

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			
A.	7W Standard	Fan Assembly	(1)	B.	0411744	Standard Non-adjustable Defrost Thermostat (CT.0411744)	(2)
	0058698	Fan Motor, Evaporator (MO.44101020)					
	0142780	Fan Blade (FB.0142780) embossing toward motor		C.	0353949	Optional Adjustable Refrigeration Thermostat (CT.4481087)	(3)
A.	7W Energy Efficient	Fan Assembly	(1)	LAMPS AND BALLASTS			
	0477654	Fan Motor, Evaporator (MO.4410545)		D.	Ballast, Electronic		(3)
	0142780	Fan Blade (FB.0142780) embossing toward motor			0466234	2 lamps (BA.4480823)	
A.	7W Export	Fan Assembly	(1)		0466235	3 lamps (BA.4480901)	
	0436516	Fan Motor, Evaporator (MO.4410106)			0466236	4 lamps (BA.4481095)	
	0142780	Fan Blade (FB.0142780) embossing toward motor		E.	Fluorescent Lamp		(5)
					<i>Replace with like fixtures</i>		

Note: Rev. B adds Aftermarket part numbers on page 1; Btu note on page 3; other changes are underlined.



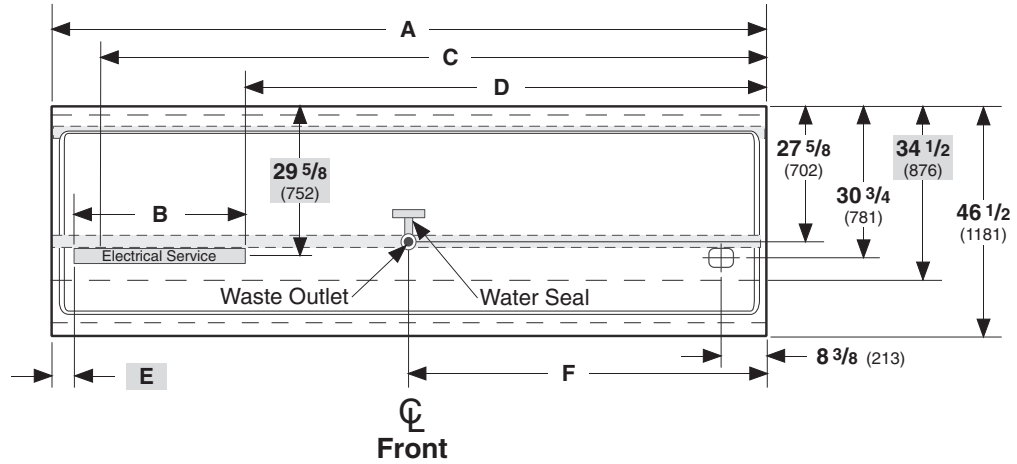
Engineering Plan Views

PHYSICAL DATA	
Merchandiser Drip Pipe (in.)	1 1/2
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	7/8

Dimensions shown as inches and (mm).

