

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.

IMPORTANT
ONE FLOOR DRAIN IS REQUIRED FOR EACH CASE.

Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
FAN ASSEMBLIES				6 Ft Only			
8 Ft & 12 Ft				B. 7W Standard Fan Assembly — Return (2)			
A.	13W Standard Fan Assembly — Discharge	(1)		0058698	Fan Motor, Return (MO.4410102)		
	0378349	Fan Motor, Discharge (MO.4410104)		0124150	Fan Blade (FB.0124150)		
	0463643	Fan Blade (FB.4780648)		7W Energy Efficient Fan Assembly — Return			
	13W Energy Efficient Fan Assembly — Discharge			0477654	Fan Motor, Return (MO.4410545)		
	0477656	Fan Motor, Discharge (MO.4410547)		0124150	Fan Blade (FB.0124150)		
	0463643	Fan Blade (FB.4780648)		THERMOSTATS			
6 Ft Only				C. Optional Adjustable Refrigeration Thermostat (3)			
A.	13W Standard Fan Assembly — Discharge	(1)		LAMPS AND BALLASTS			
	0378349	Fan Motor, Discharge (MO.4410104)		D. Ballast, Electronic (4)			
	0124150	Fan Blade (FB.0124150)		0480130	2 lamps (BA.4481676)		
	13W Energy Efficient Fan Assembly — Discharge			0480131	3 lamps (BA.4481654)		
	0477656	Fan Motor, Discharge (MO.4410547)		0480132	4 lamps (BA.4481677)		
	0124150	Fan Blade (FB.0124150)		E. Fluorescent Lamp (5)			
8 Ft & 12 Ft				<i>Replace with like fixtures</i>			
B.	12W Standard Fan Assembly — Return	(2)		LED FIXTURES AND POWER SUPPLY			
	0047000	Fan Motor, Return (MO.4410103)		F. 0501213 Power Supply (EP.4481861) (6)			
	0315470	Fan Blade (FB.0315470)		G. LED Canopy Fixture (7)			
	12W Energy Efficient Fan Assembly — Return			<i>Replace with like fixtures — See Page 5.</i>			
	0477655	Fan Motor, Return (MO.4410546)					
	0315470	Fan Blade (FB.0315470)					

Note: Revision E adds Btu note (page 3), EcoShine LED (page 4) and parts (page 5), and revises canopy wiring diagram (page 6). Other changes marked by bar, underline or circle.



Engineering Plan Views

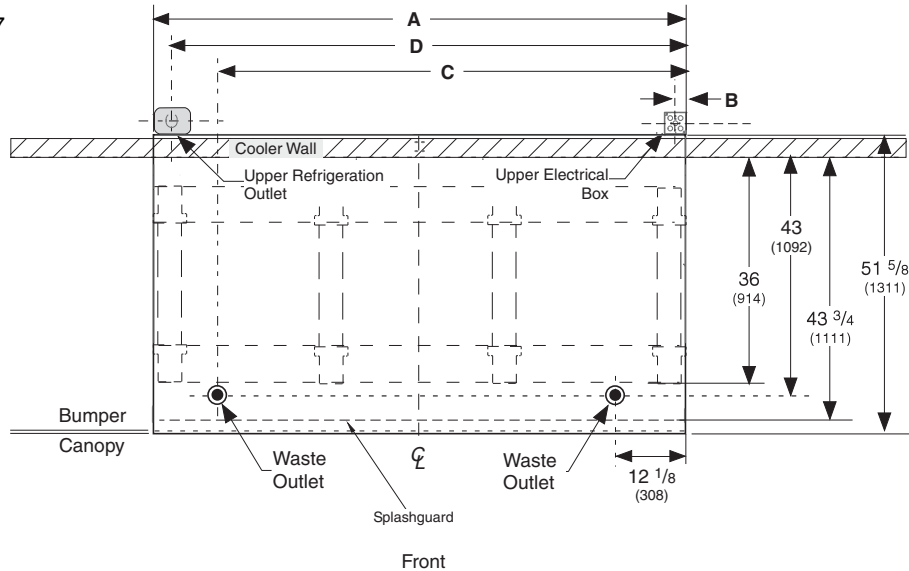
PHYSICAL DATA

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).

