

IMPORTANT
**ONE FLOOR DRAIN IS
REQUIRED FOR EACH CASE.**

NSF Certification

This merchandiser model is manufactured to meet NSF/ANSI (National Sanitation Foundation) Standard #7 requirements for construction, materials and cleanability.



Scan the QR code on your mobile device to access additional product information or order parts.

Parts may also be ordered at:

parts.hussmann.com

Call toll free: 1.855.487.7778

We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.

Note: Revision M: February 2024. Updated Electrical Data

Data sheet-Excel D5X-URLE

Engineering Plan Views

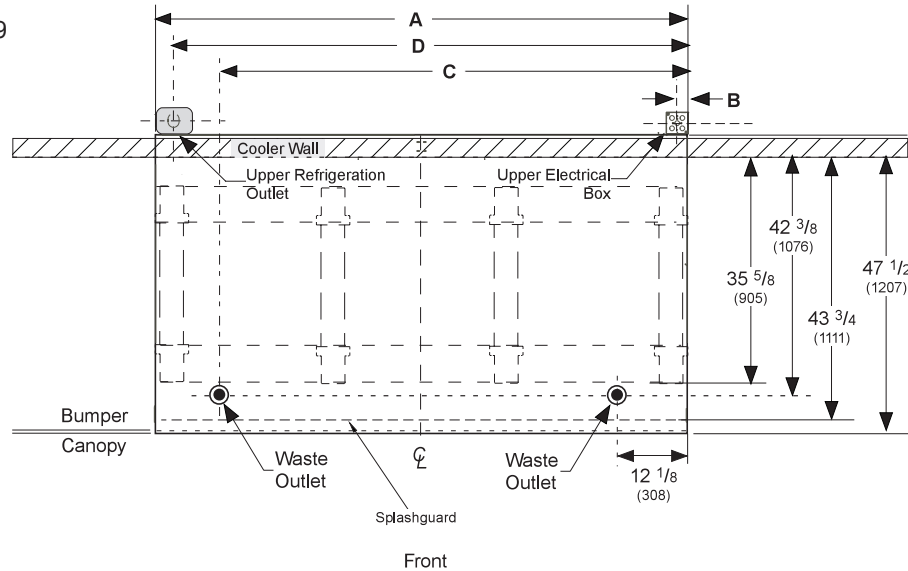
PHYSICAL DATA

| | |
|---------------------------------|-------|
| Merchandiser Drip Pipe (in.) | 1 1/4 |
| Merchandiser Liquid Line (in.) | 3/8 |
| Merchandiser Suction Line (in.) | 7/8 |

Rear Load Ultra Low Front Dairy

Dimensions shown as in. & (mm).

07-2009



Note: ALL FIELD WIRING CONNECTION POINTS ARE ABOVE THE CASE.
Case to case connections are made in the electrical box at the top of the case.

