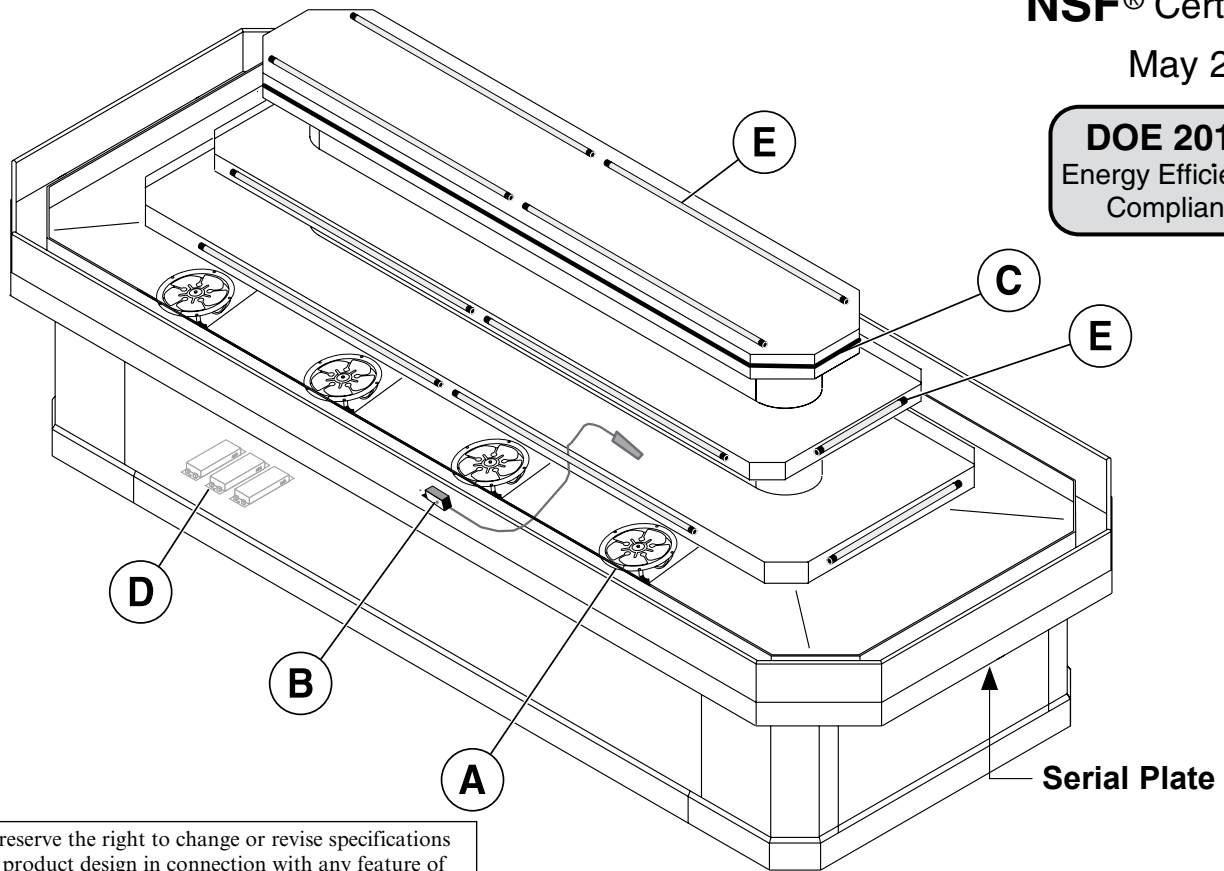


DOE 2012
Energy Efficiency
Compliant



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.

Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
FAN ASSEMBLIES AND THERMOSTATS				HEATERS			
10 Ft				C.	Anti-Sweat Heater		(3)
A.	12W Standard Energy Efficient Fan Assembly (1)			0487118	10 ft (HE.4850668)		
	0477655	Fan Motor, Evaporator (MO.4410546)		LAMPS AND BALLASTS			
	0142780	Fan Blade (FB.0142780) embossing toward motor		D.	Ballast, Electronic		(4)
B.	Optional Adjustable Refrigeration Thermostat (2)			0355398	3 Lamps (BA.4480118)		
	0448347	(CT.4481631)		0355716	2 Lamps (BA.0355716)		
				0447740	(BA.4481278)		
				E.	Fluorescent Lamp		(5)
					<i>Replace with like fixtures</i>		

