

Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
<b>FAN ASSEMBLIES AND THERMOSTATS</b>				<b>LAMPS AND BALLASTS</b>			
A.	<b>9W Fan Assembly</b>		(1)	D.	<u>0428648</u>	Ballast, Electronic <b>2 lamps</b>	(4)
	0047000	Fan Motor, Evaporator		D.	<u>0428649</u>	Ballast, Electronic <b>3 lamps</b>	(4)
	0380485	Fan Blade embossing toward motor		E.		Fluorescent Lamp <i>Replace with like fixtures</i>	(5)
B.	0411744	Standard Non-adjustable Defrost Thermostat	(2)				
C.	0137880	Optional Adjustable Refrigeration Thermostat	(3)				

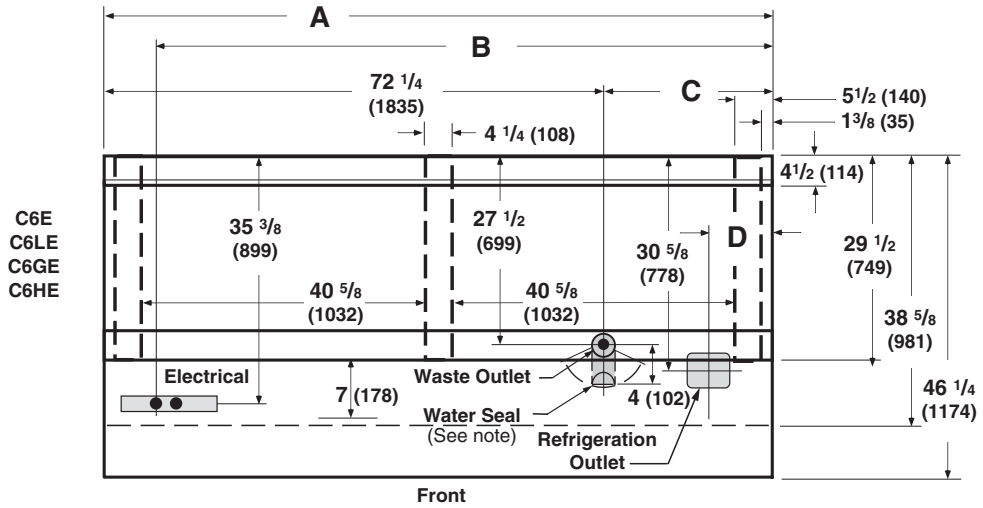
**Note: Changed items have been underlined.**

# Engineering Plan Views

Dimensions shown as inches and (mm).

