HUSSMANN®

RI2E

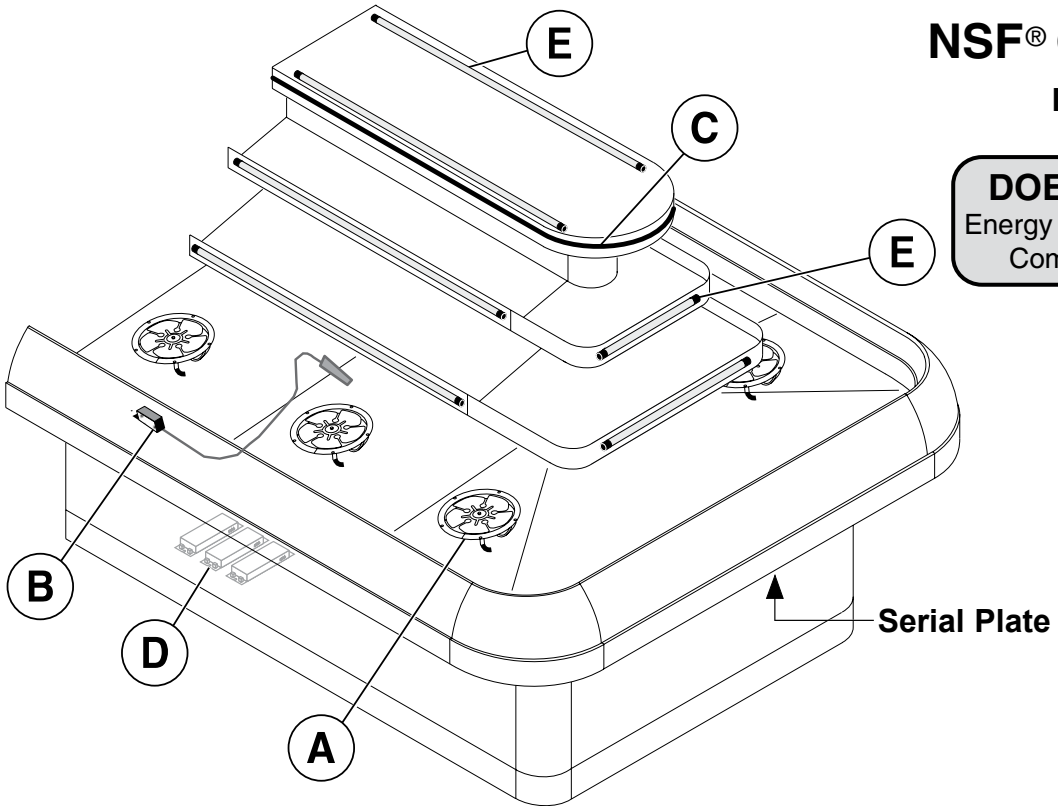
Technical Data Sheet

P/N 0492438_E

NSF® Certified

May 2016

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 #
FAN ASSEMBLIES AND THERMOSTATS			
10 Ft			
A.		**12W Standard Energy Efficient** Fan Assembly	(1)
	0047000	Fan Motor, Evaporator (MO.4410103)	
	0141070	Fan Blade (FB.0141070)	
	(8 ft & 10 ft only)	embossing toward motor	
	0407532	Fan Blade (FB.4780619)	
	(12 ft only)	embossing toward motor	
B.		Optional Adjustable Refrigeration Thermostat	(2)
	0448347	(CT.4481631)	

Item	Part #	Description	Wiring Item #
HEATERS			
C.		Anti-Sweat Heater	(3)
	0487124	10 ft (HE.4851035)	
	0487125	10 ft (HE.4851036)	
LAMPS AND BALLASTS			
D.		Ballast, Electronic	(4)
	0355398	3 Lamps (BA.4480118)	
	0355716	2 Lamps (BA.0355716)	
E.		Fluorescent Lamp	(5)
		Replace with like fixtures	

Datasheet-Speciality RI2E

Note: Revision E removes 8 and 12 foot data. Other changes marked by bar, underline or circle.