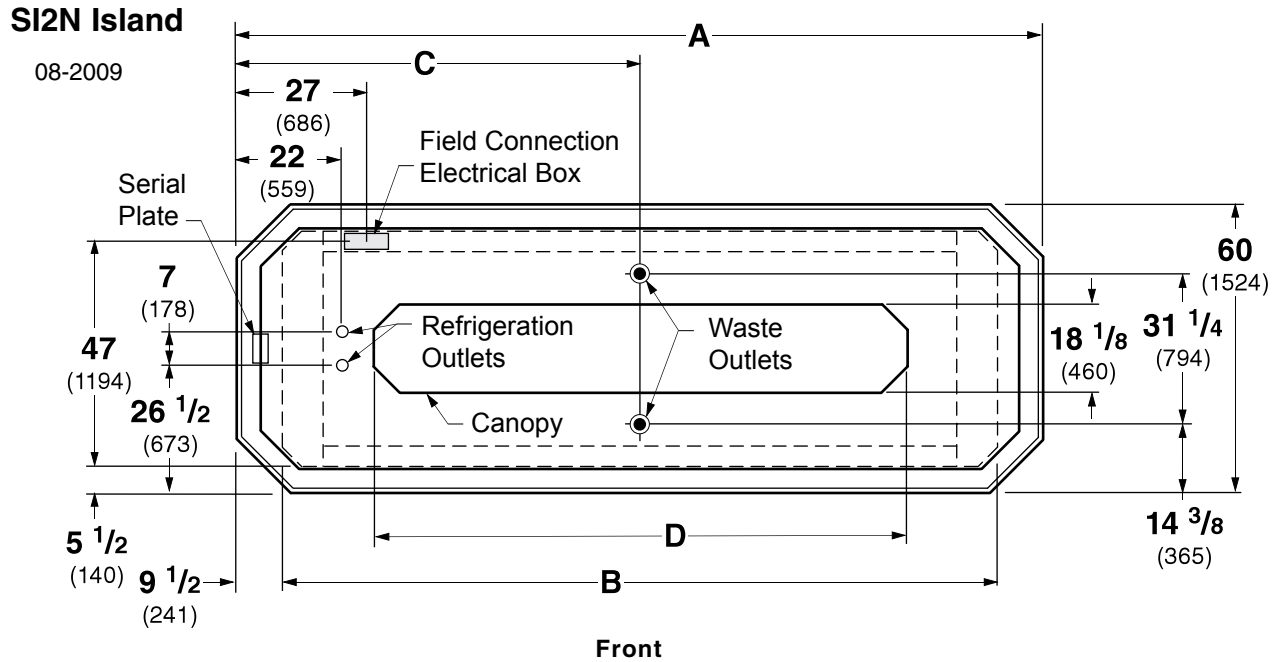
Datasheet-Speciality SI2N




Note: Revision E removes 12 foot data. Other changes marked by bar, underline or circle.

Engineering Plan Views

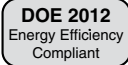
PHYSICAL DATA	
Merchandiser Drip Pipe (in.)	1 1/2
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	5/8

Dimensions shown as inches and (mm).



	10 ft
General	
(A) Overall Case Length	120 (3048)
(B) Base Length	101 7/8 (2588)
Maximum O/S dimension of case back to front (includes bumper)	60 (1524)
Front of splashguard to O/S edge of front base rail	1 5/8 (41)
Front of case to O/S edge of front base rail	13 1/8 (333)
Back of case to O/S edge of front base rail	58 7/8 (1495)
Width of base rail	1 7/8 (48)
(D) Length of Canopy	66 1/8 (1680)
Width of Canopy	18 1/8 (460)
Electrical Service  (Electrical Field Wiring connection point)	
Center of Electrical service to O/S edge of front base rail	47 (1194)
Left end of case to center of field connection box	27 (686)
Right end of case to center of field connection box	93 (2362)
Waste Outlets 	
(C) LH End of case to the center of waste outlet	78 (1981)
Center of front waste outlet to outside of front base rail	8 7/8 (225)
Center of back waste outlet to outside of front base rail	40 1/8 (1019)
Schedule 40 PVC drip pipe	1 1/2 (38)
Refrigeration Outlet 	
LH end of case to center of refrigeration outlet	22 (559)
RH end of case to center of refrigeration outlet	98 (2489)