E2
Delicatessen
Precut & Packaged
Produce

09-2005



General	4 ft	6 ft	8 ft	12 ft
(A) Case Length (without ends or partitions)	48 1/8 (1222)	72 1/8 (1832)	96 1/4 (2445)	144 3/8 (3667)
<i>NOTE: Each end and insulated partition adds 1 inch to lineup.</i>				
Maximum O/S dimension back to front (with bumper)	46 1/2 (1181)	46 1/2 (1181)	46 1/2 (1181)	46 1/2 (1181)
Back of case to front of front panel	34 1/2 (876)	34 1/2 (876)	34 1/2 (876)	34 1/2 (876)
Back of case to O/S edge of front skid rail	29 3/8 (746)	29 3/8 (746)	29 3/8 (746)	29 3/8 (746)
Width of skid rail	4 1/2 (114)	4 1/2 (114)	4 1/2 (114)	4 1/2 (114)
RH end of case to outside edge of external support	1 3/8 (34)	1 3/8 (34)	1 3/8 (34)	1 3/8 (34)
Distance between edges of external support and center support	NA	28 1/2 (724)	40 1/2 (1029)	40 1/2 (1029)
Distance between edges of center supports	NA	NA	NA	44 (1118)
Stub-up area between front skid rail and front panel	5 3/4 (146)	5 3/4 (146)	5 3/4 (146)	5 3/4 (146)
Electrical Service (Electrical Field Wiring connection point)				
(B) Length of electrical raceway	18 3/8 (467)	18 3/8 (467)	37 (940)	37 (940)
(C) RH End of case to center of farthest knockout	36 5/8 (930)	60 3/4 (1543)	84 3/4 (2153)	132 3/4 (3372)
