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Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
FAN ASSEMBLIES AND THERMOSTATS				HEATERS			
10 Ft, 12 Ft, 14 Ft & 16 Ft				C.	0447688	Anti-Sweat Heater (HE.4850682)	(3)
A.	12W Standard	Fan Assembly	(1)	LAMPS AND BALLASTS			
	0047000	Fan Motor, Evaporator (MO.4410103)		D.	0447683	Ballast, Electronic 2 Lamp (BA.4440811)	(4)
	0376413	Fan Blade (FB.0376413) embossing toward motor		E.		Fluorescent Lamp	(5)
	12W Energy Efficient	Fan Assembly	(1)			<i>Replace with like fixtures</i>	
	0477655	Fan Motor, Evaporator (MO.4410546)					
	0376413	Fan Blade (FB.0376413) embossing toward motor					
B.	Optional Adjustable Refrigeration Thermostat	(2)					
	0448347	(CT.4481631)					

Note: Revision C adds energy efficient fan Btu note on page 3.

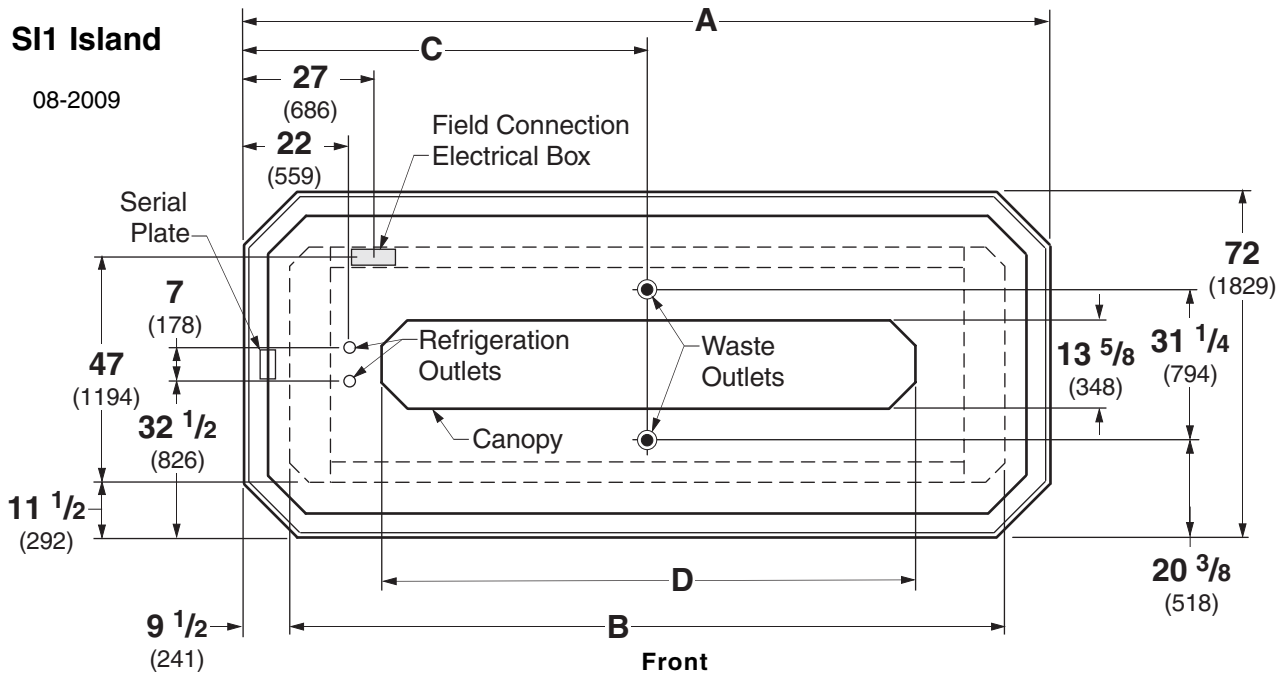





Engineering Plan Views

Dimensions shown as inches and (mm).