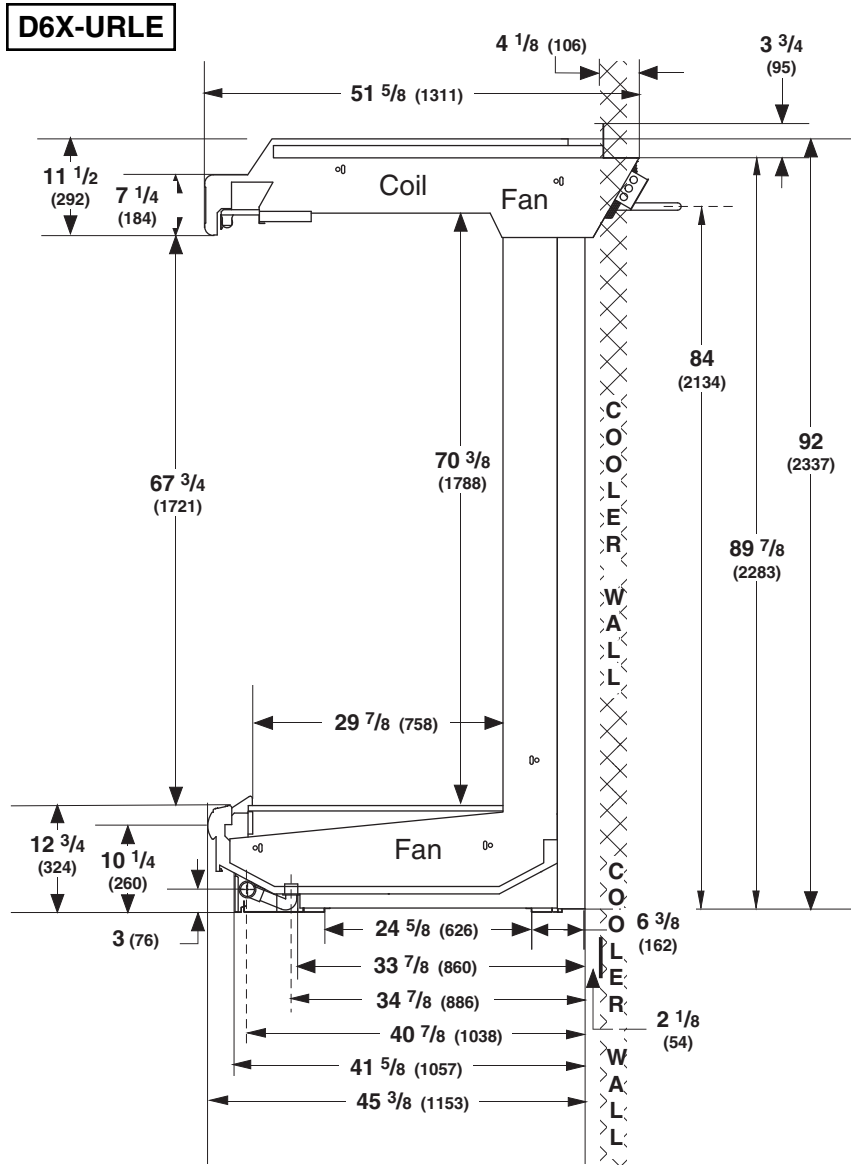
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Note: ALL FIELD WIRING CONNECTION POINTS ARE ABOVE THE CASE.
Case to case connections are made in the electrical box at the top of the case.