Back of case to center of end knockout	29 5/8 (752)	29 5/8 (752)	29 5/8 (752)	29 5/8 (752)
(D) RH End of case to RH end of raceway	27 5/8 (702)	51 5/8 (1311)	57 1/4 (1454)	105 1/8 (2670)
(E) LH End of case to LH end of raceway	2 1/8 (54)	2 1/8 (54)	2 (51)	2 1/4 (57)
Waste Outlet				
(F) RH End of case to the center of waste outlet	24 1/4 (616)	24 1/4 (616)	24 1/2 (622)	72 1/4 (1834)
LH End of case to the center of waste outlet	23 7/8 (606)	47 7/8 (1216)	71 3/4 (1822)	72 1/8 (1832)
Back O/S of case to center of waste outlet	27 5/8 (702)	27 5/8 (702)	27 5/8 (702)	27 5/8 (702)
Water Seal				
Edge of water seal to center of waste outlet	4 (102)	4 (102)	4 (102)	4 (102)
Outside diameter of the drip pipe	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)
<i>NOTE: Water seal outlet must clear front skid rail; water seal rotation in forward direction only due to low base.</i>				
Refrigeration Outlet				
Back of case to center of refrigeration outlet	30 3/4 (781)	30 3/4 (781)	30 3/4 (781)	30 3/4 (781)
RH end of case to center of refrigeration outlet	8 3/8 (213)	8 3/8 (213)	8 3/8 (213)	8 3/8 (213)

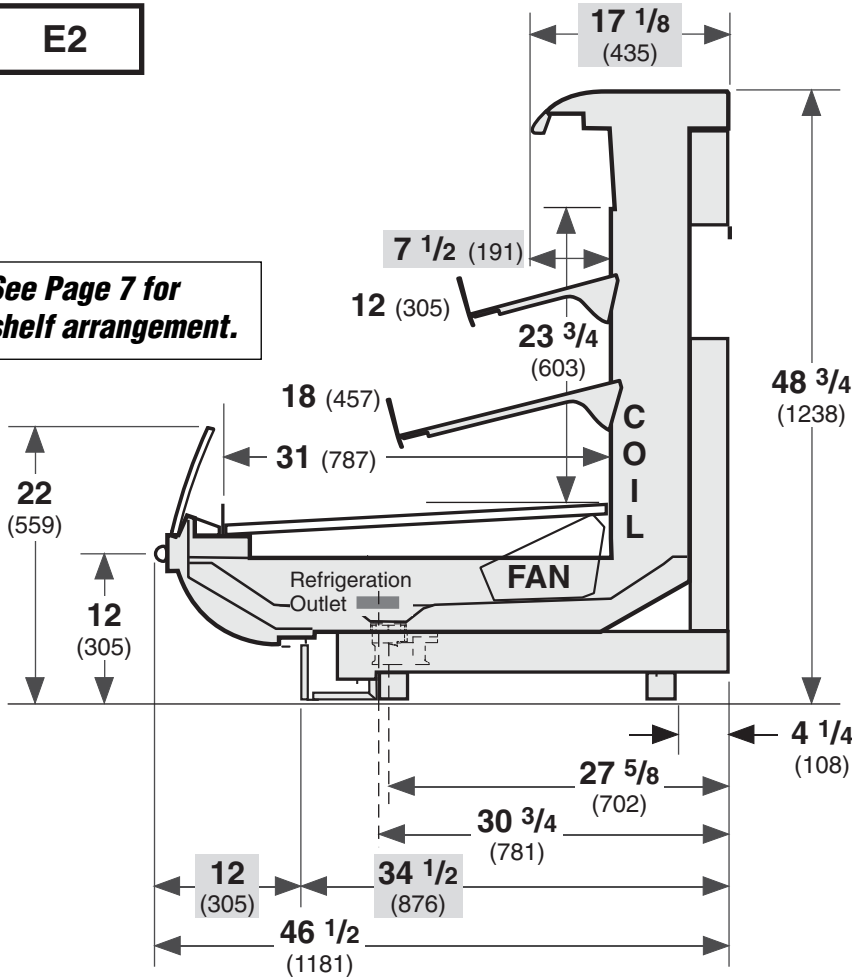
Elite Specialty Merchandiser Multi-deck, 2 Display Levels

