# Fusion

Self-Service Refrigerated Open Reach-In - 78"H

Structural Concepts®
DELIVERING FRESH. ALWAYS.™

- **MD478R** 50-1/4"L x 37-1/8"D x 78-1/2"H
- **MD678R** 74-1/4"L x 37-1/8"D x 78-1/2"H



MD478R

## Included

- Remote DX refrigeration
- LED top & shelf lights
- One year parts & labor warranty
- Open reach-in front
- Stainless steel rear exterior
- Warmest average product temperature of 40°F or less

| Specify | Standard Features | Additional Options |
|---|---|---|
| **EXTERIOR COLOR** | • Powder coated Silversan Black | • Powder coated (stock/non-stock colors) |
| **INTERIOR COLOR** | • Powder coated Silversan Black | • Stainless steel |
| **LOWER FRONT PANEL COLOR** | • Powder coated Silversan Black | • Powder coated (stock/non-stock colors)<br>• Stainless steel |
| **BASE SUPPORT** | • Rail system for shims | |
| **BUMPER FRONT** | • 1" Boston bumper (specify color) | • 1" Stainless steel plate rail bumper |
| **END PANELS** | • Full w/stainless steel mirror interior | • Cutaway w/glass<br>• None (specify per line-up) |
| **PRICE TAG MOLDING** | • None | • Universal price tag molding (clear w/ open top) |
| **REAR DOORS** | • None (solid back panel) | • Solid rear swinging door(s) w/lock |
| **SHELVING** | • (4) Lighted clear glass shelves | • (5) Lighted clear glass shelves |
| **LIGHTS** | • LED 3500K w/ frosted lens | |
| **ELECTRICAL CONNECTION** | • Electrical leads (remote) | |
| **REFRIGERATION** | [1] • Remote DX refrigeration | [1] • Remote w/thermostat, solenoid & TXV |
| **SENSOR** | • None | • CPC discharge air sensor (remote) |
| **MISCELLANEOUS** | | • Second year parts & labor warranty |

Std Notes: 1 - Read important notes for remote options

Option Notes: 1 - Read important notes for remote options

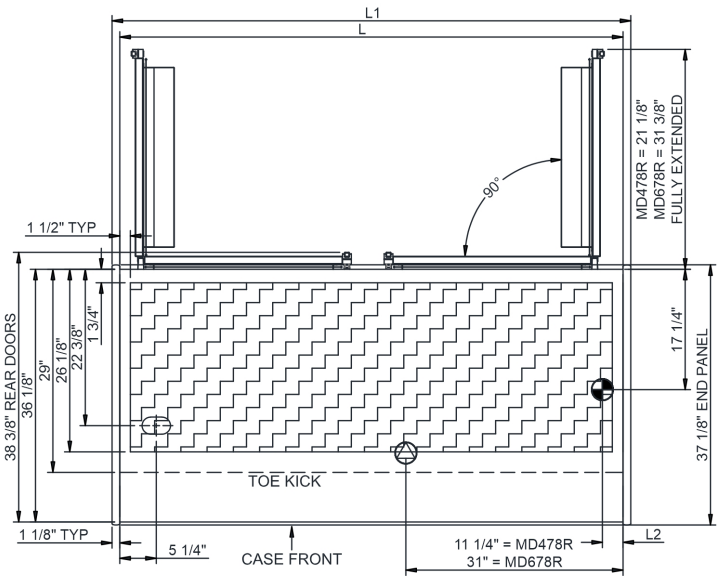
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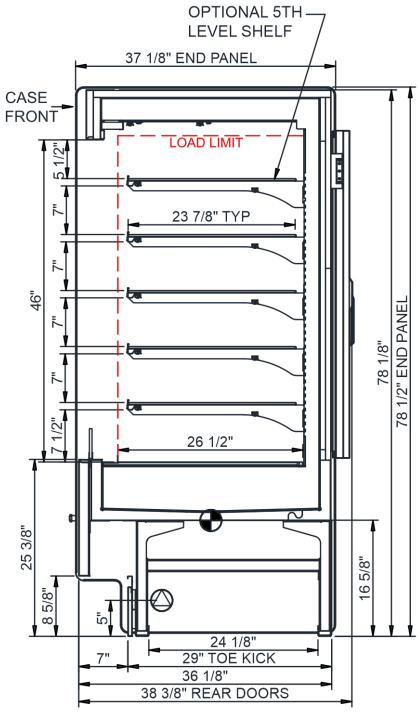
| Intended Environment: | Type I - Designed to operate in ambient conditions of 75°F with 55% relative humidity unless noted otherwise in system information below. | |
|---|---|---|
| **Zone** | **Intended Product To Be Displayed** | **Warmest Avg Prod Temp ° F** |
| 1 | Packaged / unpackaged refrigerated products-Prechilled to Warmest Avg Prod Temp. | 40 |