	6 ft	8 ft	12 ft
General			
(A) Case Length <i>(without ends or partitions)</i> <i>(Each end and insulated partition adds 1 1/2 in. (38 mm) to case line up.)</i>	72 3/8 (1838)	96 3/8 (2448)	144 1/2 (3670)
Maximum O/S dimension of case back to front <i>(front of canopy through cooler wall not including electrical box)</i>	51 5/8 (1311)	51 5/8 (1311)	51 5/8 (1311)
Cooler wall to front of splashguard	43 3/4 (1111)	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)	40 3/4 (1035)
Distance between edges of external rails and center rails	41 1/2 (1054)	41 1/2 (1054)	41 1/2 (1054)
Distance between edges of center rails	NA	NA	43 7/8 (1114)
Distance between front rails and splashguard	7 3/4 (197)	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)	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)	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	60 1/4 (1530)	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)	12 1/8 (308)
Cooler wall to center of waste outlets	42 (1067)	42 (1067)	42 (1067)
Schedule 40 PVC drip pipe	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)
Refrigeration Outlet <input type="checkbox"/>			
Cooler wall to center of refrigeration outlet	4 1/4 (108)	4 1/4 (108)	4 1/4 (108)
(D) RH end of case to center of refrigeration outlet	69 1/4 (1759)	93 1/4 (2369)	141 3/8 (3591)

Dimensions shown as in. & (mm).



ALL FIELD WIRING CONNECTION POINTS ARE ABOVE THE CASE.

NSF Certification

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

Impact *Excel* D6X-URLE Dairy

REFRIGERATION DATA

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

	D6X-URLE
Discharge Air (°F)	27
Evaporator (°F)	21
Unit Sizing (°F)	19

Important Note: Btu numbers are for the D6X-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 D6X-URLE case installed to the cooler.

Btu/hr/ft [‡]	D6X-URLE
Parallel	1200
Conventional	1375

[‡]Optional energy efficient motors reduce the refrigeration load by 70 Btu/hr/ft.

DEFROST DATA

	D6X-URLE
Frequency (hr)	6
Defrost Water (lb/ft/day)	6
(± 15% based on case configuration and product loading).	

OFF TIME	D6X-URLE
Time Terminated (minutes)	45
ELECTRIC OR GAS	Not Recommended
Standard Defrost Thermostat	— NA

CONVENTIONAL CONTROLS

Low Pressure Backup Control	D6X-URLE
C/CO (Temp °F)*	14/4
Indoor Unit Only, Pressure Defrost Termination (Temp °F)*	NA

*Use a Temperature Pressure Chart to determine PSIG conversions.

Estimated Charge **	D6X-URLE		
6 ft	2.0 lb	32 oz	0.9 kg
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.

Impact *Excel* D6X-URLE Dairy

Electrical Data

Number of Fans			6 ft	8 ft	12 ft			
Discharge — 13W			4	4	6			
Return — 12W			—	4	6			
Return — 7W			4	—	—			
			Amperes			Watts		
			6 ft	8 ft	12 ft	6 ft	8 ft	12 ft
Discharge Fan								
120V	60Hz	Standard	3.08	3.08	4.62	244	244	366
120V	50Hz	Standard	3.92	3.92	5.88	280	280	420
230V	60Hz	Export	1.56	1.56	2.34	244	244	366
230V	50Hz	Export	1.92	1.92	2.88	280	280	420
120V	60Hz	Energy Efficient	1.20	1.20	1.80	80	80	120
230V	60Hz	Energy Efficient	0.60	0.60	0.90	80	80	120
Return Fan								
120V	60Hz	Standard	2.00	2.60	3.90	156	200	300
120V	50Hz	Standard	2.20	3.00	4.50	168	228	342
230V	60Hz	Export	1.00	1.32	1.98	156	200	300
230V	50Hz	Export	1.12	1.52	2.28	168	228	342
120V	60Hz	Energy Efficient	0.76	1.20	1.80	56	72	108
230V	60Hz	Energy Efficient	0.40	0.60	0.90	56	72	108
Minimum Circuit Ampacity								
120V	60Hz	Standard	5.28	5.88	8.72			
120V	50Hz	Standard	6.32	7.12	10.58			
230V	60Hz	Export	2.76	3.08	4.52			
230V	50Hz	Export	3.04	3.64	5.36			
120V	60Hz	Energy Efficient	2.16	2.60	3.80			
230V	60Hz	Energy Efficient	1.20	1.40	2.00			
Maximum Over Current Protection 120V			20	20	20			
Maximum Over Current Protection 230V			15	15	15			
Standard Lighting (T-8 fluorescent)								
1 Row Canopy			0.51	0.51	0.77	59	59	85
Optional Lighting (T-8 fluorescent)								
Additional 1 Row Canopy			0.51	0.51	0.77	59	59	85
Additional 2 Row Canopy			1.02	1.02	1.54	118	118	170
1 Row Rail Light			0.51	0.51	0.77	59	59	85
EcoShine Multi-deck — Normal CRI—120VAC, 50/60Hz								
2 Row Canopy (Front & Rear)			0.41	0.55	0.82	49	66	98
EcoShine Multi-deck — High CRI —120VAC, 50/60Hz								
2 Row Canopy (Front & Rear)			0.47	0.63	0.93	56	75	112
Always*Bright Multi-deck —120VAC, 50/60Hz								
2 Row Canopy			0.55	0.71	1.08	66	85	130

