

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				LAMPS AND BALLASTS			
A.	9W Fan Assembly		(1)	D.	Ballast, Electronic		
	0047000	Fan Motor, Evaporator (MO.4410103)			0428648	2 lamps (BA.4480823)	(4)
	0380485	Fan Blade (FB.0380485) embossing toward motor			0428649	3 lamps (BA.0428649)	
B.	0411744	Standard Non-adjustable Defrost Thermostat (CT.0411744)	(2)	E.	Fluorescent Lamp		(5)
					<i>Replace with like fixtures</i>		
C.	0137880	Optional Adjustable Refrigeration Thermostat (CT.4481084)	(3)				

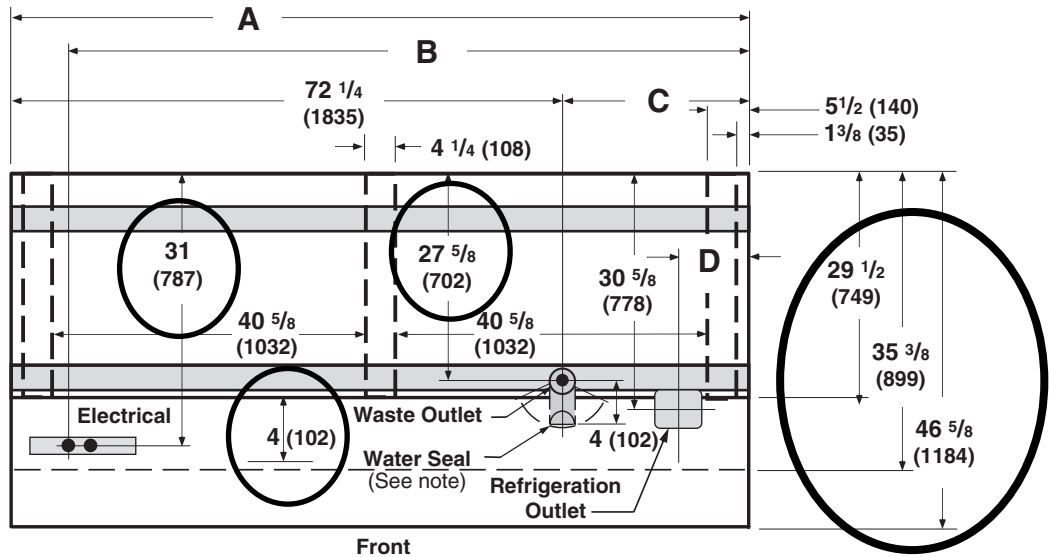
Note: Revision C updates measurements on Pages 2 and 3 and adds Aftermarket Part Numbers on Page 1.

Engineering Plan View

Dimensions shown as inches and (mm).

Meat/Dairy/Delicatessen
Pretcut & Packaged
Produce

01-2004



General

(A) Case Length (without ends or partitions)

- Maximum O/S dimension of case back to front (includes bumper)
- Back of case to front of splashguard
- Back of case to O/S edge of front skid rail
- Width of skid rail
- RH end of case to outside edge of external support
- Distance between edges of external support and center support
- Distance between edges of center supports
- Stub-up area between front skid rail and splashguard

Electrical Service (Electrical Field Wiring connection point)

- ### (B) RH End of case to center of farthest knockout
- Back of case to center of knockout
 - Length of electrical raceway

Waste Outlet

- ### (C) RH End of case to the center of waste outlet
- LH End of case to the center of waste outlet
 - Back O/S of case to center of waste outlet

Water Seal

- Edge of water seal to center of waste outlet
- Outside diameter of the drip pipe

NOTE: Water seal outlet must clear front skid rail;
water seal rotation in forward direction only due to low base.