PHYSICAL DATA

Merchandiser Drip Pipe (in.)	1 1/2
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	5/8



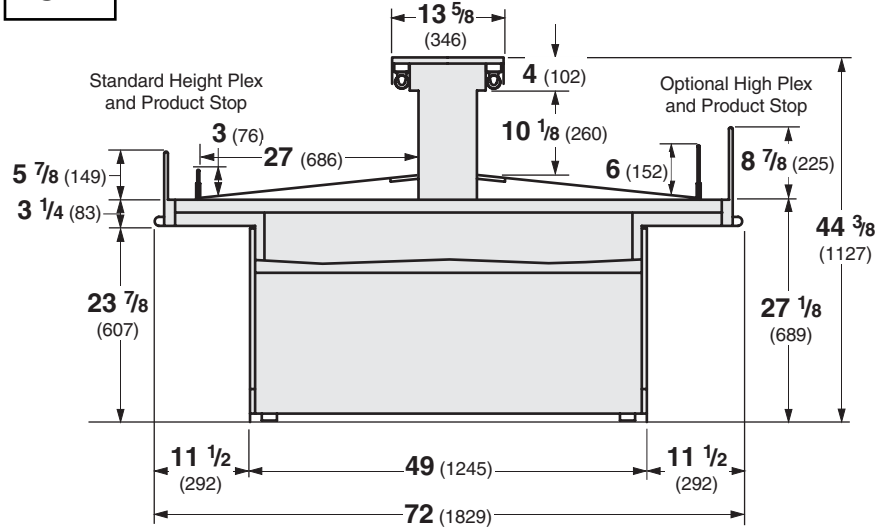
	10 ft	12 ft	14 ft	16 ft
General				
(A) Overall Case Length	120 (3048)	144 (3658)	168 (4267)	192 (4877)
(B) Base Length	101 (2565)	125 (3175)	149 (3785)	173 (4394)
Maximum O/S dimension of case back to front (<i>includes bumper</i>)	72 (1829)	72 (1829)	72 (1829)	72 (1829)
Front of splashguard to O/S edge of front base rail	1 5/8 (41)	1 5/8 (41)	1 5/8 (41)	1 5/8 (41)
Front of case to O/S edge of front base rail	13 1/8 (333)	13 1/8 (333)	13 1/8 (333)	13 1/8 (333)
Back of case to O/S edge of front base rail	58 7/8 (1495)	58 7/8 (1495)	58 7/8 (1495)	58 7/8 (1495)
Width of base rail	1 7/8 (48)	1 7/8 (48)	1 7/8 (48)	1 7/8 (48)
(D) Length of Canopy	61 5/8 (1565)	85 5/8 (2175)	109 5/8 (2784)	133 5/8 (3394)
Width of Canopy	13 5/8 (346)	13 5/8 (346)	13 5/8 (346)	13 5/8 (346)
Electrical Service  (<i>Electrical Field Wiring connection point</i>)				
Center of Electrical service to O/S edge of front base rail	47 (1194)	47 (1194)	47 (1194)	47 (1194)
Left end of case to center of field connection box	27 (686)	27 (686)	27 (686)	27 (686)
Right end of case to center of field connection box	93 (2362)	117 (2972)	141 (3581)	165 (4191)
Waste Outlets 				
(C) LH End of case to the center of waste outlet	78 (1981)	102 (2591)	84 (2134)	96 (2438)
Center of front waste outlet to outside of front base rail	8 7/8 (225)	8 7/8 (225)	8 7/8 (225)	8 7/8 (225)
Center of back waste outlet to outside of front base rail	40 1/8 (1019)	40 1/8 (1019)	40 1/8 (1019)	40 1/8 (1019)
Schedule 40 PVC drip pipe	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)
Refrigeration Outlet 				
LH end of case to center of refrigeration outlet	22 (559)	22 (559)	22 (559)	22 (559)
RH end of case to center of refrigeration outlet	98 (2489)	122 (3099)	146 (3708)	170 (4318)

Single Deck Island, 1 Display Level

Dimensions shown as inches and (mm).