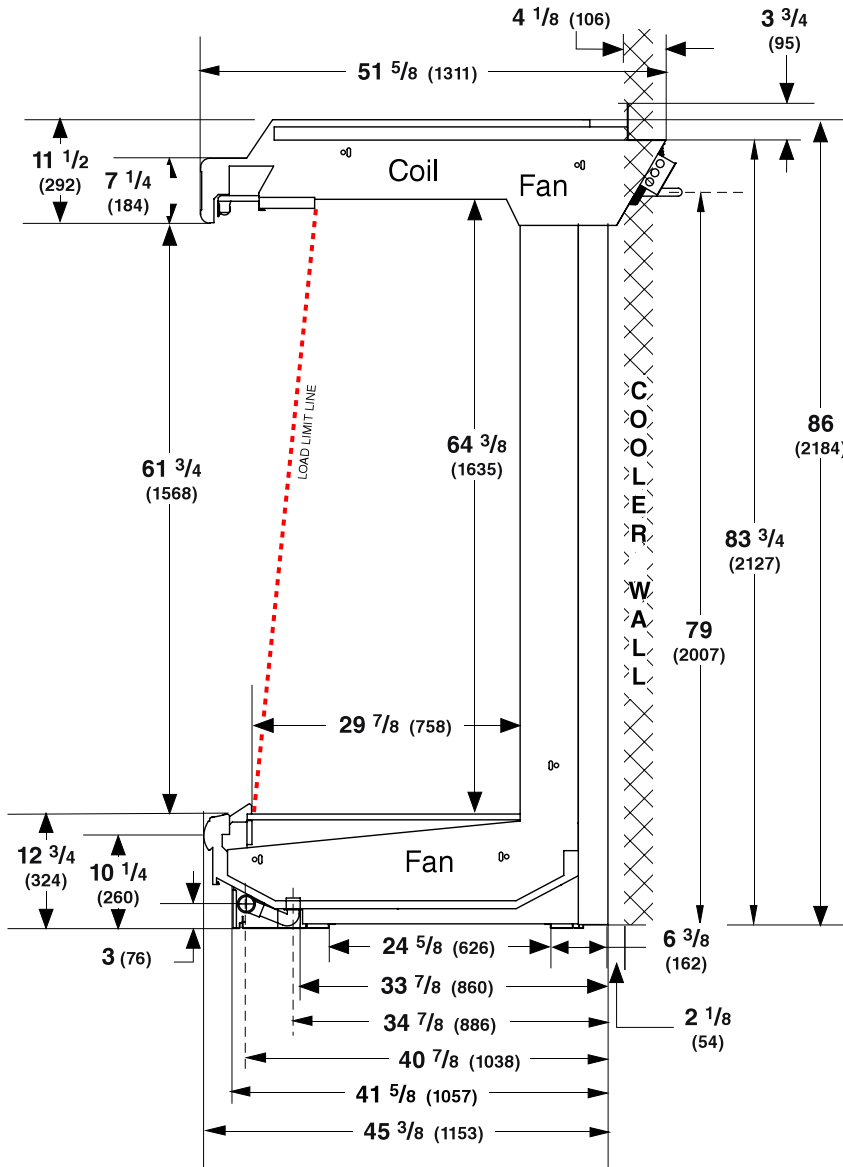
| | 8 ft | 12 ft |
|--|---------------|----------------|
| General | | |
| (A) Case Length (<i>without ends or partitions</i>) | 96 3/8 (2448) | 144 1/2 (3670) |
| <i>(Each end and insulated partition adds 1 1/2 in. (38 mm) to case line up.)</i> | | |
| Maximum O/S dimension of case back to front | 51 5/8 (1311) | 51 5/8 (1311) |
| <i>(front of canopy through cooler wall not including electrical box)</i> | | |
| Cooler wall to front of splashguard | 43 3/4 (1111) | 43 3/4 (1111) |
| Cooler wall to O/S edge of front rails | 40 3/4 (1035) | 40 3/4 (1035) |
| Distance between edges of external rails and center rails | 41 1/2 (1054) | 41 1/2 (1054) |
| Distance between edges of center rails | NA | 43 7/8 (1114) |
| Distance between front rails and splashguard | 7 3/4 (197) | 7 3/4 (197) |
| Electrical Service <input checked="" type="checkbox"/> <i>(Electrical Field Wiring connection point located on top of case)</i> | | |
| (B) RH End of case to center of 4 x 4 x 2 Electrical Box | 2 (51) | 2 (51) |
| Back of case (cooler wall) to center of 4 x 4 x 2 Electrical Box | 2 1/4 (57) | 2 1/4 (57) |
| Waste Outlets <i>(One each end)</i> <input checked="" type="checkbox"/> | | |
| (C) RH End of case to the center of LH waste outlet | 84 1/4 (2140) | 132 3/8 (3363) |
| RH End of case to the center of RH waste outlet | 12 1/8 (308) | 12 1/8 (308) |
| Cooler wall to center of waste outlets | 42 (1067) | 42 (1067) |
| Schedule 40 PVC drip pipe | 1 1/4 (32) | 1 1/4 (32) |
| Refrigeration Outlet <input checked="" type="checkbox"/> | | |
| Cooler wall to center of refrigeration outlet | 4 1/4 (108) | 4 1/4 (108) |
| (D) RH end of case to center of refrigeration outlet | 93 1/4 (2369) | 141 3/8 (3591) |

Ultra Low Front, Rear Load



Hussmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2017 energy efficiency standards.

