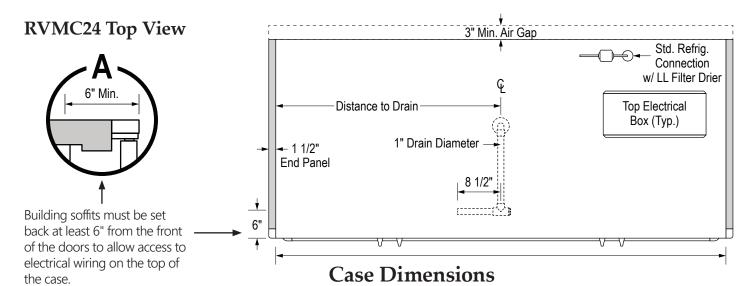
8. Each solid end panel: 30 lbs. Each Windowed End: 55 lbs.

FIG. 1: 3-Door Configuration Options



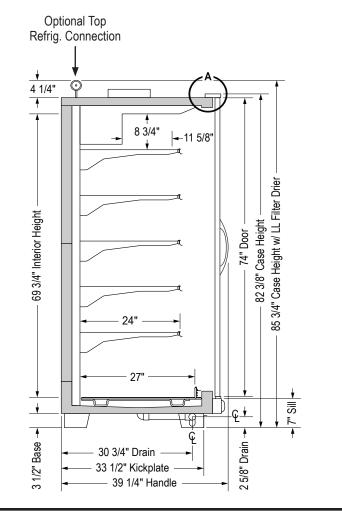
ZERO ZONE

Crystal Merchandiser® RVMC24 Remote Specs



Measurements	2-Door	3-Door	4-Door	6-Door
Case Length (in.) without End Panels		72 1/2		
Case Length (in.) with End Panels	53 3/4	77 1/2		
Distance to Drain (in.) without End Panels	24 3/8	36 1/4	48 1/8	71 7/8

RVMC24 End View



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Crystal Merchandiser® RVMC24D Specs

Medium Temp Reach-In Remote Display Cases 2-Door, 3-Door, 4-Door, and 6-Door Cases

Produce

Applications

Quick Specs

Energy (Btu/h per Door)*

Standard: 410 at 28°F Evaporator *when used with parallel rack system

Merchandising (6-Door)

Facings: 69.8 ft²

Packout: 156.5 ft³ with 24" x 24" deep shelves

Features & Options

Go Green

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

High Humidity

Control climate challenges with our advanced humidity package

CoolView® Doors

24" wide x 74" tall CoolView® Ultra® Doors

LED Lighting

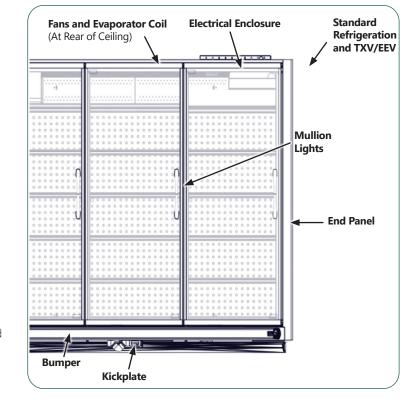
ChillBrite® 3500K and 4000K LED Lighting

Additional Models

The Crystal medium temp lineup offers cases with 30" doors and an optional bottom coil design.

Hybrid™ Display Case

Available as Hybrid™ cases with R-404A or R-448A





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

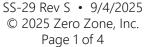


Specifications are subject to change without notice. All dimensions are nominal. Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.













Crystal Merchandiser® RVMC24D Remote Specs

Refrigeration Data



Set Points	°F
Evaporator Temperature ¹	28
Discharge Air Temperature (w/ 8°F Superheat)	33

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					
Energy Use with Parallel Rack System ²	Per Door Avg	2-Door	3-Door	4-Door	6-Door		
RVMC24D Baseline Btu/h	410	930	1,360	1,740	2,570		
Energy Use with Condensing Unit ²	Per Door Avg	2-Door	3-Door	4-Door	6-Door		
RVMC24D Baseline Btu/h	445	1,005	1,470	1,880	2,775		
Btu/h Adders	Per Door Avg	2-Door	3-Door	4-Door	6-Door		
Rail Heated Doors (Zero Zone CoolView® Ultra®)	+10	+20	+30	+40	+60		
Rail & Glass Heated Doors (Zero Zone CoolView® Ultra®)	+30	+60	+90	+120	+180		
End Panels	Btu/h Per Case						
Glass Windowed End Panel (1-Pair) 3	+410						