Lighted shelves are not available for rear-load models.

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

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

Product Data

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Ft)	10.47 ft ³ /ft (0.97 m ³ /m)
<i>Total Display Area</i> ² (Sq Ft/Ft)	5.73 ft ² /ft (1.75 m ² /m)
<i>Shelf Area</i> ³ (Sq Ft/Ft)	9.86 ft ² /ft (3.01 m ² /m)

¹ Refrigerated Volume less shelving and other unusable space: Refrigerated Volume/Unit of Length, ft³/ft [m³/m]

² 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 (5) rows of 22-inch shelves.

ESTIMATED SHIPPING WEIGHT⁴

Case				Solid End
	<i>6 ft</i>	<i>8 ft</i>	<i>12 ft</i>	<i>(each)</i>
lb (kg)	900 (408)	1170 (531)	1750 (794)	90 (41)

⁴ Actual weights will vary according to optional kits included.

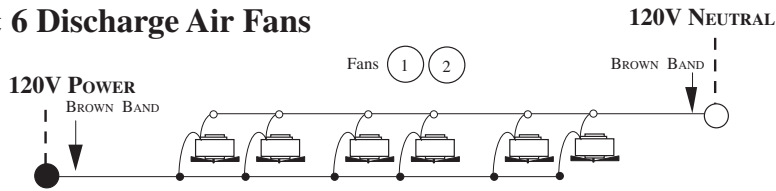
PARTS LIST (Continued from Page 1)

Item	Part #	Description	Item	Part #	Description
LED FIXTURES AND POWER SUPPLY					
F.	0501213	Power Supply (EP.4481861) (6)	G.	(CONTINUED)	EcoShine LED Canopy Fixture
G.	4441720	Front 48-inch 2900K HCRI	4441712	Front 36-inch	2900K HCRI
	4441722	Front 48-inch 3500K HCRI	4441714	Front 36-inch	3500K HCRI
	4441724	Front 48-inch 3500K	4441716	Front 36-inch	3500K
	4441726	Front 48-inch 4100K	4441718	Front 36-inch	4100K
	4441721	Rear 48-inch 2900K HCRI	4441713	Rear 36-inch	2900K HCRI
	4441723	Rear 48-inch 3500K HCRI	4441715	Rear 36-inch	3500K HCRI
	4441725	Rear 48-inch 3500K	4441717	Rear 36-inch	3500K
	4441727	Rear 48-inch 4100K	4441719	Rear 36-inch	4100K

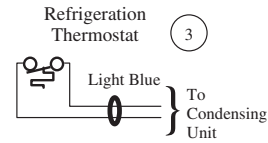
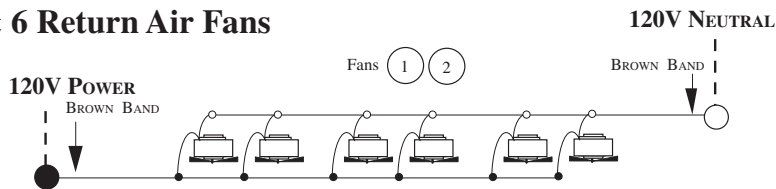
Note: Always*Bright lamps will be replaced with the latest generation of EcoShine lamps.