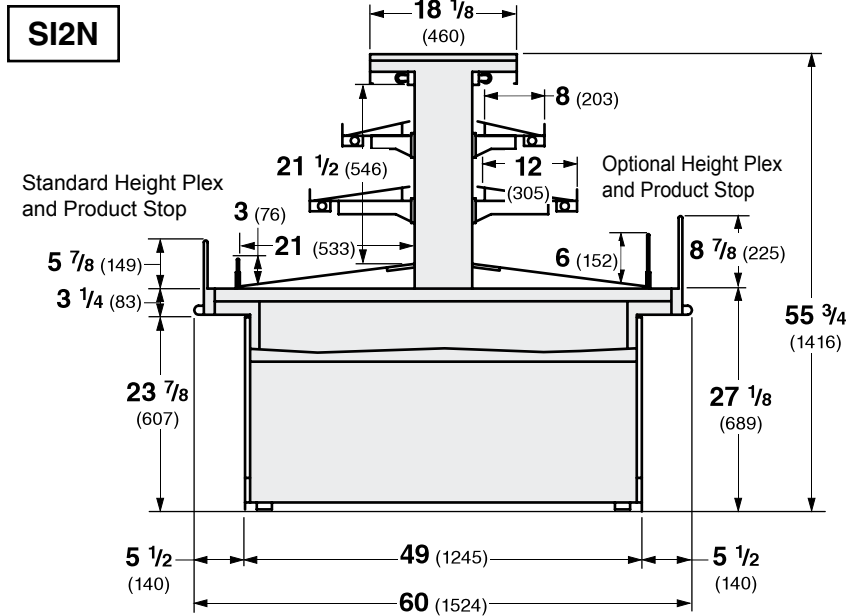
Multi-deck Island, 3 Display Levels, Narrow Footprint



Husmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2012 energy efficiency standards.

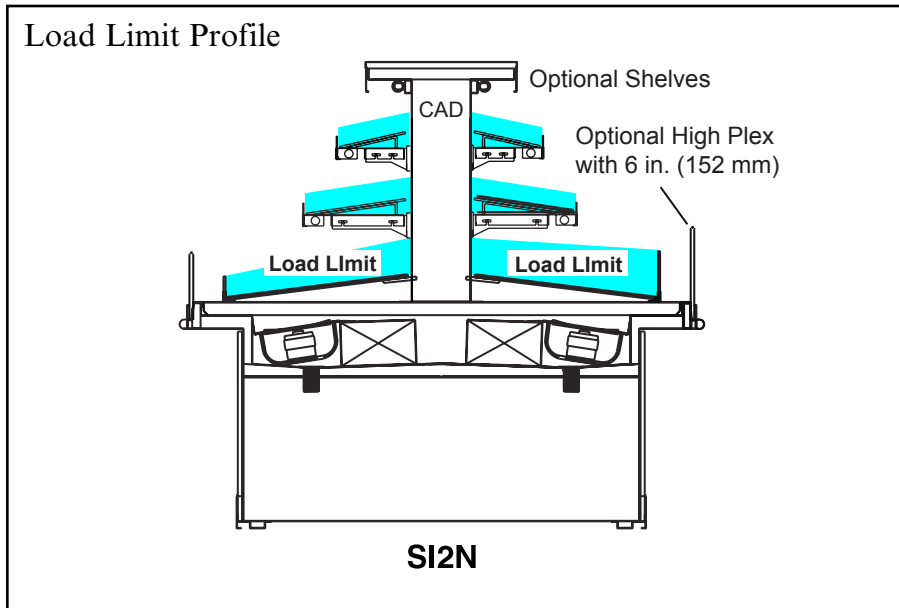


Dimensions shown as inches and (mm).



NSF Certification

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



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.

REFRIGERATION DATA

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

	SI2N
Discharge Air (°F)	27
Evaporator (°F)	20
Unit Sizing (°F)	18

Btu/hr/ft

LIT & UNLIT SHELVES	SI2N
Parallel	1371
Conventional	1502

DEFROST DATA

	SI2N
Frequency (hr)	4
Defrost Water (lb/ft/day)	12

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

OFFTIME	SI2N
Time Terminated (minutes)	20

ELECTRIC OR GAS Not Recommended

CONVENTIONAL CONTROLS

Low Pressure Backup Control	SI2N
CI/CO*	14°F / 4°F
Indoor Unit Only, Pressure Defrost Termination*	48°F

*Use a Temperature Pressure Chart to determine PSIG conversions.