Impact *Elite* E2
Delicatessen
Precut & Packaged Produce

Dimensions shown as in. & (mm).

E2

See Page 7 for shelf arrangement.



REFRIGERATION DATA

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

	E2	
	MEAT	DELI
Discharge Air (°F)	25	27
Evaporator (°F)	18	21
Unit Sizing (°F)	16	19
<i>Btu/hr/ft[‡]</i>		
Parallel	945	920
Conventional	1030	1000

[‡]Optional energy efficient motors reduce the refrigeration load by 21 Btu/hr/ft.

DEFROST DATA

Frequency (hr)	6
Defrost Water	8 lb/ft/day
<i>(± 15% based on case configuration and product loading.)</i>	

	E2
OFFTIME	48
Temp Term (°F)	40
Failsafe (minutes)	40

ELECTRIC OR GAS Not Recommended

Standard Defrost Thermostat

Close on rise: close 48°F – open 33°F

CONVENTIONAL CONTROLS

	Meat	Deli
Low Pressure Backup Control CI/CO*		
E2		
Temp (°F)	11 / 6	14 / 4

Indoor Unit Only, Pressure Defrost

Termination (Temp °F)* 48°F

*Use a Temperature Pressure Chart to determine PSIG conversions.

Estimated Charge (lb)**	E2
4 ft	0.9
6 ft	1.8
8 ft	1.9
12 ft	2.9

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

NSF Certification

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

Impact *Elite* E2

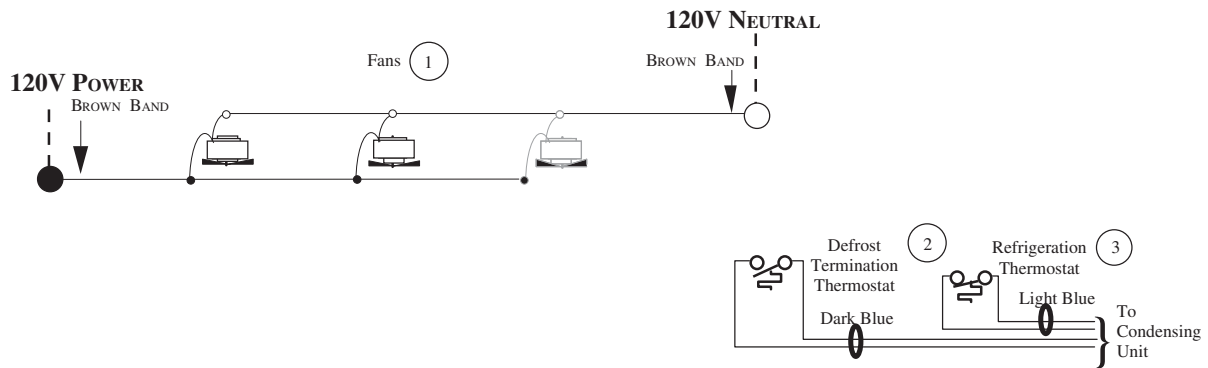
Delicatessen
Precut & Packaged Produce

Electrical Data

	4 ft	6 ft	8 ft	12 ft					
Number of Fans — 7W	1	2	2	3					
Number of Fans — 7W (Export) (Export: 230V 50 hz shown)	1	2	2	3					
		Amperes					Watts		
Merchandiser	4 ft	6 ft	8 ft	12 ft	4 ft	6 ft	8 ft	12 ft	
Fans									
Standard (120V 60Hz)	0.50	1.00	1.00	1.5	36	78	78	117	
Energy Efficient (120V 60 Hz)	0.26	0.52	0.52	0.78	18	36	36	54	
Export (230V 50Hz)	0.28	0.56	0.56	0.84	44	89	89	132	
Cycling Anti-sweat Heaters	NA								
Minimum Circuit Ampacity									
With Standard Fans (120V 60Hz)	0.70	1.20	1.20	1.70					
With Energy Efficient Fans (120V 60 Hz)	0.46	0.72	0.72	0.98					
With Export Fans (230V 50Hz)	0.48	0.76	0.76	1.04					
Maximum Over Current Protection	20	20	20	20					
Export (230V 50Hz)	15	15	15	15					
Electric Defrost Heaters (208V 1Ph)	NA								
Standard Lighting									
2 Rows Canopy	0.51	1.01	1.01	1.52	66	122	122	183	
Optional Lighting									
1 Row Rail Lights	0.51	0.51	0.51	0.76	62	62	62	96	
1 Row Ledge Lights	0.51	0.51	0.51	0.76	62	62	62	96	
Optional Shelf Lighting									
1 Row of Shelves	0.51	0.51	0.51	0.76	62	62	62	96	
2 Rows of Shelves	0.51	1.01	1.01	1.52	66	122	122	183	