Refrigeration Outlet

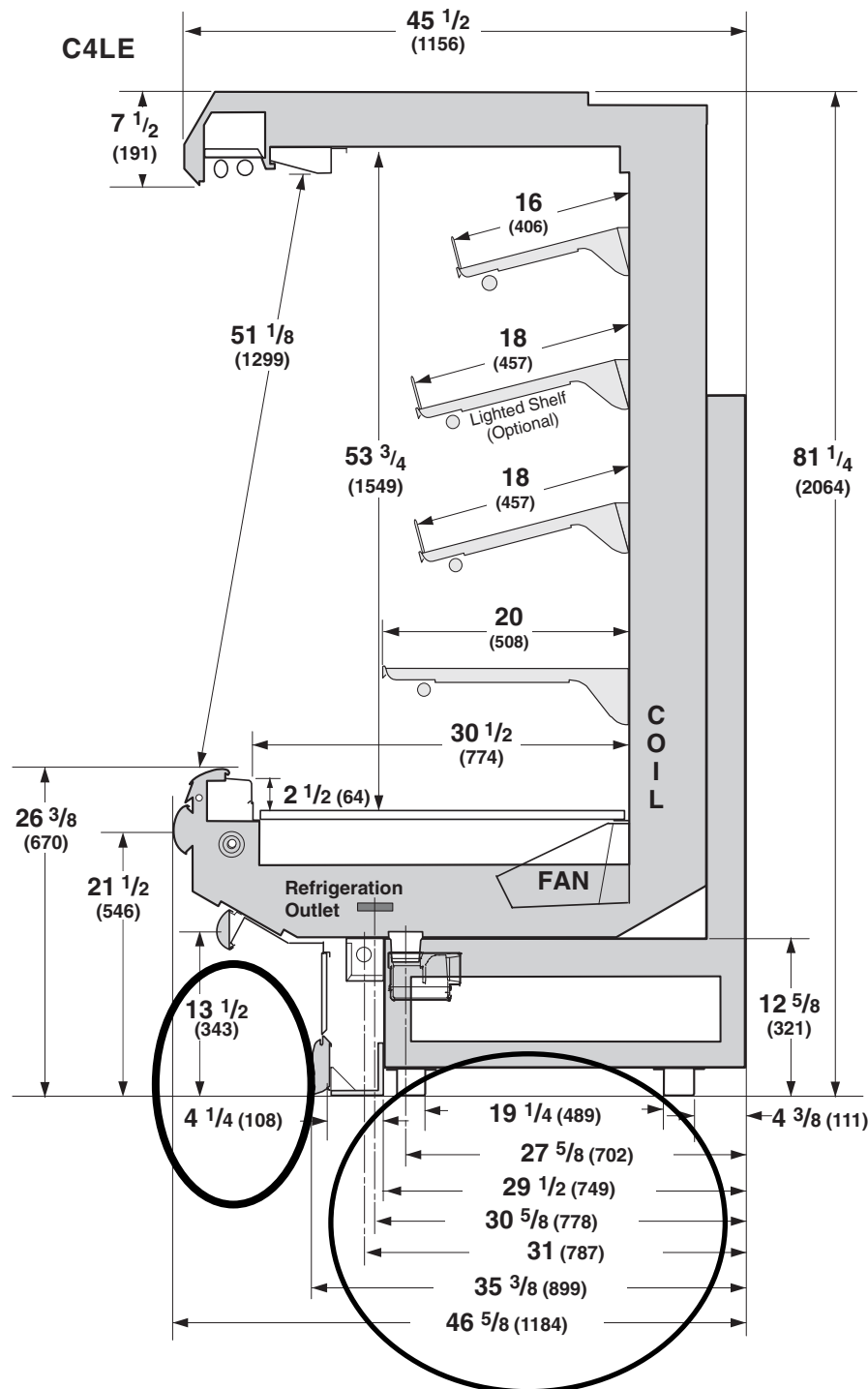
- Back of case to center of refrigeration outlet
- (D) RH end of case to center of refrigeration outlet

8 ft

12 ft

96 3/8 (2448)	144 1/2 (3670)
<u>46 5/8 (1184)</u>	<u>46 5/8 (1184)</u>
<u>35 3/8 (899)</u>	<u>35 3/8 (899)</u>
<u>29 1/2 (749)</u>	<u>29 1/2 (749)</u>
<u>2 3/8 (60)</u>	<u>2 3/8 (60)</u>
5 1/2 (140)	5 1/2 (140)
40 5/8 (1032)	40 5/8 (1032)
NA	44 (1118)
<u>4 1/4 (108)</u>	<u>4 1/4 (108)</u>
88 3/8 (2245)	136 1/2 (3467)
<u>31 (787)</u>	<u>31 (787)</u>
34 5/8 (878)	34 5/8 (878)
24 1/8 (613)	72 1/4 (1835)
72 1/4 (1835)	72 1/4 (1835)
<u>27 5/8 (702)</u>	<u>27 5/8 (702)</u>
4 (102)	4 (102)
1 1/2 (38)	1 1/2 (38)
30 5/8 (778)	30 5/8 (778)
9 (230)	9 (230)

Dimensions shown as inches and (mm).



NSF Certification

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

Impact C4LE
Meat/Delicatessen/Dairy
Precut & Packaged Produce

REFRIGERATION DATA

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

C4LE	Meat	Produce	Dairy
Discharge Air (°F)	29	31	31
Evaporator (°F)	21	24	24
Unit Sizing (°F)	19	22	22
<i>Btu/hr/ft</i>			C4LE
Parallel	1635	1600	1485
Conventional	1730	1700	1570

DEFROST DATA

	C4LE
Frequency (hr)	6
Defrost Water	8 lb/ft/day
(± 15% based on case configuration and product loading).	