Dimensions shown as in. & (mm).



ALL FIELD WIRING CONNECTION POINTS ARE ABOVE THE CASE.

| Estimated Charge ** | D5X-URLE | | |
|---------------------|----------|-------|--------|
| 8 ft | 2.7 lb | 43 oz | 1.2 kg |
| 12 ft | 3.9 lb | 62 oz | 1.8 kg |

**This is an average for all refrigerant types. Actual refrigerant charge may vary by approximately half a pound (8 oz/0.2 kg).

Excel D5X-URLE
Dairy

REFRIGERATION DATA

Note: This data is based on store temperature and humidity that does not exceed 75°F and 55% R.H.

| | D5X-URLE§ |
|--------------------|-----------|
| Discharge Air (°F) | 27 |
| Evaporator (°F) | 21 |
| Unit Sizing (°F) | 19 |

Important Note: Btu numbers are for the D5X-URLE when installed to a cooler operating at a 36°F air temperature. The unit cooler coil must be sized for an **additional load of 1160 Btu/hr/ft of D5X-URLE case** installed to the cooler.

§ Average evaporator temperature shown. Use dew point for high glide refrigerants for unit sizing. Care should be taken to use the dew point in PT tables for measuring and adjusting superheat. Adjust evaporator pressure as needed to maintain discharge air temperature shown.

| Btu/hr/ft | D5X-URLE |
|--------------|----------|
| Parallel | 1130 |
| Conventional | 1305 |

Reduce refrigeration load by 15% if fitted with CaseShieldPTM.

DEFROST DATA

| | D5X-URLE |
|---------------------------|----------|
| Frequency (hr) | 6 |
| Defrost Water (lb/ft/day) | 6 |

(± 15% based on case configuration and product loading).

| OFFTIME | D5X-URLE |
|---------------------------|-----------------|
| Time Terminated (minutes) | 45 |
| ELECTRIC OR GAS | Not Recommended |

Standard Defrost Thermostat — NA

CONVENTIONAL CONTROLS

| Low Pressure Backup Control | D5X-URLE |
|---|----------|
| CI/CO (Temp °F)* | 14/4 |
| Indoor Unit Only, Pressure Defrost Termination (Temp °F)* | NA |

*Use a Temperature Pressure Chart to determine PSIG conversions.

Excel D5X-URLE Dairy

Electrical Data

| Number of Fans | 8 ft | | 12 ft | |
|---|---------|------|-------|-------|
| | Amperes | | Watts | |
| Discharge — 25W | 4 | 6 | 8 ft | 12 ft |
| Return — 12W | 4 | 6 | | |
| Return — 7W | — | — | | |
| Discharge Fan | | | | |
| 120V 50/60Hz Standard Energy Efficient | 1.60 | 2.40 | 112 | 168 |
| 230V 50/60Hz Standard Energy Efficient | 1.08 | 1.62 | 112 | 168 |
| Return Fan | | | | |
| 120V 50/60Hz Standard Energy Efficient | 1.20 | 1.80 | 72 | 108 |
| 230V 50/60Hz Standard Energy Efficient | 0.60 | 0.90 | 72 | 108 |
| Minimum Circuit Ampacity | | | | |
| 120V 50/60Hz Standard Energy Efficient | 3.00 | 4.40 | | |
| 230V 50/60Hz Standard Energy Efficient | 1.88 | 2.72 | | |
| Maximum Over Current Protection 120V | | | | |
| Maximum Over Current Protection 120V | 20 | 20 | | |
| Maximum Over Current Protection 230V | | | | |
| Maximum Over Current Protection 230V | 15 | 15 | | |

ONLY LIGHTING CONFIGURATIONS THAT ARE COMPLIANT WITH THE U.S. DEPT. OF ENERGY (DOE) 2017 REGULATION ARE AVAILABLE FOR SALE FOR USE IN THE U.S.A.

