



Highlight Merchandiser® RHLC30IM Ice Merchandiser Specs

Low Temp Ice Merchandiser Reach-Ins with 30" x 68" CoolView® Envision® Doors

RHLC30IM: IM=Ice Merchandiser

Refrigeration Data

Refrigeration	
Evaporator Temperature (°F) ¹	
Baseline Btu/h ^{2,3}	
Discharge Air Temperature (°F) (w/ 8°F Superheat)	
Btu/h Deducts	
Solid Doors	
Btu/h Adders	
Anti-Sweat High Humidity Package	

Individual Case Data (Includes 1 Pair of End Panels)		
1-Door	2-Door	3-Door
0	0	0
915	1,742	2,624
4	4	4
Per Door Avg		
-65		
Per Door Avg		
100		

Electrical & Energy Data ⁴

Fan Motors (115V) ⁵	
High Efficiency Electronic (ECM or SSC)	
Lighting System (120V)	
LED Lighting (Zero Zone ChillBrite 4244)	
Anti-Sweat Heat (115V) ⁶	
Standard-Energy Doors (Zero Zone CoolView Envision)	
High Humidity Package (Zero Zone CoolView Envision) ⁷	
Solid Doors (Zero Zone CoolView Envision)	
Defrost Heaters ^{8,9}	
Single Phase (120V/1/60Hz or 208V/1/60Hz) ¹⁰	
Three Phase (208V/3/60Hz)	

Individual Case Data (Includes 1 Pair of End Panels)					
1-Door		2-Door		3-Door	
Amps	Watts	Amps	Watts	Amps	Watts
0.30	20	0.60	38	0.90	59
Amps	Watts	Amps	Watts	Amps	Watts
0.15	18	0.29	35	0.44	53
Amps	Watts	Amps	Watts	Amps	Watts
0.72	83	1.43	164	2.13	245
1.06	122	2.15	247	3.20	368
0.50	58	1.01	116	1.50	173
Amps	Watts	Amps	Watts	Amps	Watts
9.10	1,047	8.00	1,680	12.00	2,496
N/A	N/A	4.66	1,680	6.93	2,496

Physical Data

Refrigeration Piping: R-404A & R-448A ¹¹	
Suction Line O.D. (Top Refrigeration Exit)	
Liquid Line O.D. (Electric Defrost)	
Refrigeration Piping: CO2 ¹¹	
Suction Line O.D. (Top Refrigeration Exit)	
Liquid Line O.D. (Electric Defrost)	

Outlet Size (in.)		
1-Door	2-Door	3-Door
1/2	1/2	5/8
1/4	3/8	3/8
1-Door	2-Door	3-Door
3/8	1/2	1/2
1/4	3/8	3/8

Case Calculations	Solid End Panel	1-Door	2-Door	3-Door
Facings (ft. ²)	N/A	13.6	27.3	40.9
Packout (ft. ³) 24" Shelves	N/A	27.3	54.5	81.9
Packout Limit (lbs.) 24" Shelves	N/A	820	1,640	2,460
Weight (lbs.)	30	532	783	1,033

Notes:

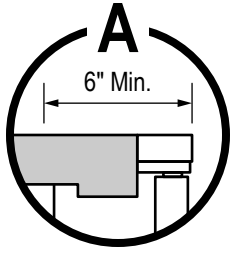
- For high-glide refrigerants, use dew point for unit sizing. Adjust evaporator pressure as needed to maintain discharge air temperatures.
- Baseline Evaporator Btu/h based on parallel rack system, LED lighting (Zero Zone ChillBrite® 4190), standard-energy doors (Zero Zone CoolView® Envision®), and ECM 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 and heated rails; solid doors = heated rails. All options include mullion 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.
- 1-door defrost uses 120V/1/60Hz. 2 and 3-door defrost uses 208V/1/60Hz.
- Individual risers for circuits of more than one case require refrigeration line sizing by Zero Zone.



