



Crystal Merchandiser® RVMC30 Specs

Medium Temp Reach-In Remote Display Cases

2-Door, 3-Door, 4-Door, and 5-Door Cases; Rear Load (RL) Cases

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

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 with 30" doors offer a standard, bottom coil, rear load, deep, and deep rear load style

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

Manuals and Instructions:

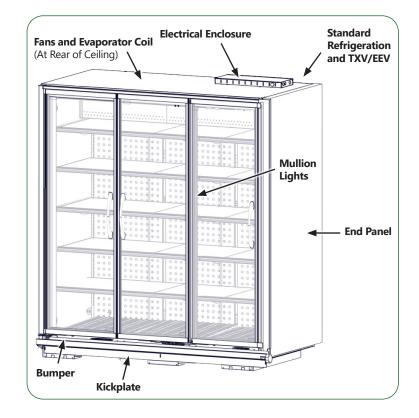


Dairv



Produce







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.





https://www.zero-zone.com/rvmc-rvlc

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Refrigeration Data¹

Set Points	°F
Evaporator Temperature ²	28
Discharge Air Temperature (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	neup Data Individual Case Data (includes 1 pair of e					
Energy Use with Parallel Rack System ³	Per Door Avg	2-Door	3-Door	4-Door	5-Door		
RVMC30 Baseline Btu/h	490	1,110	1,570	2,050	2,560		
RVMC30RL Baseline Btu/h	490	1,110	1,570	2,050	2,560		
Energy Use with Condensing Unit ³	Per Door Avg	2-Door	3-Door	4-Door	5-Door		
RVMC30 Baseline Btu/h	530	1,200	1,695	2,215	2,765		
RVMC30RL 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) ⁴	+410						

Notes:

- 3. 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.
- 4. Glass windowed end panels only available with 2 1/2" end panels.

Glycol Data ⁵	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:

5. 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 6	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				

Notes:

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



RVMC30 and RVMC30RL

Electrical & Energy Data 7

Fan Motors (115V)	Per Do	or Avg	2-D	oor	3-D	oor	4-D	oor	5-D	oor
Number of Fans	-	-		2		2	â	2		3
Fan Motors (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
High-Efficiency Electronic (ECM or SSC)	0.42	9	0.84	18	0.84	19	.84	19	1.26	31
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
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 [®]) ⁸	0.05	6	0.10	12	0.16	18	0.21	24	0.26	30
Rail & Glass Heated Doors (Zero Zone CoolView® Ultra®) 8	0.18	21	0.37	42	0.55	63	0.73	84	0.91	105

Notes:

7. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.

8. High-humidity package includes in 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) 22" Shelves	55.2	82.3	109.3	136.4
Packout (ft. ³) 24" Shelves	59.3	88.5	117.6	146.8
Shipping Weight without End Panels	2-Door	3-Door	4-Door	5-Door
RVMC30 Weight (lbs.)	903	1,020	1,137	1,254
RVMC30RL Weight (lbs.)	903	1,020	1,137	1,254
Shipping Weight with Solid End Panels ⁹	2-Door	3-Door	4-Door	5-Door
RVMC30 Weight (lbs.)	963	1,080	1,197	1,314
RVMC30RL Weight (lbs.)	963	1,080	1,197	1,314
Shipping Weight with Windowed End ⁹	2-Door	3-Door	4-Door	5-Door
RVMC30 Weight (lbs.)	1,013	1,130	1,247	1,364
RVMC30RL Weight (lbs.)	1,013	1,130	1,247	1,364

Notes:

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



Crystal Merchandiser[®] RVMC30 Remote Specs

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67 1/8

31

92 1/2

97 1/2

46 1/4

123

128

61 1/2

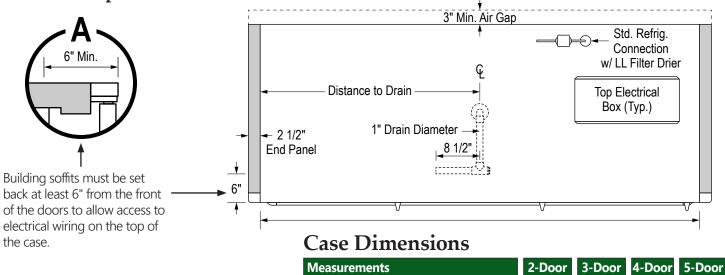
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158 3/8

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RVMC30 and RVMC30RL

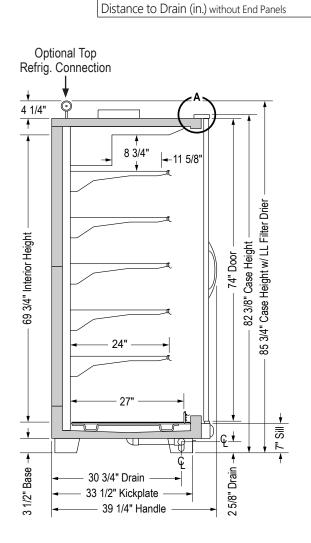
RVMC30 Top View



Case Length (in.) without End Panels

Case Length (in.) with End Panels

RVMC30 End View





Crystal Merchandiser® RVMC30 Remote Specs

RVMC30 and RVMC30RL

RVMC30RL Top View