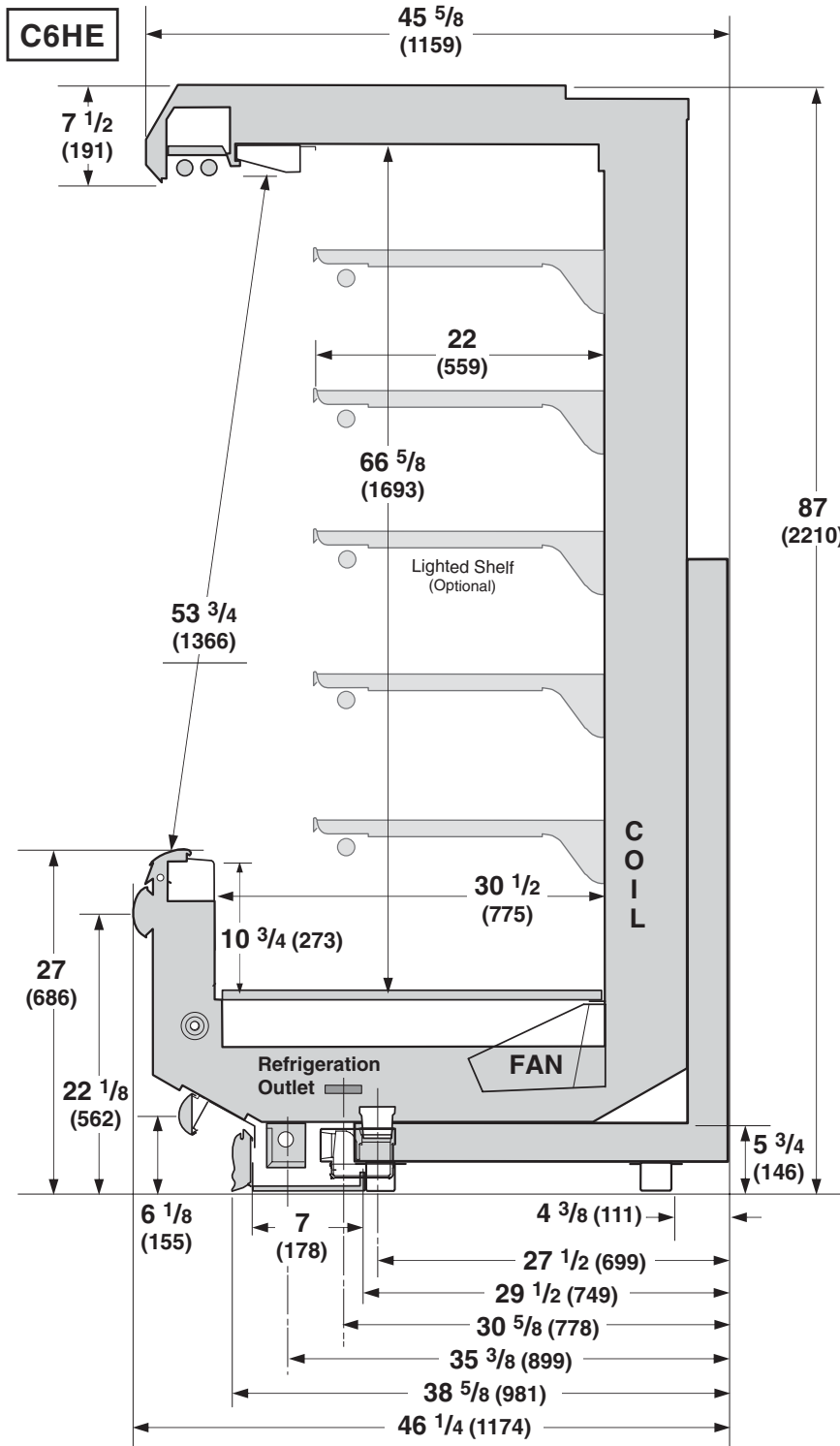
## Meat/Dairy/Delicatessen Precut & Packaged Produce

01-2004



	8 ft	12 ft
<b>General</b>		
<b>(A)</b> Case Length <i>(without ends or partitions)</i>	96 <sup>3</sup> / <sub>8</sub> (2448)	144 <sup>1</sup> / <sub>2</sub> (3670)
Maximum O/S dimension of case back to front <i>(includes bumper)</i>	46 <sup>1</sup> / <sub>4</sub> (1174)	46 <sup>1</sup> / <sub>4</sub> (1174)
Back of case to front of splashguard	38 <sup>5</sup> / <sub>8</sub> (981)	38 <sup>5</sup> / <sub>8</sub> (981)
Back of case to O/S edge of front skid rail	29 <sup>1</sup> / <sub>2</sub> (749)	29 <sup>1</sup> / <sub>2</sub> (749)
Width of skid rail	4 <sup>1</sup> / <sub>2</sub> (114)	4 <sup>1</sup> / <sub>2</sub> (114)
RH end of case to outside edge of external support	5 <sup>1</sup> / <sub>2</sub> (140)	5 <sup>1</sup> / <sub>2</sub> (140)
Distance between edges of external support and center support	40 <sup>5</sup> / <sub>8</sub> (1032)	40 <sup>5</sup> / <sub>8</sub> (1032)
Distance between edges of center supports	NA	44 (1118)
Stub-up area between front skid rail and splashguard	7 (178)	7 (178)
<b>Electrical Service</b> <i>(Electrical Field Wiring connection point)</i>		
<b>(B)</b> RH End of case to center of farthest knockout	88 <sup>3</sup> / <sub>8</sub> (2245)	136 <sup>1</sup> / <sub>2</sub> (3467)
Back of case to center of knockout	35 <sup>3</sup> / <sub>8</sub> (899)	35 <sup>3</sup> / <sub>8</sub> (899)
<u>Length of electrical raceway</u>	34 <sup>5</sup> / <sub>8</sub> (878)	34 <sup>5</sup> / <sub>8</sub> (878)
<b>Waste Outlet</b>		
<b>(C)</b> RH End of case to the center of waste outlet	24 <sup>1</sup> / <sub>8</sub> (613)	72 <sup>1</sup> / <sub>4</sub> (1835)
LH End of case to the center of waste outlet	72 <sup>1</sup> / <sub>4</sub> (1835)	72 <sup>1</sup> / <sub>4</sub> (1835)
Back O/S of case to center of waste outlet	27 <sup>1</sup> / <sub>2</sub> (699)	27 <sup>1</sup> / <sub>2</sub> (699)
<b>Water Seal</b>		
Edge of water seal to center of waste outlet	4 (102)	4 (102)
Outside diameter of the drip pipe	1 <sup>1</sup> / <sub>2</sub> (38)	1 <sup>1</sup> / <sub>2</sub> (38)
<i>NOTE: Water seal outlet must clear front skid rail; water seal rotation in forward direction only due to low base.</i>		
<b>Refrigeration Outlet</b>		
Back of case to center of refrigeration outlet	30 <sup>5</sup> / <sub>8</sub> (778)	30 <sup>5</sup> / <sub>8</sub> (778)
<b>(D)</b> RH end of case to center of refrigeration outlet	9 (230)	9 (230)