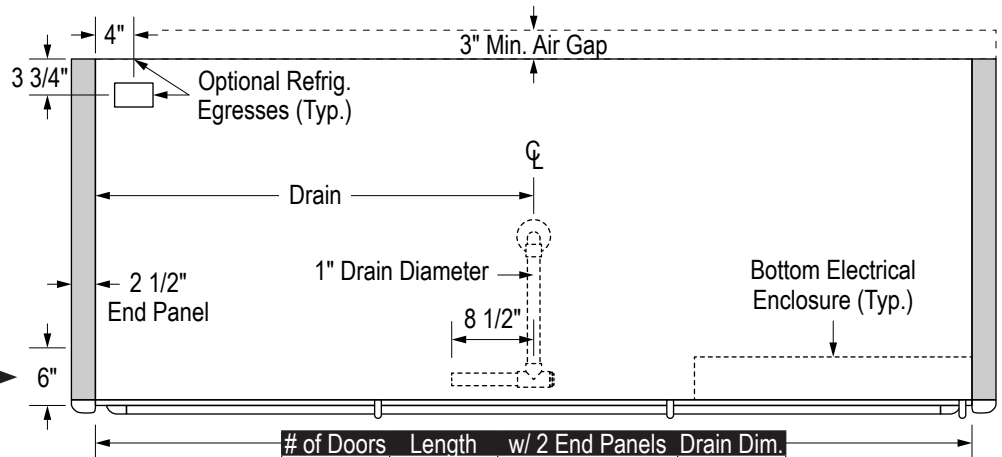
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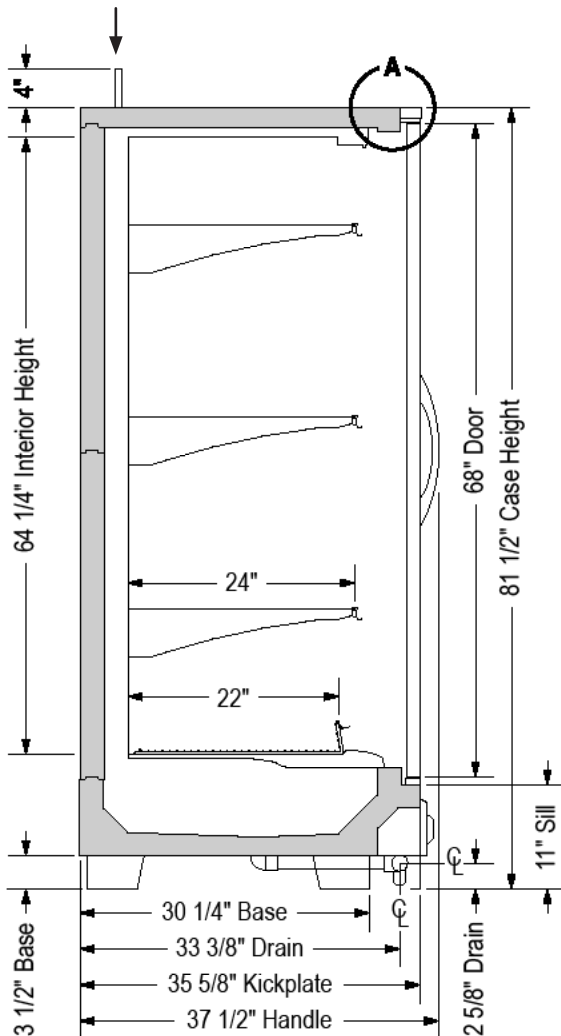


Building soffits must be set back at least 6" from the front of the doors to allow access to electrical wiring on the top of the case.

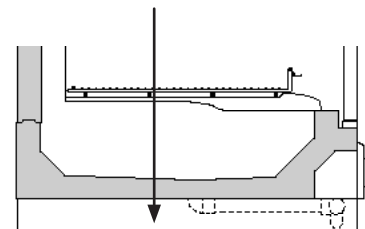


# of Doors	Length	w/ 2 End Panels	Drain Dim.
1	30 1/2"	35 1/2"	15 1/4"
2	60 7/8"	65 7/8"	30 1/2"
3	91 3/8"	96 3/8"	45 5/8"

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.
- 1-Door bases run front to back.



SS-122-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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