**Crystal™ Merchandiser RVMC24DRL Deep Rear Load Specs**

Medium Temp Deep Rear Load Reach-Ins with 24" x 74" CoolView™ Doors

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

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### ENERGY DATA

<table>
<thead>
<tr>
<th></th>
<th>Per Door Avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refrigeration</td>
<td></td>
</tr>
<tr>
<td>(see note #1 for components included in baseline Btuh)</td>
<td></td>
</tr>
<tr>
<td>Evaporator Temperature (°F)</td>
<td>28</td>
</tr>
<tr>
<td>Baseline Btuh</td>
<td>410</td>
</tr>
<tr>
<td>Discharge Air Temp. (°F) (w/ 8°F Superheat)</td>
<td>33</td>
</tr>
</tbody>
</table>

**Btu Adders**

- Rail Heated Doors: 10 Btu
- Rail & Glass Heated Doors: 30 Btu
- Optional Glass Windowed End Panel (Each): 410 Btu

**Glycol Data**

- Flow Rate (GPM): 2-Door (4'): 0.6, 3-Door (6'): 0.8, 4-Door (8'): 1.2, 6-Door (12'): 1.8
- Pressure Drop (PSIG): 2-Door (4'): 3.0, 3-Door (6'): 4.2, 4-Door (8'): 5.5, 6-Door (12'): 6.1

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

### LINEUP DATA

<table>
<thead>
<tr>
<th></th>
<th>2-Door (4')</th>
<th>3-Door (6')</th>
<th>4-Door (8')</th>
<th>6-Door (12')</th>
</tr>
</thead>
<tbody>
<tr>
<td>2RVMC24DRL</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
</tr>
<tr>
<td>3RVMC24DRL</td>
<td>930</td>
<td>1,360</td>
<td>1,740</td>
<td>2,570</td>
</tr>
<tr>
<td>4RVMC24DRL</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>33</td>
</tr>
</tbody>
</table>

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

**Refrigeration**

- Baseline Btuh: 1, 2
- Discharge Air Temp. (°F): 28

**Btu Adders**

- Rail Heated Doors: 10 Btu
- Rail & Glass Heated Doors: 30 Btu
- Optional Glass Windowed End Panel (Each): 410 Btu

**Glycol Data**

- Flow Rate (GPM): 2-Door (4'): 0.6, 3-Door (6'): 0.8, 4-Door (8'): 1.2, 6-Door (12'): 1.8
- Pressure Drop (PSIG): 2-Door (4'): 3.0, 3-Door (6'): 4.2, 4-Door (8'): 5.5, 6-Door (12'): 6.1

**Fan Motors (115V)**

- High Efficiency Electronic (SSC/ECM): 0.30 Amps, 8 Watts
- LED Lighting (Zero Zone ChillBrite™ 4): 0.15 Amps, 18 Watts
- Left or Right-Hand Swing 2-Door. Option A, B, 3-Door, 4-Door, 6-Door (see Fig. 1 on next page): 0.16 Amps, 19 Watts
- Option C, D, E, F, 3-Door (see Fig. 1 on next page): 0.18 Amps, 21 Watts

**Anti-Sweat Door Heaters (115V)**

- No-Energy Doors (Zero Zone CoolView™): 0.00 Amps, 0 Watts
- Rail Heated Doors (Zero Zone CoolView™): 0.05 Amps, 6 Watts
- Rail & Glass Heated Doors (Zero Zone CoolView™): 0.16 Amps, 18 Watts

**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.

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### PHYSICAL DATA

<table>
<thead>
<tr>
<th>Baseline R-404A Refrigeration Piping</th>
<th>Outlet Size (in.)</th>
<th># of Doors</th>
<th>Weight (lbs.)</th>
<th>Facings (ft.²)</th>
<th>Case Capacity (ft.) 24&quot;/27&quot; Shelves</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction Line O.D. (Top Refrig.)</td>
<td>1/2</td>
<td>2</td>
<td>775</td>
<td>23.7</td>
<td>48.1</td>
</tr>
<tr>
<td>Liquid Line O.D.</td>
<td>3/8</td>
<td>3</td>
<td>933</td>
<td>35.2</td>
<td>71.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td>1,020</td>
<td>46.7</td>
<td>95.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6</td>
<td>1,254</td>
<td>69.8</td>
<td>141.9</td>
</tr>
<tr>
<td>Solid End Panel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>Glass End Panel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
</tr>
</tbody>
</table>

### MULTI-DECK CASE LENGTH CROSS-REFERENCE

<table>
<thead>
<tr>
<th>Conventional Multi-Deck Lineup Lengths</th>
<th># of Doors</th>
<th>Total Length w/ Ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>8' 3&quot;</td>
<td>4</td>
<td>8' 3 1/4&quot;</td>
</tr>
<tr>
<td>12' 3&quot;</td>
<td>6</td>
<td>12' 3&quot;</td>
</tr>
<tr>
<td>16' 3&quot;</td>
<td>8</td>
<td>16' 3 1/2&quot;</td>
</tr>
<tr>
<td>20' 3&quot;</td>
<td>10</td>
<td>20' 3 1/4&quot;</td>
</tr>
<tr>
<td>24' 3&quot;</td>
<td>12</td>
<td>24' 3&quot;</td>
</tr>
</tbody>
</table>

**Notes:**

- **PHYSICAL DATA**
  - Baseline R-404A Refrigeration Piping:
    - Suction Line O.D. (Top Refrig.): 1/2, Liquid Line O.D.: 3/8
  - Outlet Size (in.): 1/2, 3/8
  - Weight (lbs.): 2, 3, 4, 6
  - Facings (ft.²): 23.7, 35.2, 46.7, 69.8
  - Case Capacity (ft.): N/A, N/A, N/A, N/A

- **MULTI-DECK CASE LENGTH CROSS-REFERENCE**
  - Conventional Multi-Deck Lineup Lengths:
    - 8' 3",
    - 12' 3",
    - 16' 3",
    - 20' 3",
    - 24' 3"
  - # of Doors: 4, 6, 8, 10, 12
  - Total Length w/ Ends: 8' 3 1/4", 12' 3", 16' 3 1/2", 20' 3 1/4", 24' 3"
Crystal™ Merchandiser RVMC24DRL Deep Rear Load Specs

Medium Temp Deep Rear Load Reach-Ins with 24" x 74" CoolView™ Doors


- 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.

3/12/18