



# Crystal™ Merchandiser RVMC24RL Rear Load Specs

Medium Temp Rear Load Reach-Ins with 24" x 74" CoolView™ Doors  
 RVMC24RL-(B,D,P,M): RL=Rear Load (B=Beverage, D=Dairy/Deli, P=Produce, M=Meat)

**Note:** All Zero Zone display cases manufactured for shipment within the U.S. meet or exceed current DOE energy requirements.

## ENERGY DATA

Refrigeration <sup>5</sup>	
(see note #1 for components included in baseline Btuh)	
Evaporator Temperature (°F)	
Baseline Btuh <sup>1,2</sup>	
Discharge Air Temp. (°F) (w/ 8°F Superheat)	
Btuh Adders	
Rail Heated Doors	
Rail & Glass Heated Doors	
Optional Glass Windowed End Panel (Each) <sup>4</sup>	

## LINEUP DATA

Per Door Avg.
28
410
33
Btuh
10
30
410

## INDIVIDUAL CASE DATA (Includes 1 Pair of End Panels)

2-Door (4') 2RVMC24RL	3-Door (6') 3RVMC24RL	4-Door (8') 4RVMC24RL	6-Door (12') 6RVMC24RL
28	28	28	28
930	1,360	1,740	2,560
33	33	33	33

Glycol Data *	
Flow Rate (GPM)	
Pressure Drop (PSIG)	

2-Door (4')	3-Door (6')	4-Door (8')	6-Door (12')
0.6	0.8	1.2	1.8
3.0	4.2	5.5	6.1

\* All glycol data based on 35% Propylene Glycol by weight, 20°F Supply Temperature, and 23°-24°F Outlet Temperature.

Fan Motors (115V) <sup>3</sup>	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
High Efficiency Electronic (SSC/ECM)	0.30	8	0.60	15	0.60	22	0.60	25	0.90	31
Lighting System (120V) (other LED options available)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
LED Lighting (Zero Zone ChillBrite™ 4)	0.15	18	0.30	36			0.60	72	0.90	108
Left or Right-Hand Swing 2-Door. Option A, B, 3-Door, 4-Door, 6-Door (see Fig. 1 on next page)	0.16	19	0.33	39	0.48	58	0.64	77	1.00	115
Option C, D, E, F, 3-Door (see Fig. 1 on next page)	0.18	21			0.53	64				
Anti-Sweat Door Heaters (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
No-Energy Doors (Zero Zone CoolView™)	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
Rail Heated Doors (Zero Zone CoolView™)	0.05	6	0.09	10	0.14	16	0.19	22	0.28	32
Rail & Glass Heated Doors (Zero Zone CoolView™)	0.16	18	0.31	36	0.47	54	0.63	72	0.94	108

### Notes:

1. Baseline Evaporator Btuh based on parallel rack system, LED Lighting (Zero Zone ChillBrite™ 4), no-energy doors (Zero Zone CoolView™), and SSC/ECM electronic fan motors.
2. For condensing units (non-rack system), multiply total Btuh rating by 1.08.
3. Amps are based on electrical nameplate values, watts are based on laboratory observations of actual energy use.
4. Glass windowed end panels only available with 2 1/2" end panels.
5. Crystal™ Merchandiser Rear Load cases must be installed in front of the opening in a walk-in cooler.

## PHYSICAL DATA

Baseline R-404A Refrigeration Piping	Outlet Size (in.)	# of Doors	Weight (lbs.)	Facings (ft. <sup>2</sup> )	Case Capacity Packout (ft. <sup>3</sup> )	22"/24" Shelves
Suction Line O.D. (Top Refrig.)	1/2	2	775	23.7	42.8	46.3
Liquid Line O.D.	3/8	3	933	35.2	63.6	68.8
		4	1,020	46.7	81.5	89.3
		6	1,254	69.8	121.8	133.4
		Solid End Panel	30	N/A	N/A	N/A
		Glass End Panel	55	N/A	N/A	N/A