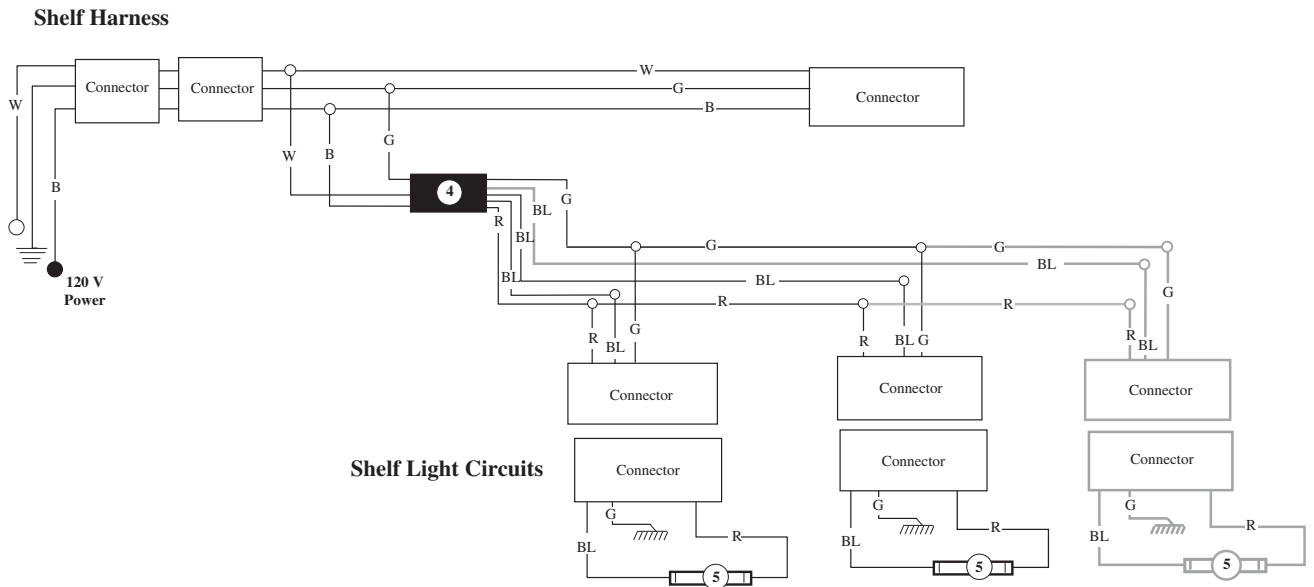
Fan Wiring Offtime Defrost

2 & 3 Fans



Optional Shelf Harness and Light Circuits for One Row of Shelves

Shelf Lighting



WARNING

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

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

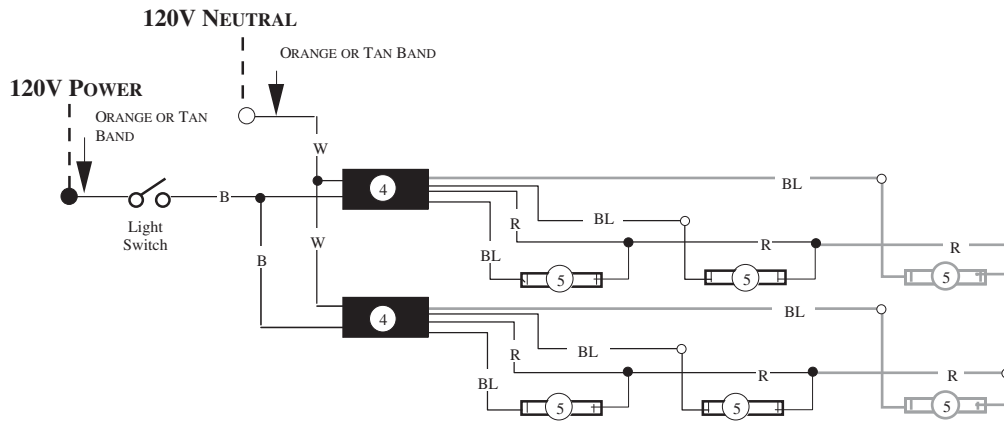
Grayed components in 12 foot models only.

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

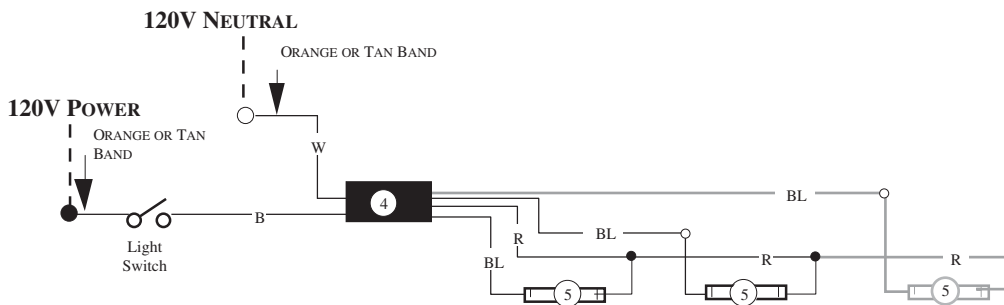
● = 120V POWER ○ = 120V NEUTRAL ≡ = Field GROUND ≡≡ = Case GROUND

Light Circuits

Standard Lighting 2 Rows Canopy



Optional Lighting: 1 Row Ledge or 1 Row Rail



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● = 120V POWER ○ = 120V NEUTRAL

SHELF CONFIGURATION

This merchandiser is designed for two shelves.

This illustration shows recommended shelf depth and shelf angle for the two locations.

It is critical to case performance that no product, shelf or stop extend beyond the load limit, as shown in this illustration. This configuration supports the air curtain and provides optimal case performance.

Check with Hussmann engineering before using a different configuration.