U.S. & CANADA 1-800-922-1919 • MEXICO 1-800-522-1900 • WWW.HUSSMANN.COM

Spanish 0538774

Engineering

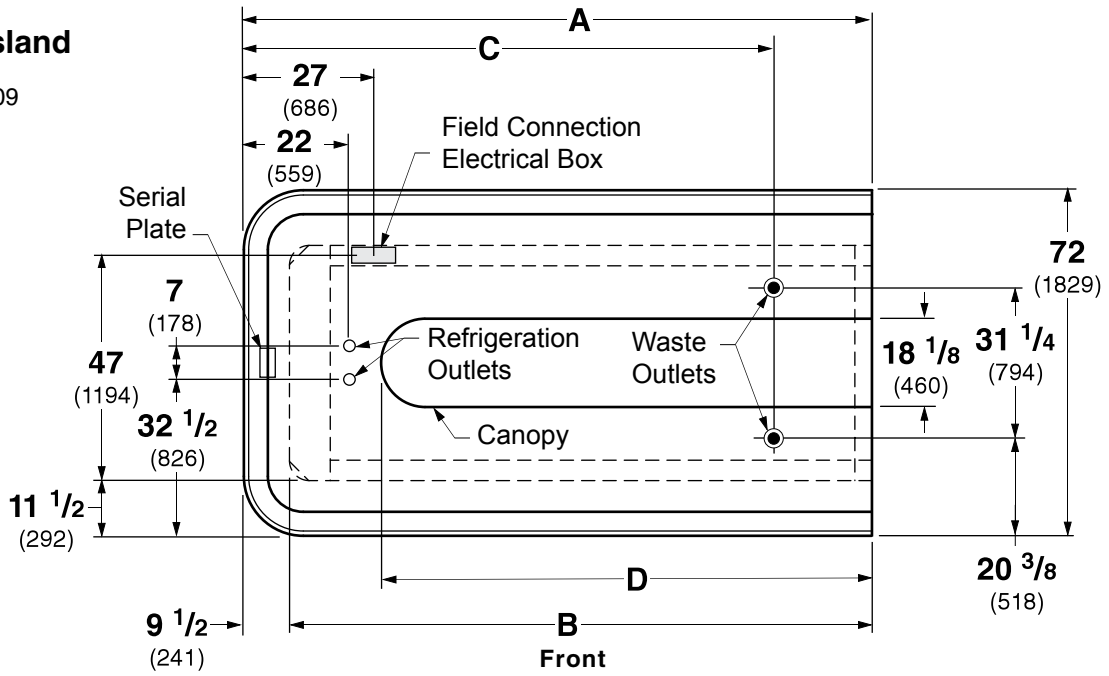
Plan Views

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

RI2E Island

08-2009



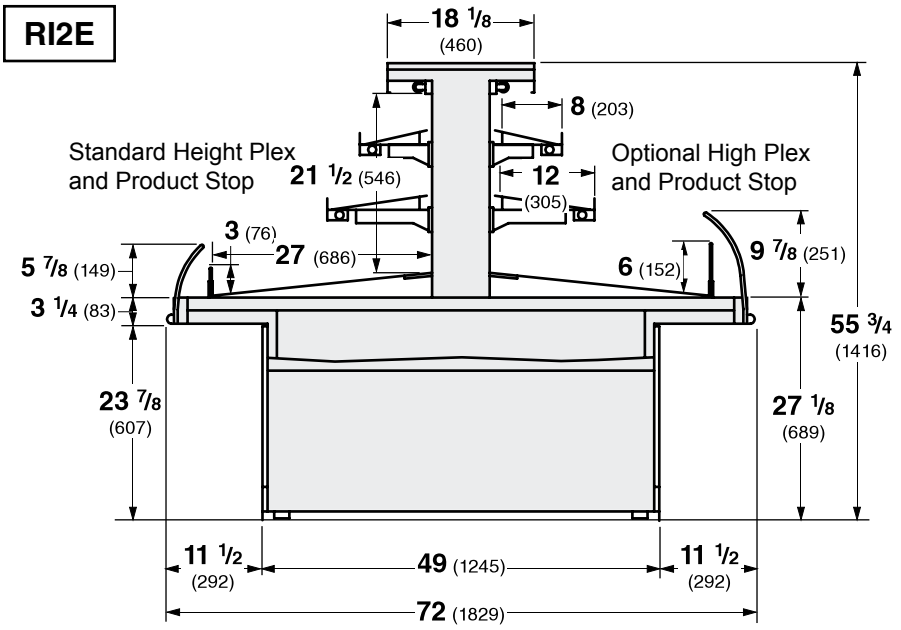
	10 ft
General	
(A) Overall Case Length	120 (3048)
(B) Base Length	110 1/2 (2807)
Maximum O/S dimension of case back to front *(includes bumper)*	72 (1829)
Front of splashguard to O/S edge of front base rail	1 5/8 (41)
Front of case to O/S edge of front base rail	13 1/8 (333)
Back of case to O/S edge of front base rail	58 7/8 (1495)
Width of base rail	1 7/8 (48)
(D) Length of Canopy	93 1/8 (2365)
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	96 (2438)
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)