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

Glycol Data ⁴	2-Door	3-Door	4-Door	6-Door
Flow Rate (GPM)	0.6	0.8	1.2	1.8
Pressure Drop (PSIG)	2.0	3.3	6.1	5.8

Notes:

4. All Glycol data based on 35% propylene glycol by weight, 20°F supply temperature, and 23°-24°F outlet temperature.



		Outlet Size (in.)					
Refrigeration Piping: R-404A & R-448A ⁵	2-Door	3-Door	4-Door	6-Door			
Suction Line O.D. (Top Refrigeration Exit)	1/2	1/2	1/2	1/2			
Liquid Line O.D.	3/8	3/8	3/8	3/8			
Refrigeration Piping: CO ₂ ⁵	2-Door	3-Door	4-Door	6-Door			
Suction Line O.D. (Top Refrigeration Exit)	3/8	3/8	3/8	3/8			
Liquid Line O.D.	3/8	3/8	3/8	3/8			

Notes:

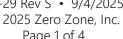
5. Read the Installation & Operation Manual for more about refrigeration piping to properly size individual risers for circuits of more than

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Crystal Merchandiser® RVMC24D Remote Specs

Electrical & Energy Data ⁶

Fan Motors (115V)	Per Do	or Avg	2-Door 3-Door		4-D	oor	6-D	oor		
Number of Fans	-	-	á	2	á	2		2	3	3
Fan Motors (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
High-Efficiency Electronic (ECM or SSC)	0.42	8	0.84	15	0.84	22	.84	25	1.26	31
Lighting System (120V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
Same-Swing Doors (Fig. 1: Options A & B)	0.16	19	0.33	39	0.48	58	0.64	77	1.00	115
French-Swing Doors (Fig. 1: Options C, D, E, F for 3-Door)	0.15	18	0.30	36	0.53	64	0.60	72	0.90	108
Anti-Sweat Heat (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
No-Energy Doors (Zero Zone CoolView® Ultra®)	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
Rail Heated Doors (Zero Zone CoolView® Ultra®) 7	0.05	6	0.09	10	0.14	16	0.19	22	0.28	32
Rail & Glass Heated Doors (Zero Zone CoolView® Ultra®)	0.16	18	0.31	36	0.47	54	0.63	72	0.94	108

Notes

- 6. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.
- 7. High-humidity package includes glass heat, rail heat, and mullion heat.

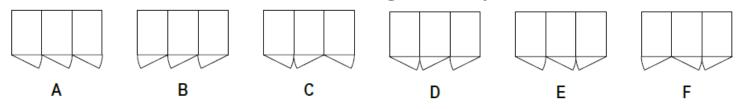
Physical Data

Merchandising	2-Door	3-Door	4-Door	6-Door
Facings (ft. ²)	23.7	35.2	46.7	69.8
Packout (ft.3) 24" Shelves	48.1	71.5	95.1	141.9
Packout (ft.3) 27" Shelves	53.0	78.8	104.8	156.5
Shipping Weight without End Panels	2-Door	3-Door	4-Door	6-Door
RVMCD Weight (lbs.)	775	933	1,020	1,254
Shipping Weight with End Panels 8	2-Door	3-Door	4-Door	6-Door
RVMCD Weight (lbs.)	835	993	1,080	1,314
Shipping Weight with Windowed End 8	2-Door	3-Door	4-Door	6-Door
RVMCD Weight (lbs.)	885	1,043	1,130	1,364

Notes:

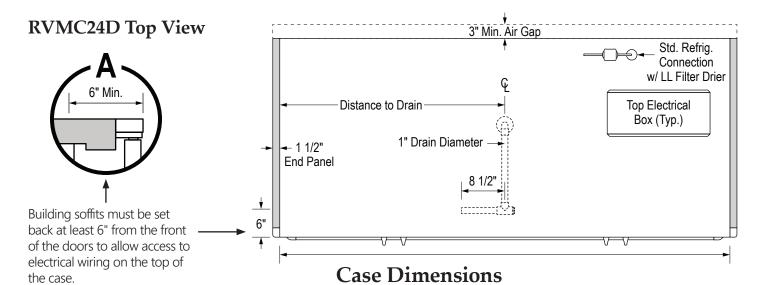
8. Each solid end panel: 30 lbs. Each Windowed End: 55 lbs.