Fan Wiring Offtime Defrost

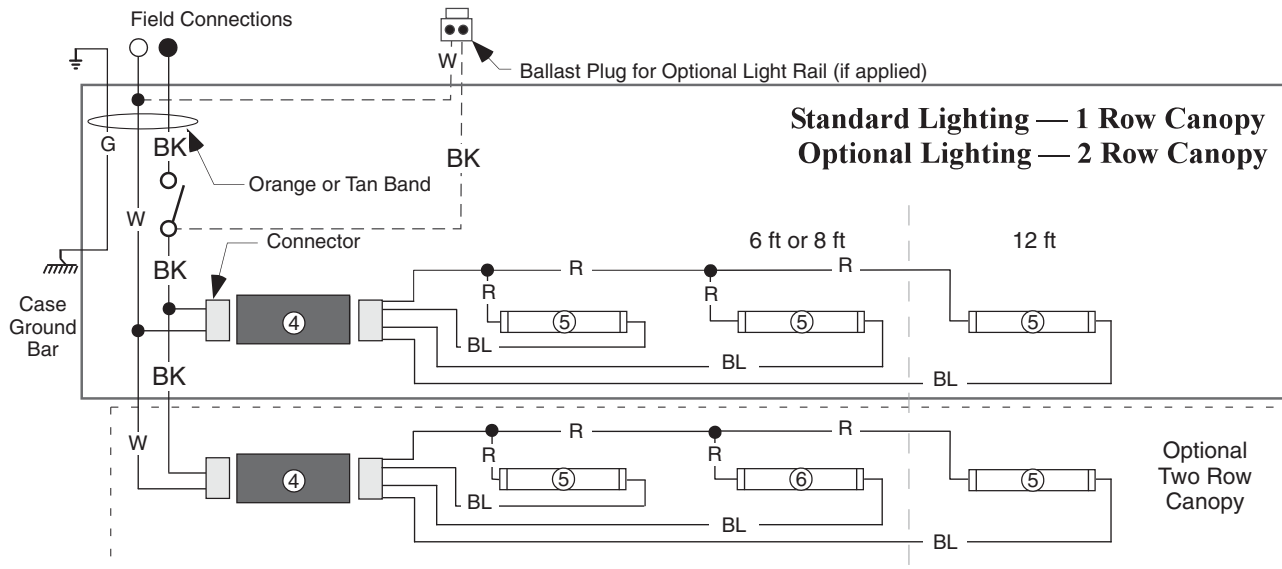
4 & 6 Discharge Air Fans



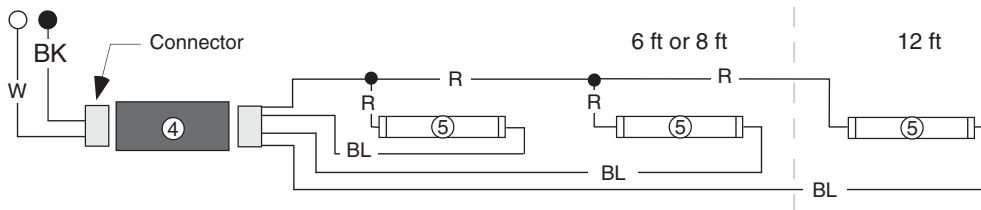
4 & 6 Return Air Fans