| LED LIGHTING | Amperes | | Watts | |
|--|---------|-------|-------|-------|
| | 8 ft | 12 ft | 8 ft | 12 ft |
| EcoShine ULTRA Canopy Lights | | | | |
| 1 Row EcoShine ULTRA | 0.36 | 0.54 | 43 | 64 |
| EcoShine II Canopy Lights | | | | |
| 1 Row EcoShine II | 0.32 | 0.48 | 39 | 58 |
| 1 Row EcoShine II HO | 0.44 | 0.66 | 53 | 79 |
| Lighted shelves are not available for rear-load models. | | | | |
| EcoShine II Rail Light — 1 Row | | | | |
| | 0.16 | 0.25 | 20 | 30 |
| Standard Lighting (T-8 Fluorescent) 1 Row Canopy | | | | |
| Each Row of Canopy, Shelf or Rail Lights | 0.51 | 0.77 | 59 | 85 |

120V Lighting Circuit Total = Standard Lighting + Total Optional Lighting

120V LED Lighting Circuit Total = Canopy Lighting + Optional Rail Lighting

230V Lighting Circuit Total = Multiply 120V Lighting Circuit Total by 0.52

Please note: some combinations of fluorescent lights on this case model may not be compliant with DOE 2017 and may not be available to order in the US and Canada. More lighting options are available with LED lights. The Hussmann Product Configurator will not allow lighting options that do not comply with the DOE 2017 standards.

Excel D5X-URLE Dairy

Product Data

| | |
|--|--|
| <i>Recommended Usable Cube</i> ¹ (Cu Ft/Ft) | 10.06 ft ³ /ft (0.93 m ³ /m) |
| <i>AHRI Total Display Area</i> ² (Sq Ft/Ft) | 5.15 ft ² /ft (1.57 m ² /m) |
| <i>Shelf Area</i> ³ (Sq Ft/Ft) | 9.83 ft ² /ft (3.00 m ² /m) |

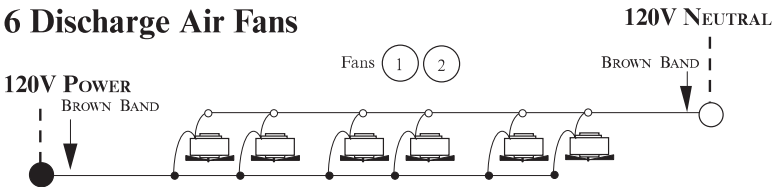
- ¹ AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume/Unit of Length, ft³/ft [m³/m]
- ² Computed using AHRI 1200 standard methodology: Total Display Area, ft² [m²]/Unit of Length, ft [m]
- ³ Shelf surface area is composed of bottom deck plus standard shelf complement, as shown in the Hussmann *Product Reference Guide*. The standard shelf complement for this model is (4) rows of 22-inch shelves.

| ESTIMATED SHIPPING WEIGHT ⁴ | | | |
|--|-----------|------------|-----------|
| Case | 8 ft | 12 ft | Solid End |
| | | | (each) |
| lb (kg) | 970 (440) | 1550 (703) | 90 (41) |

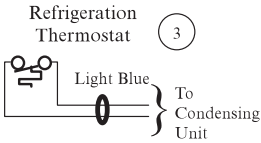
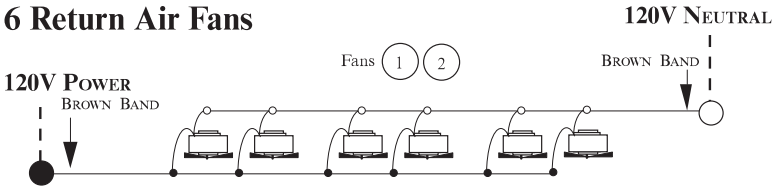
⁴ Actual weights will vary according to optional kits included.

