



Crystal Merchandiser® RVMC24BBUN Back-to-Back Ultra Narrow Specs

Medium Temp Back-to-Back Ultra Narrow Reach-Ins with 24" x 74" CoolView® Ultra™ Doors
 RVMC24BBUN-(B,D,P,M): BB=Back-to-Back, UN=Ultra Narrow (B=Beverage, D=Dairy/Deli, P=Produce, M=Meat)

Refrigeration Data

Refrigeration	Individual Case Data (Includes 1 Pair of End Panels)		
	Per Door Avg	2-Door	3-Door
Evaporator Temperature (°F) ¹	28	28	28
Baseline Btu/h ^{2,3,4}	410	930	1,360
Discharge Air Temperature (°F) (w/ 8°F Superheat)	33	33	33
Btu/h Adders	Per Door Avg		
Rail Heated Doors (Zero Zone CoolView Ultra)	10		
Rail & Glass Heated Doors (Zero Zone CoolView Ultra)	30		

Electrical & Energy Data ^{4, 5}

Electrical & Energy Data	Individual Case Data (Includes 1 Pair of End Panels)					
	Per Door Avg		2-Door		3-Door	
Fan Motors (115V) ⁶	Amps	Watts	Amps	Watts	Amps	Watts
High Efficiency Electronic (ECM or SSC)	0.30	8	0.60	15	0.60	22
Lighting System (120V)	Amps	Watts	Amps	Watts	Amps	Watts
LED Lighting (Zero Zone ChillBrite 4234)	0.15	18	0.30	36	0.48	58
Anti-Sweat Heat (115V) ⁷	Amps	Watts	Amps	Watts	Amps	Watts
No-Energy Doors (Zero Zone CoolView Ultra)	0.00	0	0.00	0	0.00	0
Rail Heated Doors (Zero Zone CoolView Ultra)	0.05	6	0.09	10	0.14	16
Rail & Glass Heated Doors (Zero Zone CoolView Ultra)	0.16	18	0.31	36	0.47	54

Physical Data

Refrigeration Piping: R-404A & R-448A ⁸	Outlet Size (in.)		
	2-Door	3-Door	
Suction Line O.D. (Top Refrigeration Exit)	1/2	1/2	
Liquid Line O.D.	3/8	3/8	
Refrigeration Piping: CO2 ⁸	2-Door	3-Door	
Suction Line O.D. (Top Refrigeration Exit)	3/8	3/8	
Liquid Line O.D.	3/8	3/8	
Case Calculations	Solid End Panel	2-Door	3-Door
Facings (ft. ²)	N/A	47.2	70.4
Packout (ft. ³) 15" Shelves	N/A	53.0	79.0
Weight (lbs.)	30	1,100	1,650

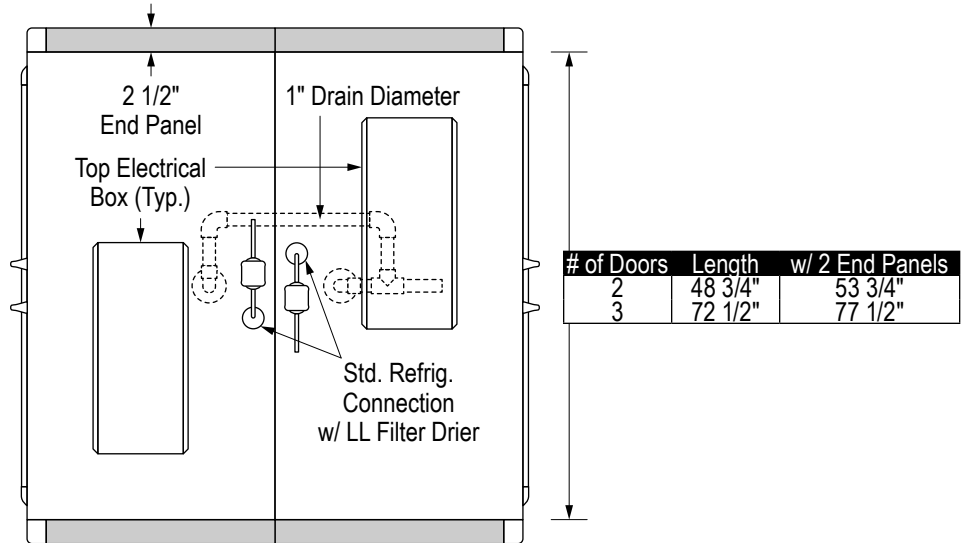
Notes:

- For high-glide refrigerants, use dew point for unit sizing. Adjust evaporator pressure as needed to maintain discharge air temperatures.
- Baseline Evaporator Btu/h based on parallel rack system, LED lighting (Zero Zone ChillBrite® 4234), no-energy doors (Zero Zone CoolView® Ultra™), and ECM or SSC electronic fan motors.
- For condensing units (non-rack system), multiply total Btu/h rating by 1.08.
- Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.
- Baseline Btu/h and Electrical Data calculated per side of the back-to-back display case.
- 2 to 3-door cases use two fan motors.
- Door (Anti-Sweat) Options: no-energy = no-heat glass and no-heat rails. Rail heat and glass heat available.
- Individual risers for circuits of more than one case require refrigeration line sizing by Zero Zone.

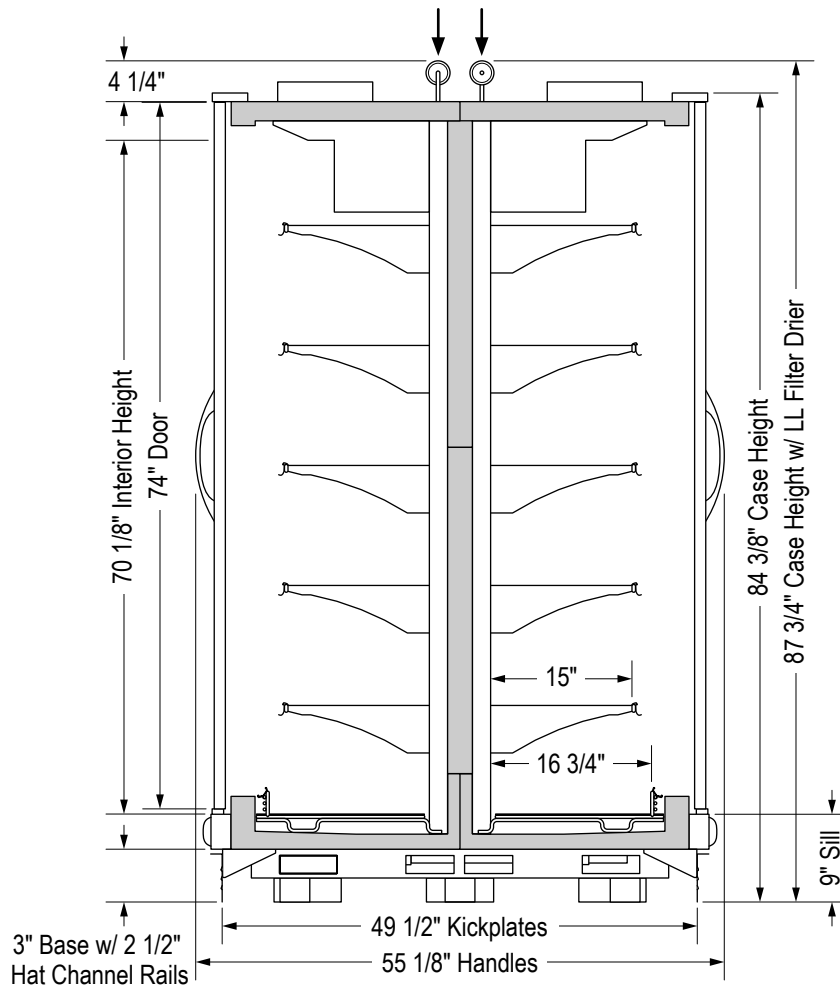


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Top refrigeration connection with LL Filter Drier increases case height by up to 4 1/4".



SS-79-C

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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