RI2E
Delicatessen

DOE 2012 Energy Efficiency Compliant

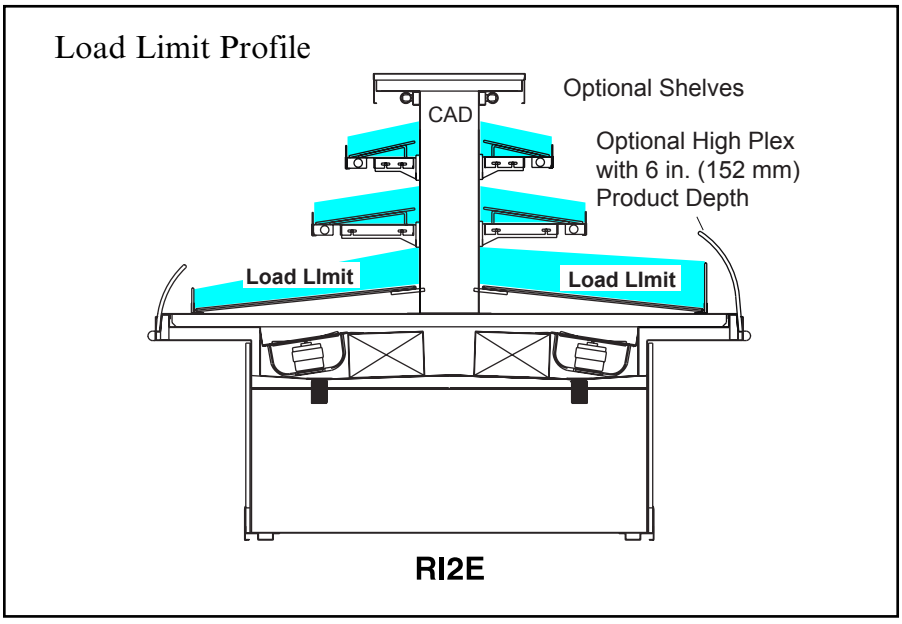
Hussmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2012 energy efficiency standards.

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.

	RI2E
Discharge Air (°F)	27
Evaporator (°F)	20
Unit Sizing (°F)	18

Btu/hr/ft

LIT & UNLIT SHELVES	RI2E
Parallel	1444
Conventional	1575

DEFROST DATA

RI2E	
Frequency (hr)	4
Defrost Water (lb/ft/day)___	10

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

OFFTIME	RI2E
Time Terminated (minutes)	20

ELECTRIC OR GAS Not Recommended

CONVENTIONAL CONTROLS

Low Pressure Backup Control

	RI2E
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 **			RI2E
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).