Fan Wiring Offtime Defrost

4 & 6 Discharge Air Fans



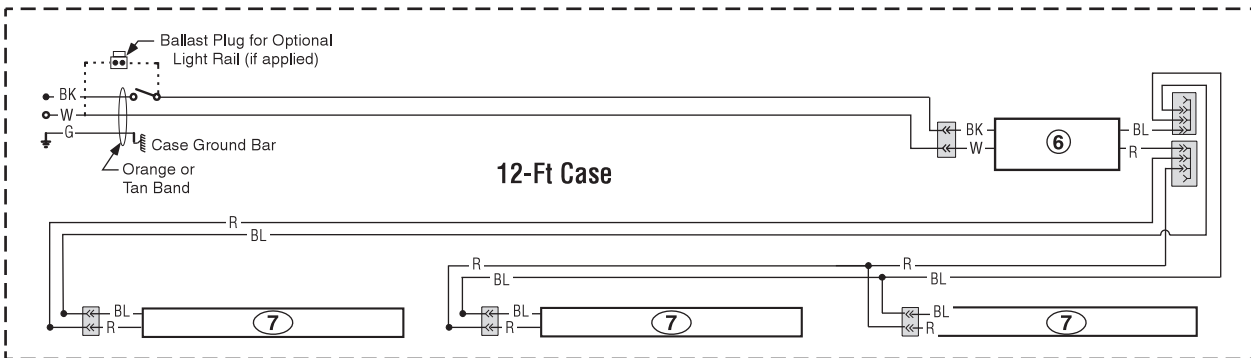
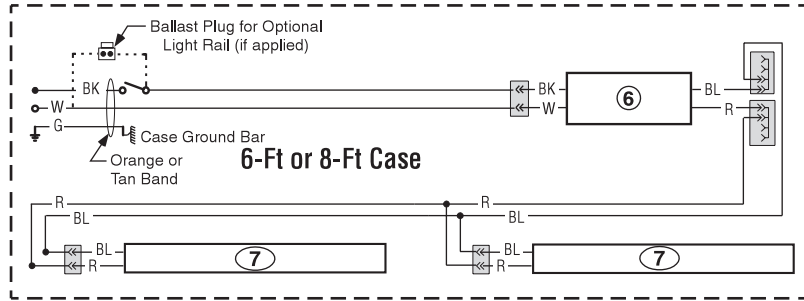
4 & 6 Return Air Fans



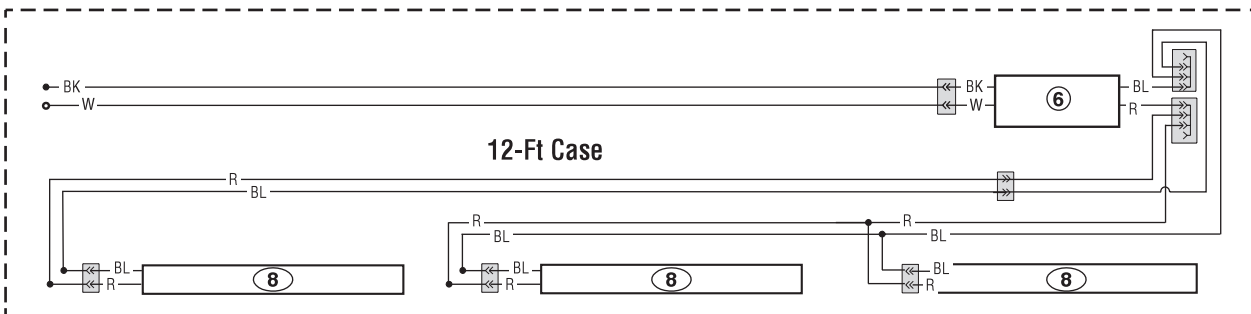
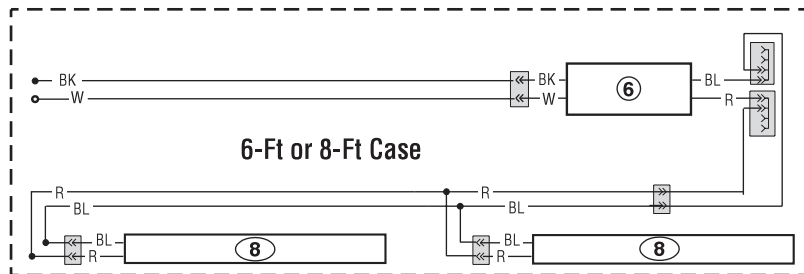
Scan QR code to access
Fluorescent Wiring Diagrams
on your mobile device.