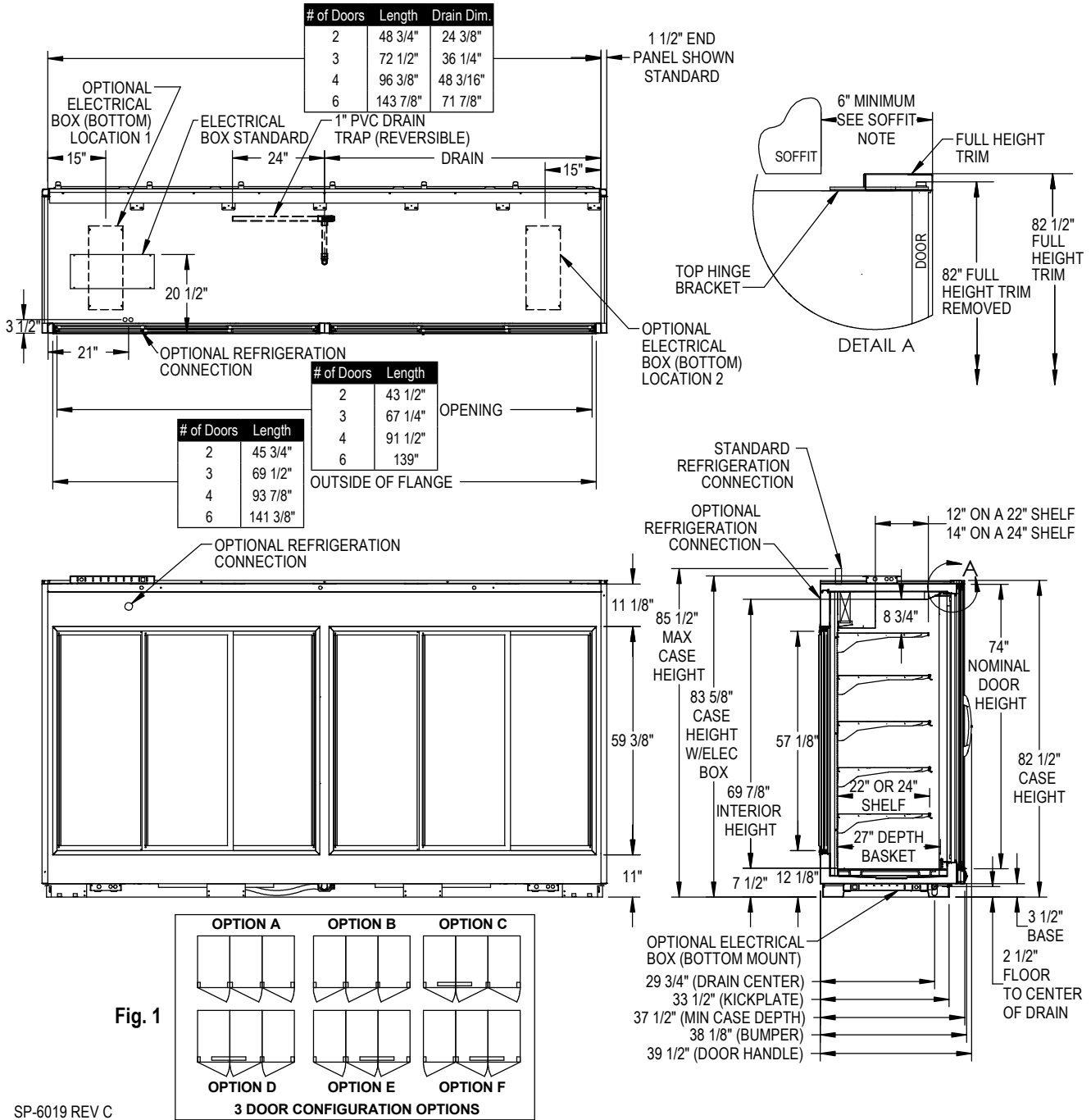
## MULTI-DECK CASE LENGTH CROSS-REFERENCE

Conventional Multi-Deck Lineup Lengths	# of Doors	Total Length w/ Ends
8' 3"	4	8' 3 1/4"
12' 3"	6	12' 3"
16' 3"	8	16' 3 1/2"
20' 3"	10	20' 3 1/4"
24' 3"	12	24' 3"



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- Door size: 24" x 74".
- All dimensions are nominal.
- Peg, gravity-feed, and other merchandising options available.
- 2 1/2" End Panels are available.
- Building soffits must be set back 6" from the front of the doors to allow for access to door hinges on the top of the case.
- Rear Load cases must be installed in front of the opening in a walk-in cooler.

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

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