SI1
Delicatessen

SI1



REFRIGERATION DATA

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

Discharge Air (°F)	SI1 27
Evaporator (°F)	15
Unit Sizing (°F)	13
Btu/hr/ft[‡]	SI1
Parallel	1260
Conventional	1375

[‡]Optional energy efficient motors reduce the refrigeration load by 73 Btu/hr/ft.

DEFROST DATA

Frequency (hr)	SI1 4
Defrost Water (lb/ft/day)	9

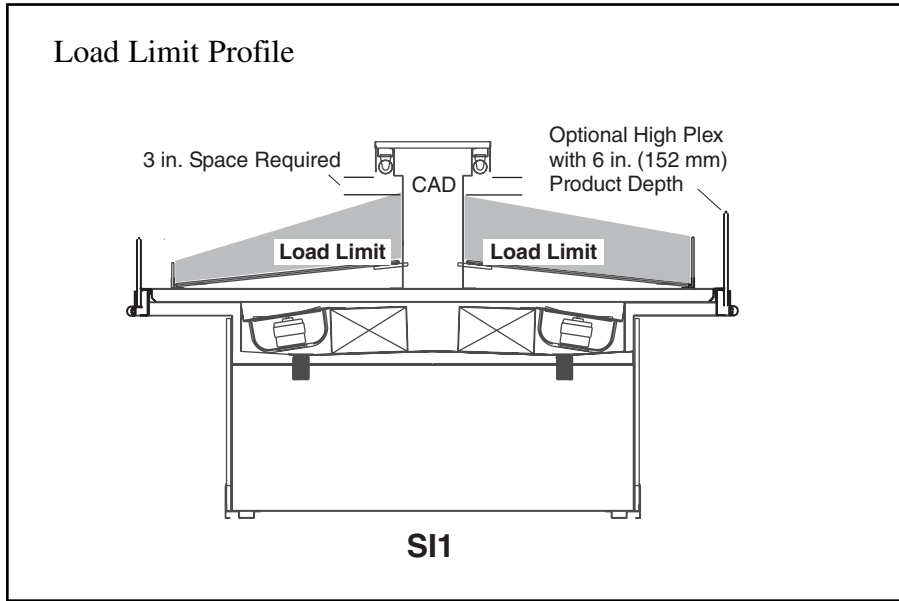
(± 15% based on case configuration and product loading).

NSF® Certification

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

OFFTIME	SI1 20
Time Terminated (minutes)	20

ELECTRIC OR GAS Not Recommended



CONVENTIONAL CONTROLS

Low Pressure Backup Control	SI1
CI/CO*	8°F / -2°F
Indoor Unit Only, Pressure Defrost Termination*	48°F

*Use a Temperature Pressure Chart to determine PSIG conversions.

Estimated Charge **	SI1
10 ft	2.1 lb 34 oz 1.0 kg
12 ft	2.5 lb 40 oz 1.1 kg
14 ft	3.1 lb 50 oz 1.4 kg
16 ft	3.7 lb 59 oz 1.7 kg

**This is an average for all refrigerant types. Actual refrigerant charge may vary by approximately half a pound.

Cases may not function properly if they are loaded above load limits.

Air flow between the shelves, from the Center Air Discharge (CAD) to the return, must be maintained at all times for optimum operating efficiency and to prolong product shelf life. At no time should merchandisers be stocked beyond the load limits indicated.