Light Circuits — Fluorescent Fixtures



Optional Lighting — 1 Row Rail



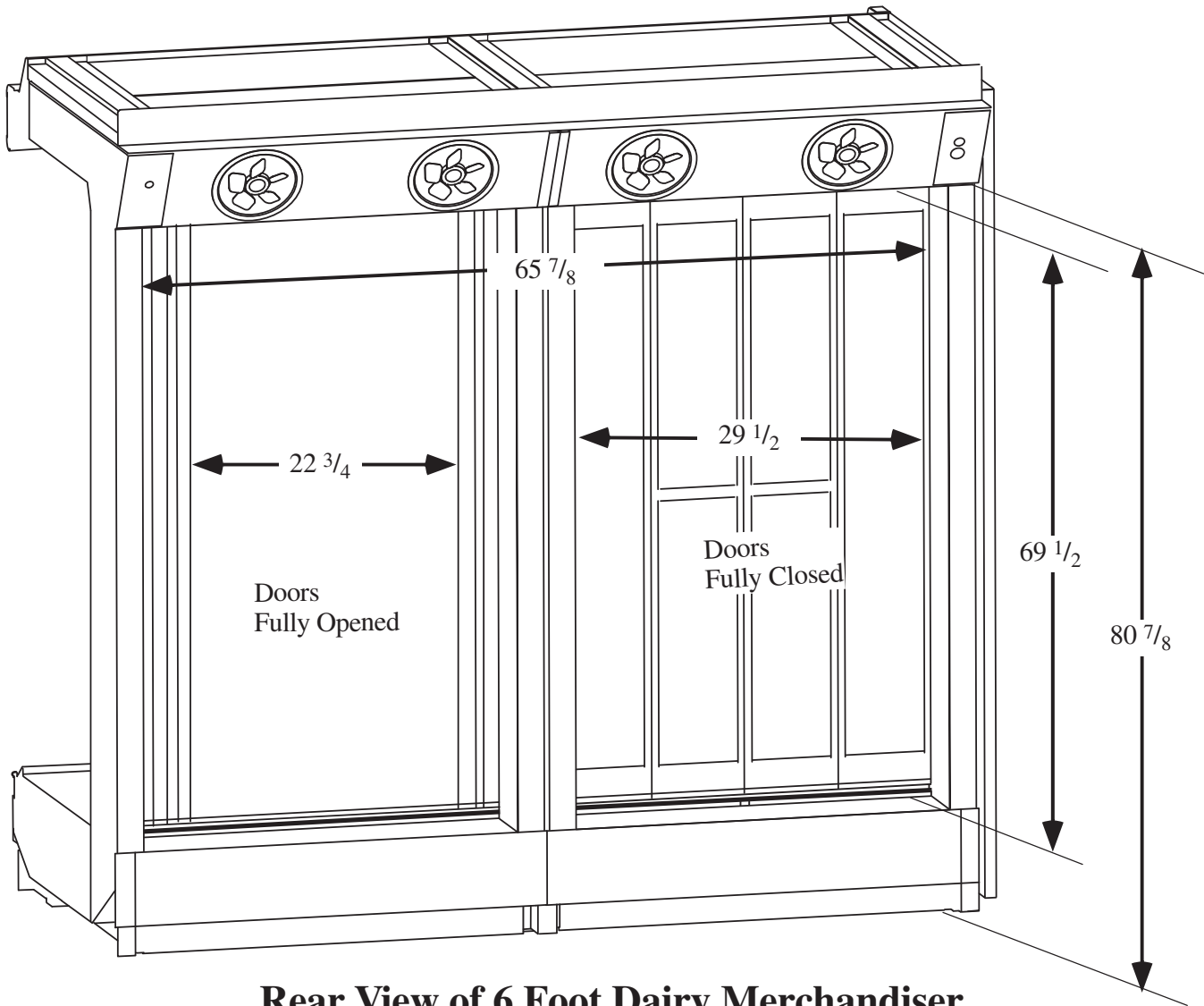
WARNING

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