## PLAN VIEW




| REAR DOORS LOADING SPACE | |
|---|---|
| MODEL | WD x HT x QTY |
| MD478R | 17" x 47 3/4" x 2 |
| MD678R | 27 1/8" x 47 3/4" x 2 |

## SIDE VIEW




NOTE: ALL DIMENSIONS APPROXIMATE

- ELECTRICAL JUNCTION BOX (SUPPLIED WITH 6" LEADS OR POWER CORD).
- LOCATION OF DRAIN TUBE FOR REMOTE REF. ONLY (SUPPLIED WITH ¾" OR 1½" PVC TUBE).
- REFRIGERATION LINE CONNECTION.
- REMOTE FLOOR SINK & UTILITIES ACCESS AREA.
- SELF-CONTAINED CASE SERVICE ACCESS AREA.
- DRY CASE SERVICE ACCESS AREA.

**Model Technical Specifications**

| Model | L" | L1" | L2" | System Circuit Volts | | | Phs | Freq | Amps *** | Watts | Wires | NEMA Plug | SST | Conv. Rack BTUH | Para. Rack BTUH | Est Wt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MD478R | 48.00 | 50.25 | 3.00 | Remote (DX) | Circuit #1 | 110-120 | 1 | 60 | 2.26 | 126 | 2+G | Leads Multiple | 20.00 | 5184 | 4800 | 950 |
| MD678R | 72.00 | 74.25 | 3.00 | Remote (DX) | Circuit #1 | 110-120 | 1 | 60 | 2.64 | 143 | 2+G | Leads Multiple | 20.00 | 9072 | 8400 | 1,300 |

*** Does not include electric defrost on freezer models.

| Regulatory Approvals: | |
|---|---|
| All Models | Accordance with AHRI Std 1200<br>ETL Listed to UL 471<br>ETL Listed to CAN/CSA 22.2 No. 120<br>ETL Sanitation to NSF/ANSI 7 |

In Accordance with AHRI Std 1200

DOE 2017 Energy Efficiency Compliant

## Important Notes:

1) REMOTE REFRIGERATION NOTE: Condensing unit not included, floor drain required.

2) Units must be shimmed during installation to ensure the unit is level and plumb.

⚠ **WARNING:** This product can expose you to chemicals, including Urethane (Ethyl Carbamate), which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

# Placement of Case

Consider where the display case will be positioned relative to walls, ceilings, HVAC vents, windows, and other equipment discharging warm air.

## The 5′ - 10′ - 15′ Rule

**Stay 5′ away from an exterior window**

Direct sunlight increases the heat load on the front of the display resulting in the refrigeration system having to work harder and possible condensation on the case.

**Remain 10′ away from HVAC ceiling vents**

Air blowing on the front of the display interrupts the air curtain and causes product temperatures to increase.

Minimum 4″ clearance to walls & ceilings.
Refer to spec sheets & design guide for further information.

With service display cases that have a glass front, air blowing on the front glass causes condensation to develop.

**Position the display 15′ away from exterior doors**

Air drafts from the front exterior doors interrupt the air curtain, allowing warm air to penetrate the inside of the display, affecting product temperature.

