



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 | |
| Optional Glass Windowed End Panel (Each) | |
| Anti-Sweat High Humidity Package | |

| Individual Case Data (Includes 1 Pair of End Panels) | | |
|--|-------|--|
| 1-Door | | |
| FF | IC | |
| -7 | -16 | |
| 1,050 | 1,150 | |
| -3 | -12 | |
| 1-Door | | |
| -65 | -65 | |
| 1-Door | | |
| 315 | 350 | |
| 100 | 100 | |

Electrical & Energy Data ⁴

| Fan Motors (115V) ⁵ | |
|--|--|
| High Efficiency Electronic (ECM or SSC) | |
| Lighting System (120V) | |
| LED Lighting (Zero Zone ChillBrite 4190) | |
| 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) | |

| Individual Case Data (Includes 1 Pair of End Panels) | | |
|--|-------|--|
| 1-Door | | |
| Amps | Watts | |
| 0.30 | 20 | |
| Amps | Watts | |
| 0.15 | 18 | |
| Amps | Watts | |
| 0.73 | 83 | |
| 1.06 | 122 | |
| 0.50 | 58 | |
| Amps | Watts | |
| 9.10 | 1,047 | |

Physical Data

| Refrigeration Piping ¹⁰ | |
|---|--|
| Suction Line O.D. (Standard Refrigeration Exit) | |
| Liquid Line O.D. | |

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

| Case Calculations | Solid End Panel |
|---|-----------------|
| Facings (ft. ²) | N/A |
| Packout (ft. ³) 22" Shelves | N/A |
| Packout (ft. ³) 24" Shelves | N/A |
| Weight (lbs.) | 30 |

| 1-Door | |
|--------|--|
| 13.6 | |
| 25.4 | |
| 27.3 | |
| 530 | |

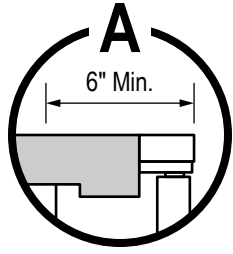
Notes:

- 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. 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.

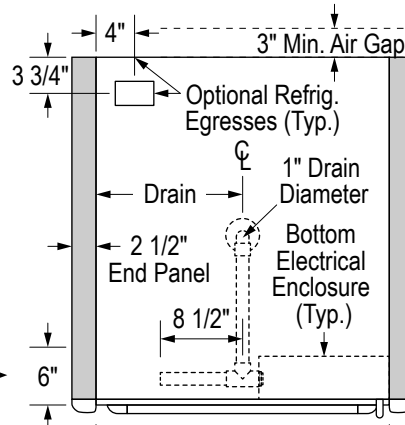


Highlight Merchandiser® 1RHLC30 Specs

1-Door Low Temp Reach-Ins with 30" x 68" CoolView® Envision® Doors

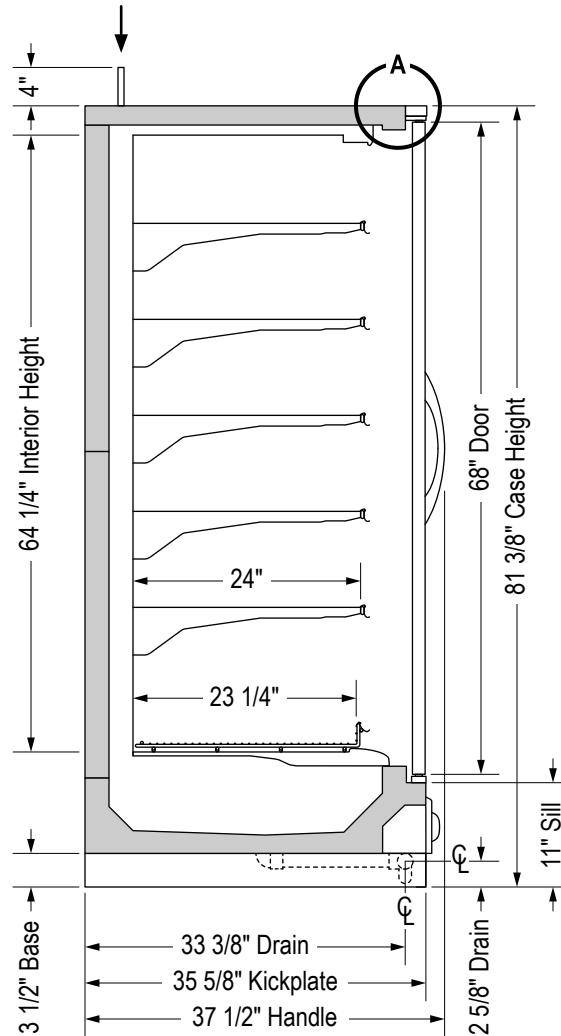


Building soffits must be set back at least 6" from the front of the doors to allow access to electrical wiring on the top of the case.



| # of Doors | Length | w/ 2 End Panels | Drain Dim. |
|------------|---------|-----------------|------------|
| 1 | 30 1/2" | 35 1/2" | 15 1/4" |

Top refrigeration connections increase case height by up to 4".



SS-123-A

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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