RI2E
Delicatessen

Electrical Data

			10 ft	
Number of Fans – 12W			**8**	
			Amperes	**Watts**
			10 ft	**10 ft**
Evaporator Fan				
120V	50/60Hz	Standard Energy Efficient	2.40	144
230V	50/60Hz	Standard Energy Efficient	NA	NA
230V	60Hz	Export	NA	NA
230V	50Hz	Export	NA	NA
Anti-sweat Heaters				
120V	60Hz	Standard	0.70	84
230V	50Hz	Export	NA	NA
Minimum Circuit Ampacity (MCA)				
120V	50/60Hz	Standard Energy Efficient	2.88	
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	0.95	114
Optional Lighting		
1 Row of Ledge	1.67	200
Shelf Lighting		
1 Row of Shelves	1.09	131
2 Rows of Shelves	2.18	262

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

Product Data

RI2E10

Recommended Usable Cube [1] (Cu Ft/Case)	42.69 ft^3 /case (1.21 m^3 /case)
AHRI Total Display Area [2] (Sq Ft/Case)	60.80 ft^2 /case (5.64 m^2 /case)
Shelf Area [3] (Sq Ft/Case)	83.30 ft^2 /case (7.74 m^2 /case)

[1] AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume / Unit of Length, ft^3/ft [m^3/m]

[2] Computed using AHRI 1200 standard methodology: Total Display Area, ft^2 [m^2] / 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 (1) row of 8-inch shelf, (1) row of 12-inch shelf.

ESTIMATED SHIPPING WEIGHT [4]

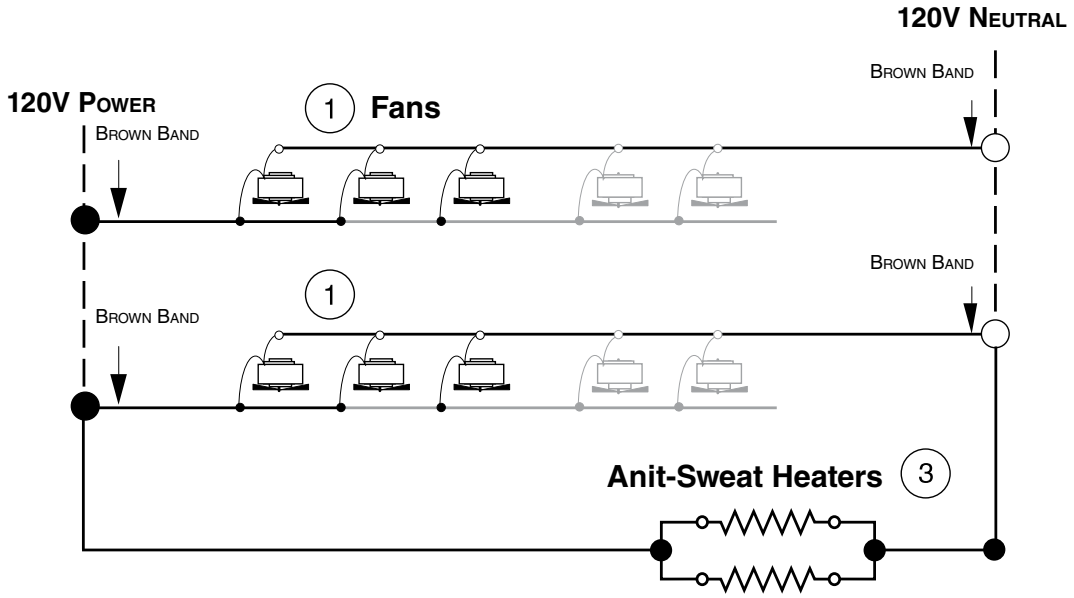
Case		
	10 ft	***End***
lb *(kg)*	1300 (590)	NA

[4] Actual weights will vary according to optional kits included.

