



Crystal Merchandiser® RVLC30IM Ice Merchandiser Specs

Low Temp Ice Merchandiser Reach-Ins with 30" x 74" CoolView® Illusion™ Doors

RVLC30IM: IM=Ice Merchandiser

Refrigeration Data

Refrigeration	Lineup Data		Individual Case Data (Includes 1 Pair of End Panels)	
	Per Door Avg		2-Door	3-Door
Evaporator Temperature (°F) ¹	0		0	0
Baseline Btu/h ^{2,3}	910		1,970	2,880
Discharge Air Temperature (°F) (w/ 8°F Superheat)	4		4	4
Btu/h Adders	Per Door Avg			
Optional Glass Windowed End Panel (Each)	288			
Anti-Sweat High Humidity Package	100			

Electrical & Energy Data ⁴

Electrical & Energy Data	Lineup Data		Individual Case Data (Includes 1 Pair of End Panels)			
	Per Door Avg		2-Door		3-Door	
Fan Motors (115V) ⁵	Amps	Watts	Amps	Watts	Amps	Watts
High Efficiency Electronic (ECM or SSC)	0.42	24	0.84	48	1.26	72
Lighting System (120V)	Amps	Watts	Amps	Watts	Amps	Watts
LED Lighting (Zero Zone ChillBrite 4190)	0.16	19	0.32	39	0.48	58
Anti-Sweat Heat (115V) ⁶	Amps	Watts	Amps	Watts	Amps	Watts
Standard-Energy Doors (Zero Zone CoolView Illusion)	0.74	85	1.50	173	2.23	257
High Humidity Package (Zero Zone CoolView Illusion) ⁷	1.08	125	2.22	255	3.29	378
Defrost Heaters ^{8,9}	Amps	Watts	Amps	Watts	Amps	Watts
Single Phase (208V/1/60Hz)	4.00	832	8.00	1,680	12.00	2,496
Three Phase (208V/3/60Hz)	2.31	832	4.66	1,680	6.93	2,496

Physical Data

Refrigeration Piping: R-404A & R-448A ¹⁰	Outlet Size (in.)	
	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: CO2 ¹⁰	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

Case Calculations	Solid End Panel	Windowed End	2-Door	3-Door
Facings (ft. ²)	N/A	N/A	28.4	42.3
Packout (ft. ³) 22" Shelves	N/A	N/A	51.5	76.7
Packout (ft. ³) 24" Shelves	N/A	N/A	55.1	82.1
Packout Limit (lbs.) 22" Shelves	N/A	N/A	1,550	2,300
Packout Limit (lbs.) 24" Shelves	N/A	N/A	1,650	2,460
Weight (lbs.)	30	55	755	1,055

Notes:

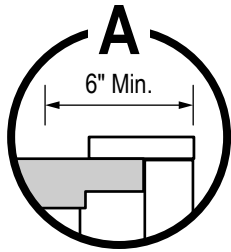
- For high-glide refrigerants, use dew point for unit sizing. Adjust evaporator pressure as needed to maintain discharge air temperatures.
- Baseline Evaporator Btu/h based on parallel rack system, LED Lighting (Zero Zone ChillBrite® 4190), standard-energy doors (Zero Zone CoolView® Illusion™), and ECM or SSC electronic fan motors.
- For condensing units (non-rack system), multiply total Btu/h rating by 1.06.
- Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.
- One fan motor per door.
- Door (Anti-Sweat) Options: standard-energy and high-humidity package = heated glass, heated rails, mullion heat, and sill heat.
- Anti-sweat controller required for the high humidity package to comply with DOE energy requirements.
- 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.
- 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.
- Individual risers for circuits of more than one case require refrigeration line sizing by Zero Zone. Refer to the Installation & Operation Manual for details.