Estimated Charge **	SI2N
10 ft	2.1 lb 34 oz 1.0 kg

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

SI2N Multi-deck Island

Electrical Data

	10 ft	
Number of Fans – 12W	6	
	Amperes	Watts
	10 ft	10 ft
Evaporator Fan		
120V 50/60Hz Standard Energy Efficient	1.80	108
230V 50/60Hz Standard Energy Efficient	NA	NA
230V 60Hz Export	NA	NA
230V 50Hz Export	NA	NA
Anti-sweat Heaters		
120V 50/60Hz Standard	0.70	84
230V 50/60Hz Export	NA	NA
Minimum Circuit Ampacity (MCA)		
120V 50/60Hz Standard Energy Efficient	2.61	
230V 50/60Hz Standard Energy Efficient	NA	
230V 60Hz Export	NA	
230V 50Hz Export	NA	
Maximum Over Current Protection 120V	20	
Maximum Over Current Protection 230V	NA	

ONLY LIGHTING CONFIGURATIONS THAT ARE COMPLIANT WITH THE U.S. DEPT. OF ENERGY (DOE) 2012 REGULATION ARE AVAILABLE FOR SALE FOR USE IN THE U.S.A.

Standard Lighting

1 Row Canopy	0.49	59
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Optional Lighting

1 Row of Ledge	2.00	240
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Optional Shelf Lighting

1 Row of Shelves	0.82	98
2 Rows of Shelves	1.63	196

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

SI2N Multi-deck Island

Product Data

SI2N10

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Case)	37.02 ft ³ /case (1.05 m ³ /case)
<i>AHRI Total Display Area</i> ² (Sq Ft/Case)	54.10 ft ² /case (5.03 m ² /case)
<i>Shelf Area</i> ³ (Sq Ft/Case)	66.80 ft ² /case (6.21 m ² /case)

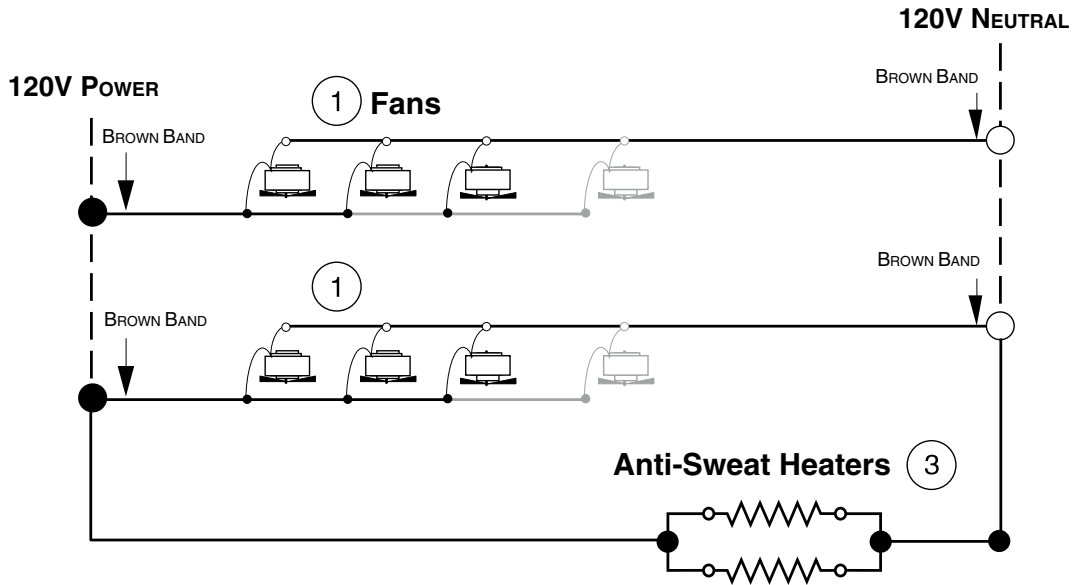
- ¹ AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume / Unit of Length, ft³/ft [m³/m]
- ² Computed using AHRI 1200 standard methodology: Total Display Area, ft² [m²] / Unit of Length, ft [m]
- ³ Shelf surface area is composed of bottom deck plus standard shelf complement, as shown in the Husmann *Product Reference Guide*. The standard shelf complement for this model is (1) row of 8-inch shelf, (1) row of 12-inch shelf.

ESTIMATED SHIPPING WEIGHT ⁴		
Case	<i>10 ft</i>	<i>End</i>
lb (kg)	1200 (544)	NA
⁴ Actual weights will vary according to optional kits included.		