SI1

Delicatessen

Electrical Data

			10 ft	12 ft	14 ft	16 ft				
Number of Fans – 12W			6	8	10	12				
			Amperes				Watts			
			10 ft	12 ft	14 ft	16 ft	10 ft	12 ft	14 ft	16 ft
Evaporator Fan										
120V	60Hz	Standard	3.90	5.20	6.50	7.80	300	400	500	600
120V	50Hz	Standard	4.50	6.00	7.50	9.00	342	456	570	684
230V	60Hz	Export	NA	NA	NA	NA	NA	NA	NA	NA
230V	50Hz	Export	NA	NA	NA	NA	NA	NA	NA	NA
120V	60Hz	Energy Efficient	1.80	2.40	3.00	3.60	108	144	180	216
230V	60Hz	Energy Efficient	NA	NA	NA	NA	NA	NA	NA	NA
Anti-sweat Heaters										
120V	50/60Hz	Standard	1.00	1.33	1.67	2.00	120	160	200	240
230V	50/60Hz	Export	NA	NA	NA	NA	NA	NA	NA	NA
Minimum Circuit Ampacity (MCA)										
120V	60Hz	Standard	5.10	6.73	8.37	10.00				
120V	50Hz	Standard	5.22	6.90	8.57	10.24				
230V	60Hz	Export	NA	NA	NA	NA				
230V	50Hz	Export	NA	NA	NA	NA				
120V	60Hz	Energy Efficient	2.52	3.30	4.07	4.84				
230V	60Hz	Energy Efficient	NA	NA	NA	NA				
Maximum Over Current Protection 120V			20	20	20	20				
Maximum Over Current Protection 230V			NA	NA	NA	NA				
Standard Lighting										
1 Row Canopy			0.80	1.20	1.60	2.00	96	144	192	240
Optional Lighting										
1 Row of Ledge			2.00	2.33	2.67	3.00	240	280	320	360
Optional Shelf Lighting										
None										

115V Lighting Circuit Total = Standard Lighting + Total Optional Lighting + Optional Shelf Lighting

Product Data

SI110

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Case)	22.50 ft ³ /case (0.64 m ³ /case)
<i>AHRI Total Display Area</i> ² (Sq Ft/Case)	42.53 ft ² /case (3.95 m ² /case)
<i>Shelf Area</i> ³ (Sq Ft/Case)	45.00 ft ² /case (4.18 m ² /case)

SI112

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Case)	27.00 ft ³ /case (0.76 m ³ /case)
<i>AHRI Total Display Area</i> ² (Sq Ft/Case)	51.04 ft ² /case (4.74 m ² /case)
<i>Shelf Area</i> ³ (Sq Ft/Case)	54.00 ft ² /case (5.02 m ² /case)

SI114

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Case)	31.50 ft ³ /case (0.89 m ³ /case)
<i>AHRI Total Display Area</i> ² (Sq Ft/Case)	59.54 ft ² /case (5.53 m ² /case)
<i>Shelf Area</i> ³ (Sq Ft/Case)	63.00 ft ² /case (5.85 m ² /case)

SI116

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Case)	36.00 ft ³ /case (1.02 m ³ /case)
<i>AHRI Total Display Area</i> ² (Sq Ft/Case)	68.05 ft ² /case (6.32 m ² /case)
<i>Shelf Area</i> ³ (Sq Ft/Case)	72.00 ft ² /case (6.69 m ² /case)

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 none.

ESTIMATED SHIPPING WEIGHT ⁴

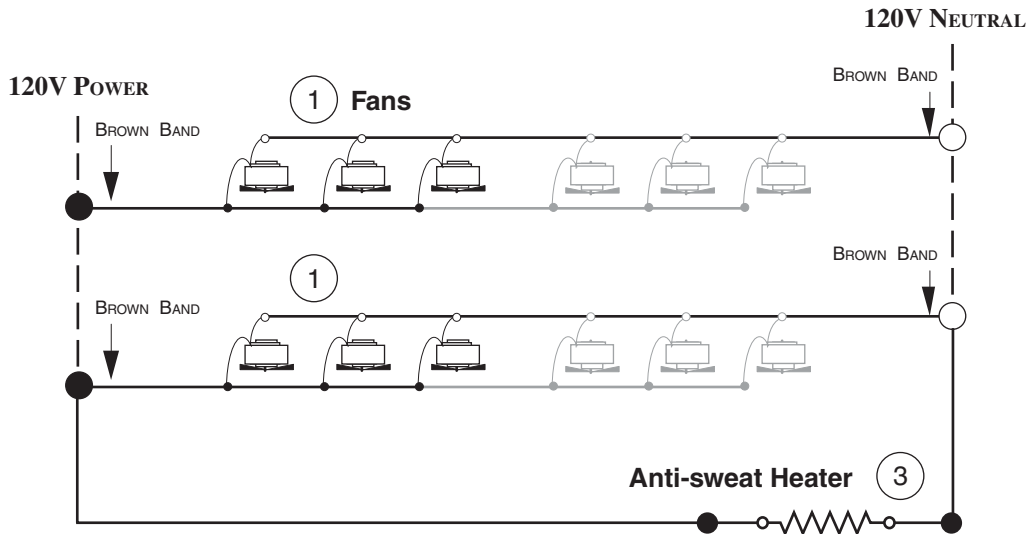
Case	<i>10 ft</i>	<i>12 ft</i>	<i>14 ft</i>	<i>16 ft</i>	<i>End</i>
lb (kg)	1200 (544)	1400 (635)	1500 (680)	1600 (726)	NA