OFFTIME	C4LE
Temp Term (°F)	48°
Failsafe (min)	30

ELECTRIC OR GAS Not Recommended

Standard Defrost Thermostat
Close on rise: close 48°F – open 33°F

CONVENTIONAL CONTROLS

Low Pressure Backup Control	C4LE		
C/CO (Temp °F)*	Meat	Produce	Dairy
Temp (°F)	14°/4°	17°/7°	17°/7°

Indoor Unit Only, Pressure Defrost Termination (Temp °F)* 48°

*Use a Temperature Pressure Chart to determine PSIG conversions.

PHYSICAL DATA

Drip Pipe (in.)	1 1/2
Liquid Line (in.)	3/8
Suction Line (in.)	7/8
Estimated Charge (lb)**	C4LE
8 ft	3.2
12 ft	4.5

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

Length Added to Lineup by Each End or Insulated Partition (in.) 1 1/2

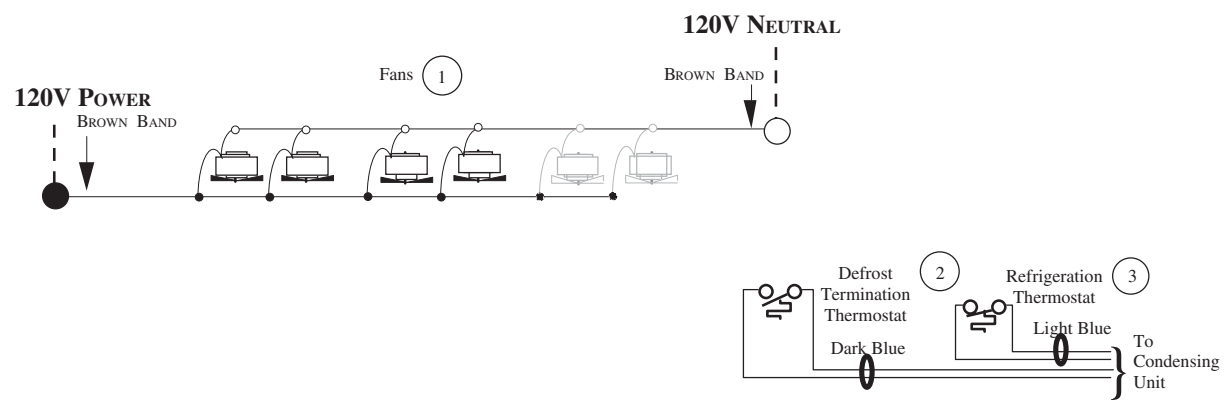
Impact C4LE Meat/Delicatessen/Dairy Precut & Packaged Produce
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Electrical Data

	8 Ft	12 Ft		
Number of Fans — 9W	4	6		
	Amperes		Watts	
Merchandiser	8 Ft	12 Ft	8 Ft	12 Ft
Fans				
120V 60Hz Standard	2.80	4.20	210	330
230V 50Hz Export	1.52	2.28	228	342
120V 60Hz Energy Efficient	1.52	2.28	100	150
Constant on Anti-sweat Heaters	NA			
Cycling Anti-sweat Heaters	NA			
Minimum Circuit Ampacity				
120V 60Hz With Standard Fans	3.00	4.40		
230V 50Hz Export	1.72	2.48		
120V 60Hz With Energy Efficient Fans	1.72	2.48		
Maximum Over Current Protection 120V	20	20		
Maximum Over Current Protection 230V	15	15		
Supplemental Gas Heaters	NA			
208V Electric Defrost	NA			
Standard Lighting				
1 Row Canopy	0.51	0.77	59	85
Optional Lighting				
1 Row of Canopy and 1 Row of Rail	1.02	1.54	118	170
2 Rows of Canopy	1.02	1.54	118	170
2 Rows of Canopy and 1 Row of Rail	1.53	2.31	177	255
1 Row of Ledge Lights	0.51	0.77	59	85
Optional Shelf Lighting				
1 Row of Shelves	0.51	0.77	59	85
2 Rows of Shelves	1.02	1.54	118	170
3 Rows of Shelves	1.53	2.31	177	255
4 Rows of Shelves	2.04	3.08	236	340