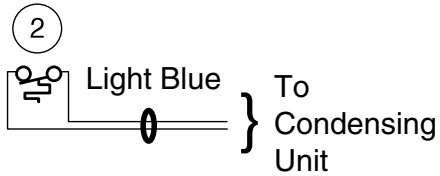
Fan Wiring Offtime Defrost

6 Fans

10 ft – 6 Fans



Refrigeration Thermostat



WARNING

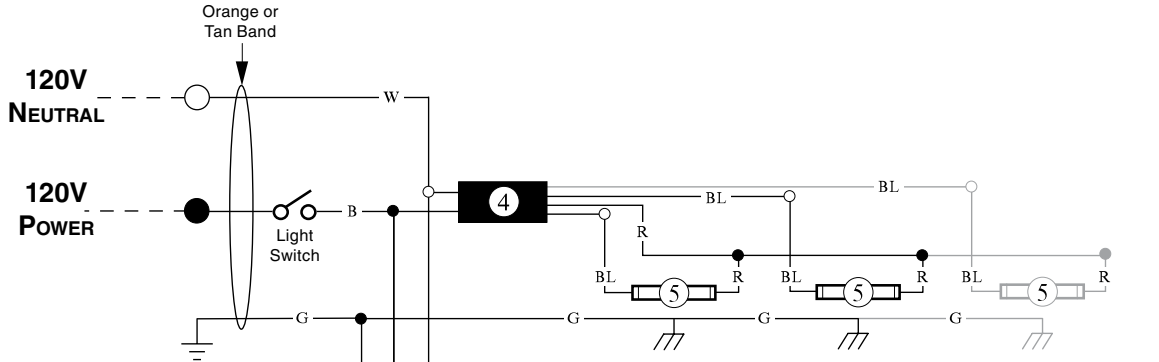
All components must have mechanical ground, and the merchandiser must be grounded.

Circled numbers = Parts list Item Numbers

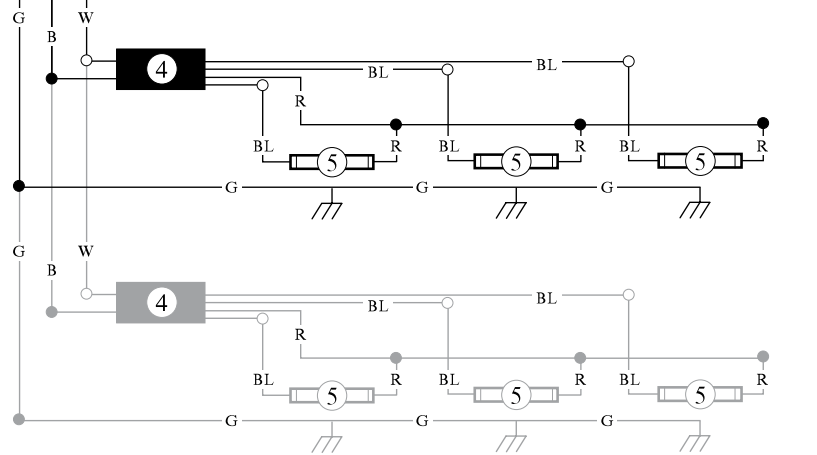
R = Red Y = Yellow G = Green BL = Blue BK = Black W = White

● = 120V Power ○ = 120V Neutral ⊥ = Field Ground ≡ = Case Ground

Standard Lighting — 1 Row Canopy



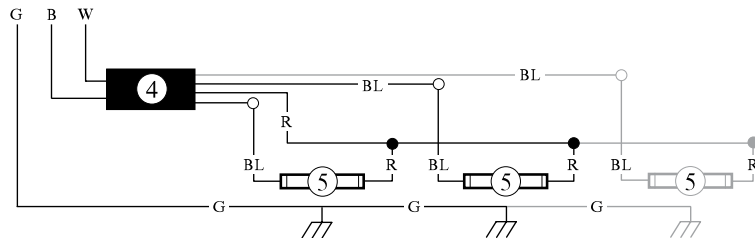
Lighted Shelf Wiring



Typical Shelf Ballast Wiring

Maximum lamps per ballast is three (3).
 Different shelf configurations and different case lengths will have more lamp ballasts.

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 BK = Black W = White

● = 120V Power ○ = 120V Neutral ⊥ = Field Ground ≡ = Case Ground