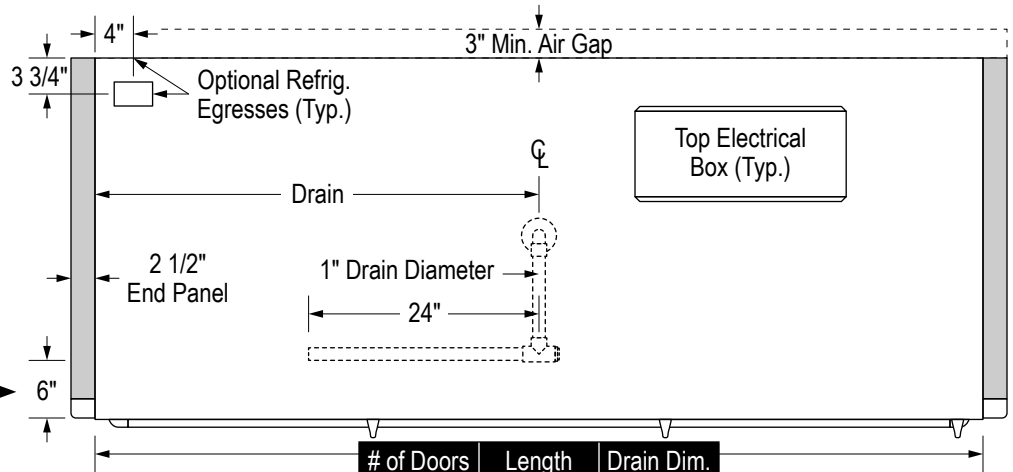
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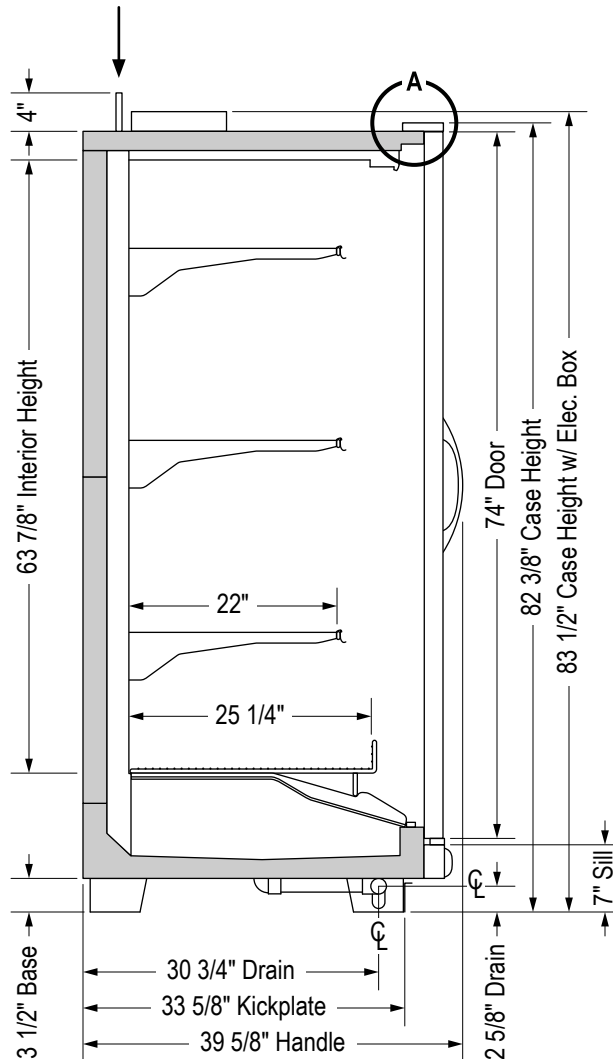


Building soffits must be set back at least 6" from the front of the doors to allow access to electrical wiring on the top of the case.



# of Doors	Length	Drain Dim.
2	62 1/8"	31"
3	92 1/2"	46 1/4"

Optional top refrigeration connection increases case height by up to 4".



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

SS-45-K

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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