⁴ Actual weights will vary according to optional kits included.

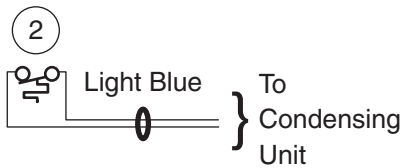
Fan Wiring Offtime Defrost

6, 8, 10 & 12 Fans

- 10 ft — 6 Fans
- 12 ft — 8 Fans
- 14 ft — 10 Fans
- 16 ft — 12 Fans



Refrigeration Thermostat



WARNING

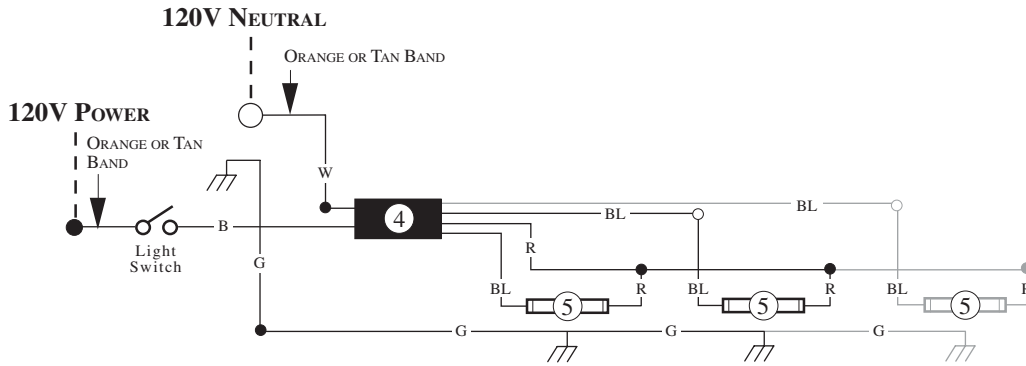
All components must have mechanical ground, and the merchandiser must be grounded.

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

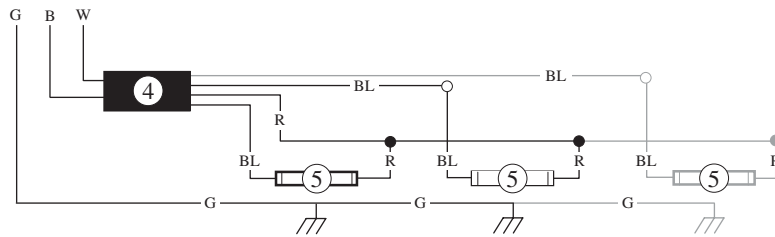
R = Red Y = Yellow G = Green BL = Blue B = Black W = White

● = 120V POWER ○ = 120V NEUTRAL ⊥ = FIELD GROUND ≡ = CASE GROUND

Standard Lighting — 1 Row Canopy



Optional Ledge Light Circuit



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 B = Black W = White

● = 120V POWER ○ = 120V NEUTRAL \perp = FIELD GROUND /// = CASE GROUND