FIG. 1: 3-Door Configuration Options



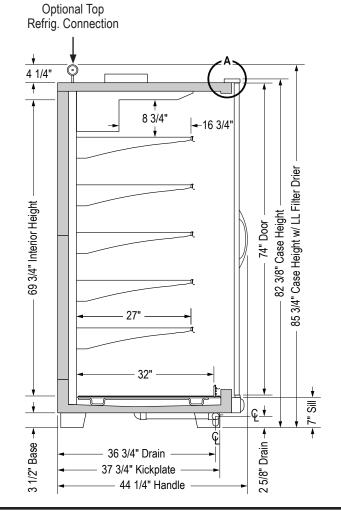
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Crystal Merchandiser® RVMC24D Remote Specs



Measurements	2-Door	3-Door	4-Door	6-Door
Case Length (in.) without End Panels	48 3/4	72 1/2	96 3/8	143 7/8
Case Length (in.) with End Panels	53 3/4	77 1/2	101 3/8	148 7/8
Distance to Drain (in.) without End Panels	24 3/8	36 1/4	48 1/8	71 7/8

RVMC24D End View



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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 ft²

Packout: 136.1 ft³ with 30" x 24" deep shelves

Features & Options

Remote cases ready for CO₂. 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

Additional Models

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

Dual Temp Reach-In Remote Display Cases 2-Door, 3-Door, 4-Door, and 5-Door Cases





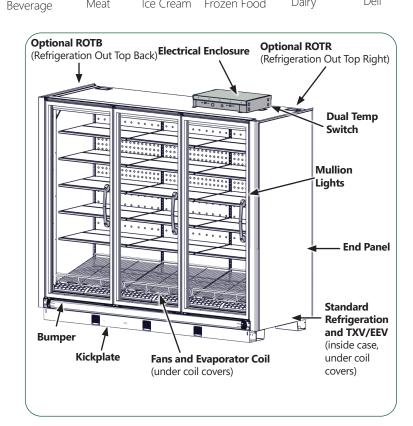








Ice Cream Frozen Food





Manuals and Instructions:

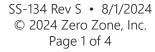


Specifications are subject to change without notice. All dimensions are nominal. Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.













Crystal Merchandiser® RVLC30DT Remote Specs

RVLC30DT

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Refrigeration Data



Set Points	Frozen Food (FF)	Ice Cream (IC)	Medium Temp
Evaporator Temperature (°F) 1	-7	-16	28
Discharge Air Temperature (°F) (w/ 8°F Superheat)	-3	-12	34

- For high-glide refrigerants, use dew point for unit sizing. Adjust evaporator pressure as needed to maintain discharge air temperatures.
- 2. Evaporator temperature if EPR is used.

	Lineup Data Individual C			ual Case Data (includes 1 pair of end panels)						
	Per Do	or Avg	2-D	oor	3-D	oor	4-D	oor	5-D	oor
Low Temp Energy Use with Parallel Rack System 2	FF	IC	FF	IC	FF	IC	FF	IC	FF	IC
RVLC30DT Baseline Btu/h	925	1,005	2,130	2,430	3,280	3,540	4,300	4,640	5,330	5,750
Energy Use with Condensing Unit ²	FF	IC	FF	IC	FF	IC	FF	IC	FF	IC
RVLC30DT Baseline Btu/h	980	1,065	2,260	2,575	3,475	3,750	4,560	4,920	5,650	6,095
Btu/h Adders	FF	IC	FF	IC	FF	IC	FF	IC	FF	IC
Anti-Sweat High-Humidity Package	+100	+100	+200	+200	+300	+300	+400	+400	+500	+500
End Panels	Btu/h F	er Case								
Glass Windowed End Panel (each) 3	+315	+350								