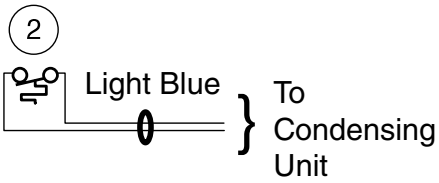
Fan Wiring
Offtime Defrost

8 Fans

10 ft – 8 Fans



Refrigeration Thermostat



WARNING

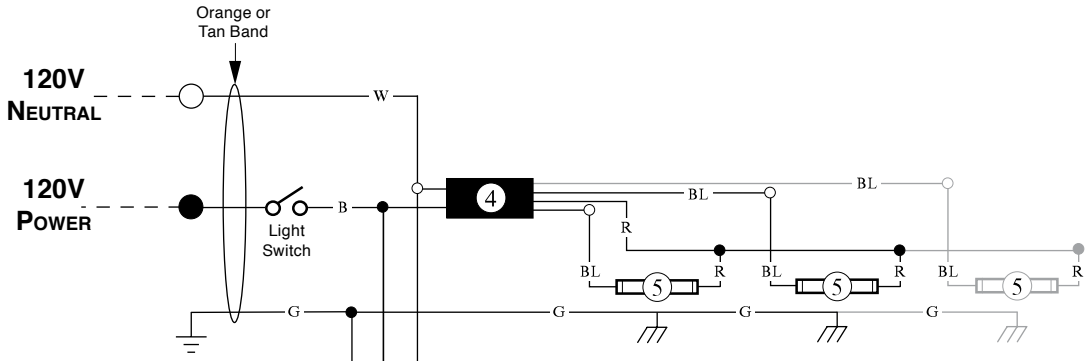
All components must have mechanical ground, and the merchandiser must be grounded.

Circled numbers = Parts list Item Numbers

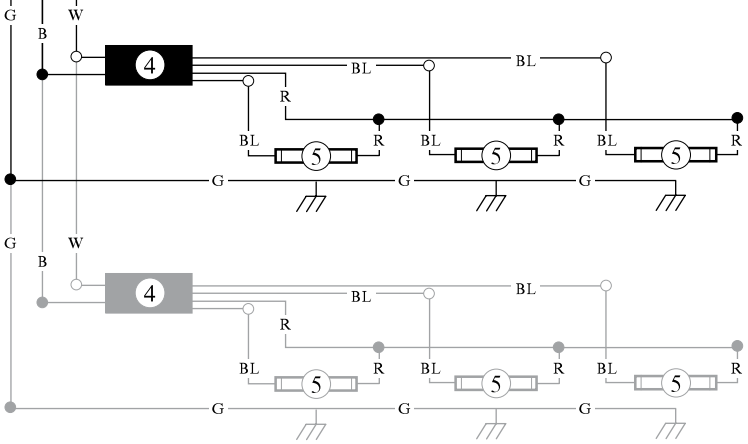
R = Red Y = Yellow G = Green BL = Blue BK = Black W = White

● = **120V Power** ○ = **120V Neutral** = **Field Ground** = **Case Ground**

Standard Lighting — 1 Row Canopy



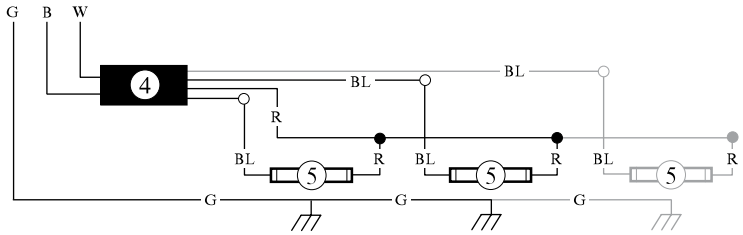
Lighted Shelf Wiring



Typical Shelf Ballast Wiring

Maximum lamps per balast 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**