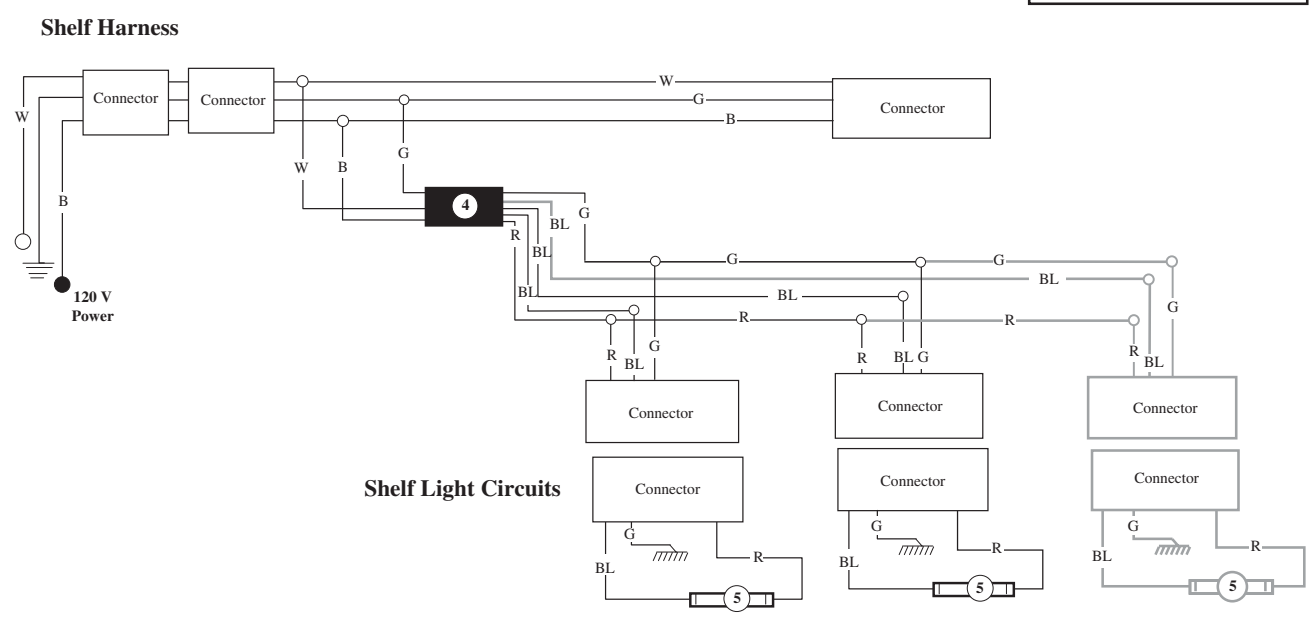
Fan Wiring Offtime Defrost

4 & 6 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

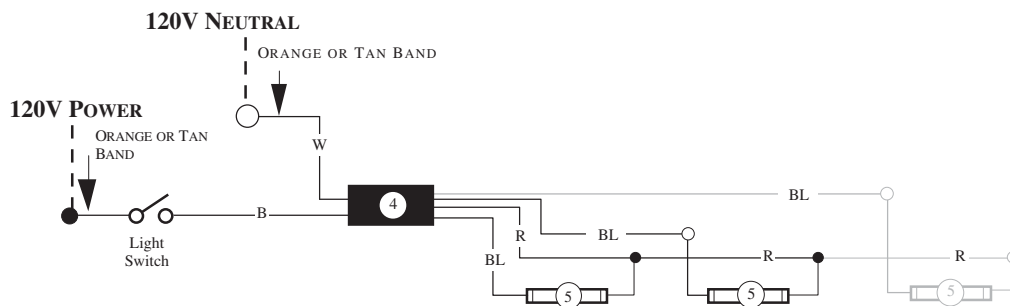
Grayed components in 12 foot models only.

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

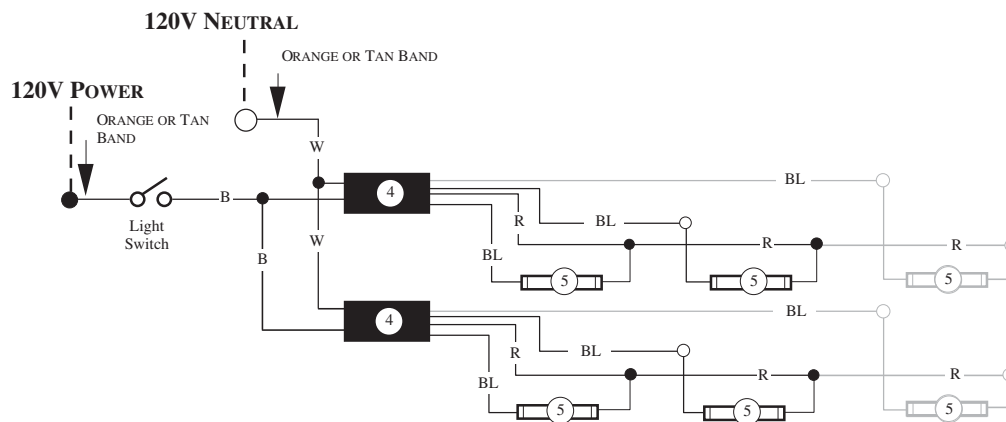
● = 120V POWER ○ = 120V NEUTRAL ≡ = Field GROUND ≡≡ = Case GROUND

Light Circuits

Standard Lighting 1 Row Canopy or Optional 1 Row Rail



Optional Lighting 2 Rows Canopy



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