	Lineup Data	Individual Case Data (includes 1 pair of end panels)						
Medium Temp Energy Use with Parallel Rack System ³	Per Door Avg	2-Door	3-Door	4-Door	5-Door			
RVMC30DT Baseline Btu/h	495	875	1,445	2,015	2,585			
Btu/h Adders	Per Door Avg	2-Door	3-Door	4-Door	5-Door			
Rail Heated Doors (Zero Zone CoolView® Illusion®)	+10	+20	+30	+40	+50			
Rail & Glass Heated Doors (Zero Zone CoolView® Illusion®)	+40	+80	+120	+160	+200			

- 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 ₂ ⁴	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

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

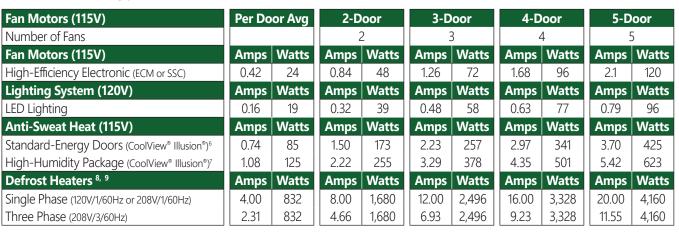
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Crystal Merchandiser® RVLC30DT Remote Specs

RVLC30DT

Electrical & Energy Data 5





- 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, sill heat, and a deep coil.
- 7. High-humidity package includes 10% increase in glass heat, rail heat, sill 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.

Off-Cycle Defrost 10, 11	R-404A	R-448A	CO ₂
Time Per Defrost (Minutes)	45	45	45
Drip Time	N/A	N/A	N/A
EPR Settings (PSIG)	52	55	461
Frequency (Per Day)	4	4	4

Notes:

- 10. No door heat in medium temp mode.
- 11. No defrost heat in medium temp mode, off cycle defrost 4x a day

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	51.5	76.7	101.9	127.1
	Packout (ft.3) 24" Shelves	55.1	82.1	109.2	136.1
	Shipping Weight without End Panels 12	2-Door	3-Door	4-Door	5-Door
	RVLC30DT Weight (lbs.)	755	1,055	1,420	1,800
	Shipping Weight with Solid End Panels 12	2-Door	3-Door	4-Door	5-Door
	RVLC30DT Weight (lbs.)	815	1,115	1,480	1,860
	Shipping Weight with Windowed End 12	2-Door	3-Door	4-Door	5-Door
	RVLC30DT Weight (lbs.)	865	1,165	1,530	1,910

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Notes:

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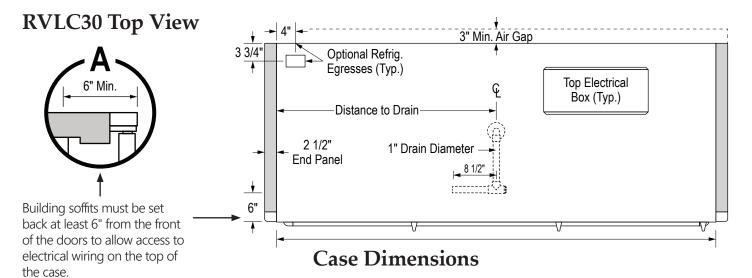
12. Each solid end panel: 30 lbs for RVLC30DT. Each windowed end panel: 55 lbs for RVLC30DT



Crystal Merchandiser® RVLC30DT Remote Specs

RVLC30DT

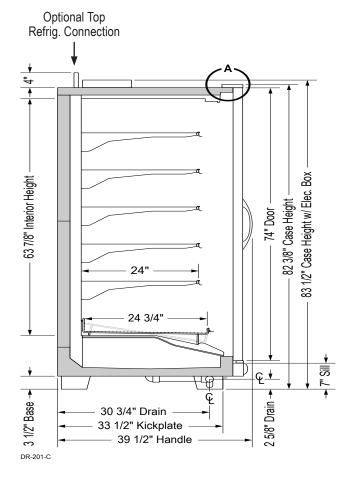
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Vleasurements	2-Door	3-Door	4-Door	5-Door
Case Length (in.) without End Panels	62 1/8	92 1/2	123	153 3/8
Case Length (in.) with End Panels	67 1/8	97 1/2	128	158 3/8
Distance to Drain (in.) without End Panels	31	46 1/4	61 1/2	76 3/4

RVLC30DT End View



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NSF.



WARRANTY

1-YEAR PARTS 10-YEAR GLASS PACK 5-YEAR LED PARTS

CT-02 REV A