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

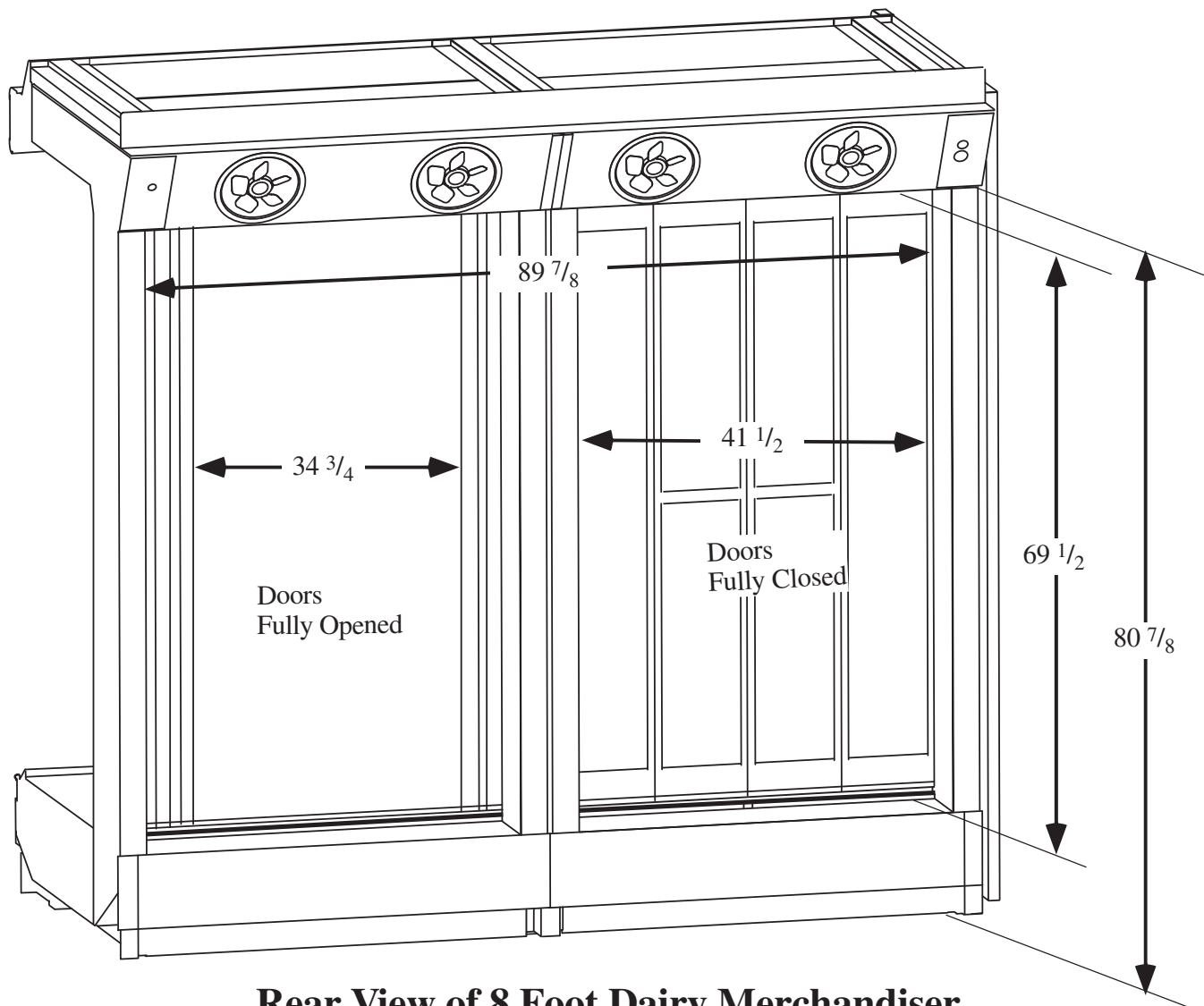
R = Red Y = Yellow G = Green BL = Blue BK = Black W = White