LED Canopy and Rail Light Circuits

LED Canopy Lighting — 1 Row



LED Rail Lighting — 1 Row



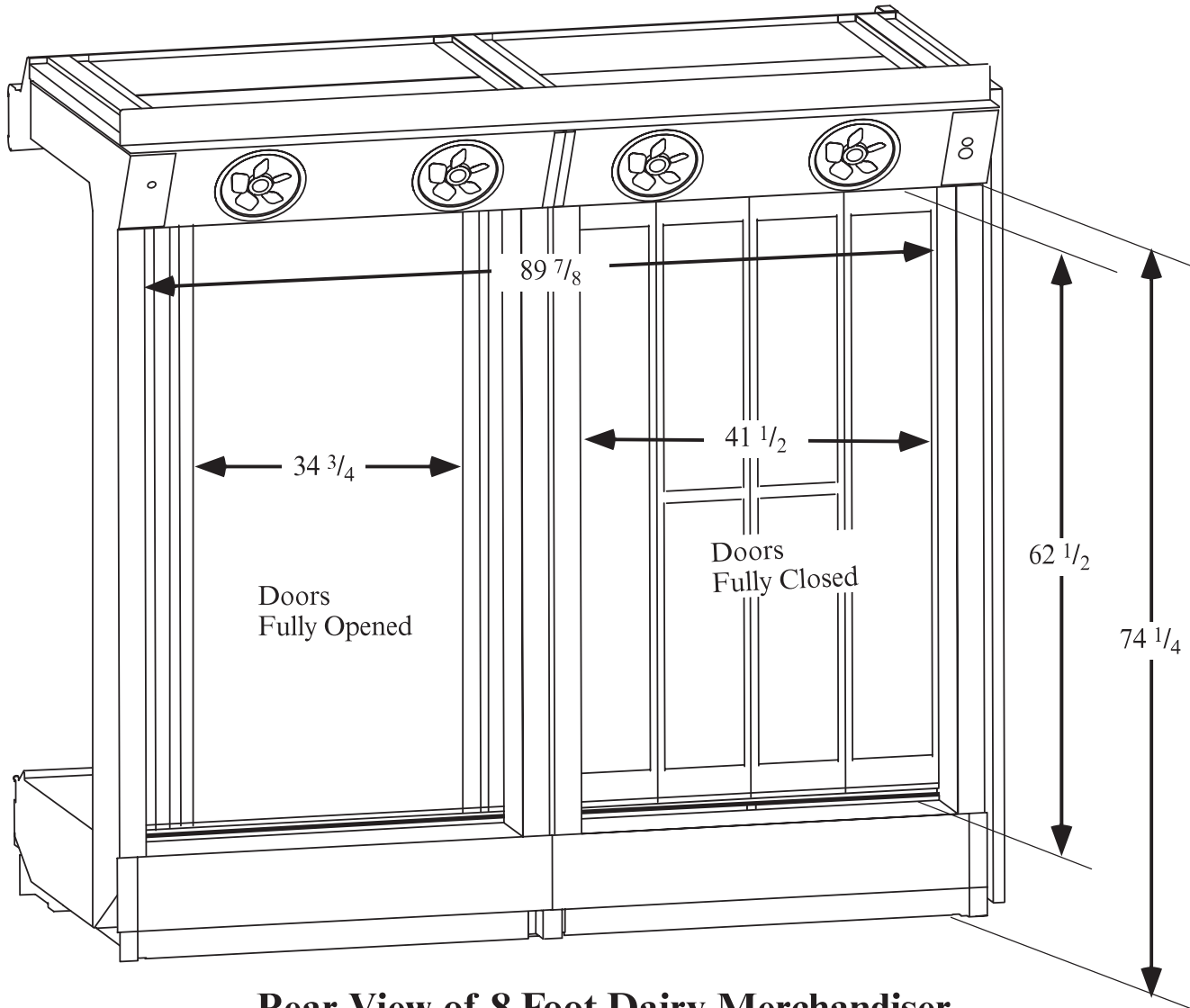
WARNING

All components must have mechanical ground, and the merchandiser must be grounded.

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

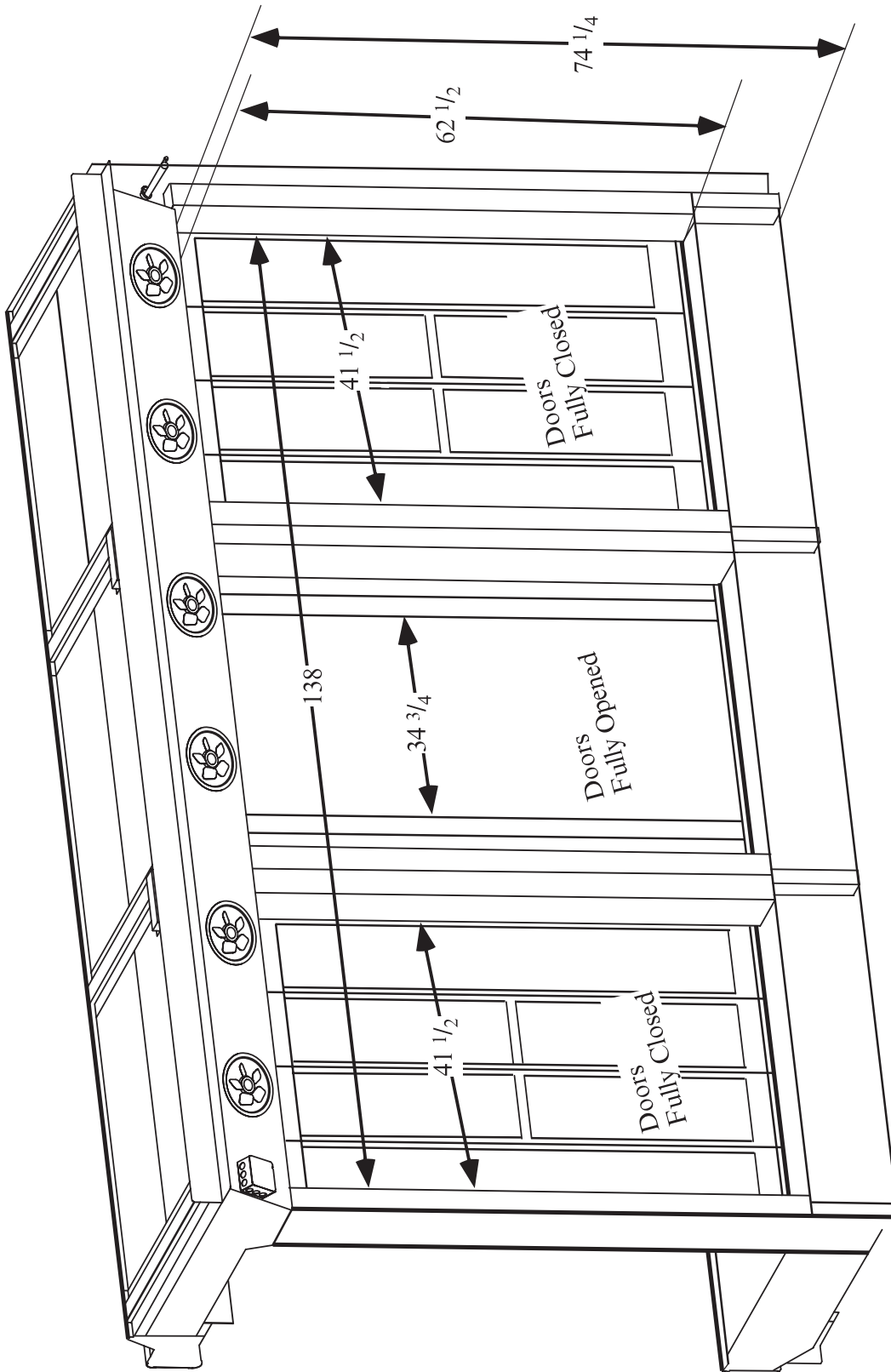
R = Red Y = Yellow G = Green BL = Blue BK = Black W = White

● = 120V POWER ○ = 120V NEUTRAL ⊥ = FIELD GROUND $\overline{\text{m}}$ = CASE GROUND



Rear View of 8 Foot Dairy Merchandiser

NOTE: Consult Ultra-Low Front Installation manual for instructions on connecting the merchandiser to the cooler.



NOTE: Consult Ultra-Low Front Installation manual for instructions on connecting the merchandiser to the cooler.

Rear View of 12 Foot Dairy Merchandiser