● = 120V POWER ○ = 120V NEUTRAL ⚡ = FIELD GROUND ⚡⚡ = CASE GROUND



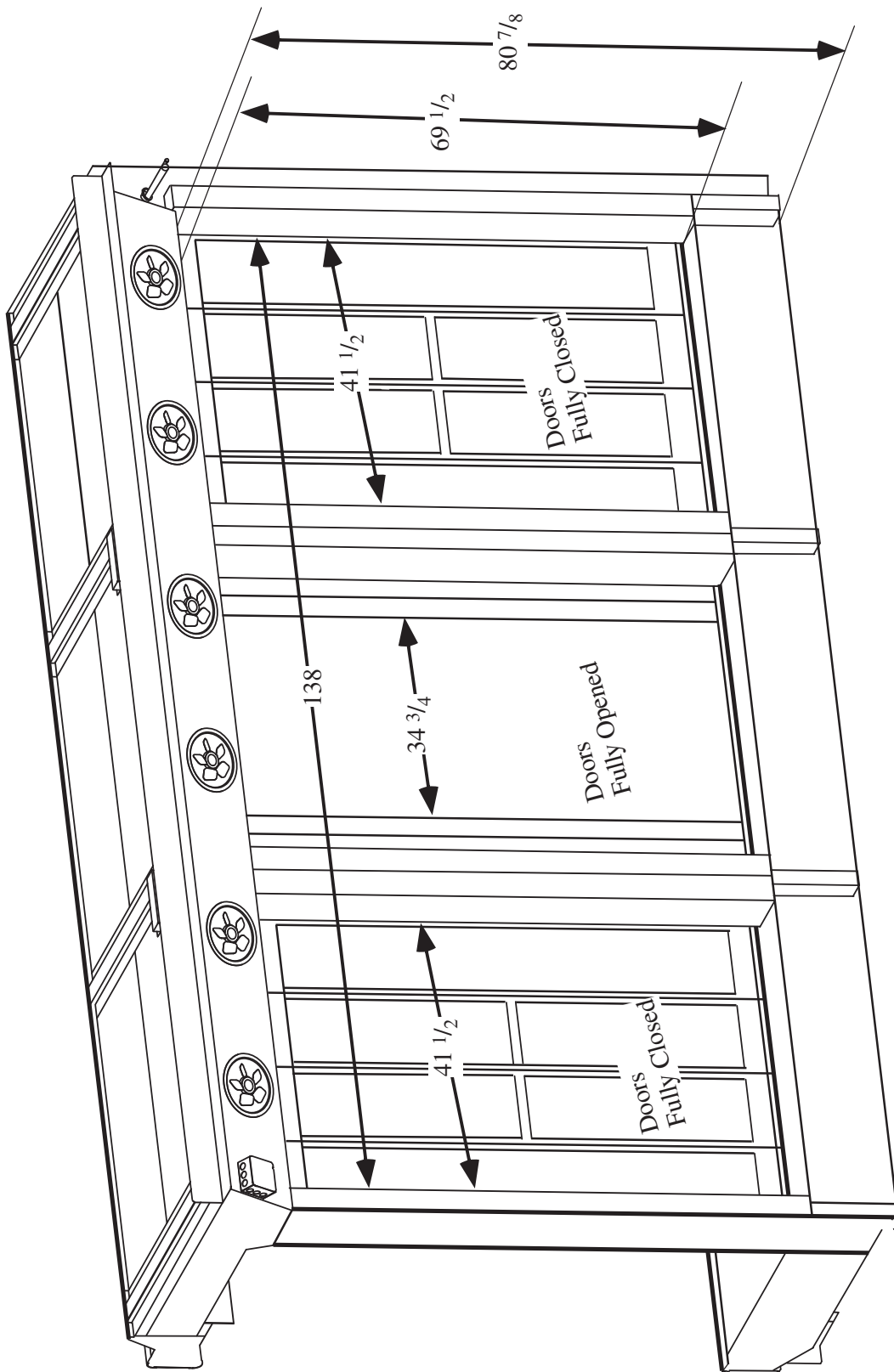
Rear View of 6 Foot Dairy Merchandiser

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



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