Dimensions shown as in. & (mm).



**Impact C6HE**  
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.

	C6HE		
	Meat	Produce	Dairy
Discharge Air (°F)	29	29	31
Evaporator (°F)	21	21	24
Unit Sizing (°F)	19	19	22
<i>Btu/hr/ft*</i>	C6HE		
Parallel	1925	1925	1830
Conventional	2040	2040	1940

\*For all refrigeration equipment other than Hussmann, use conventional Btu values.

**DEFROST DATA**

	C6HE
Frequency (hr)	4
Defrost Water	10.5 lb/ft/day
(± 15% based on case configuration and product loading).	
<i>OFFTIME</i>	C6HE
Temp Term (°F)	48
Failsafe (minutes)	30

*ELECTRIC OR GAS* Not Recommended

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

**CONVENTIONAL CONTROLS**

	C6HE		
	Meat	Produce	Dairy
Low Pressure Backup Control	C6HE		
CI/CO**	C6HE		
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)***	C6HE
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 (in.) Added to Lineup by Each End or Insulated Partition** 1 1/2

**NSF Certification**

These merchandisers are manufactured to meet ANSI /National Sanitation Foundation (NSF®) Standard #7 requirements.

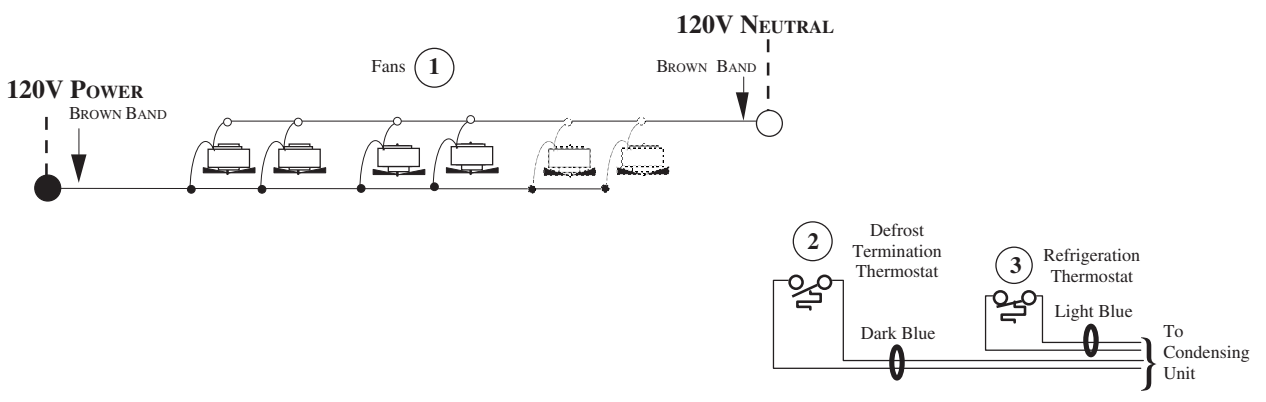
<b>Impact C6HE</b> <b>Meat/Delicatessen/Dairy</b> <b>Precut &amp; Packaged Produce</b>
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## Electrical Data

	8 ft	12 ft		
<b>Number of Fans — 9W</b>	<b>4</b>	<b>6</b>		
<b>Number of Fans — 9W (Export)</b>	<b>4</b>	<b>6</b>		
(Export: 230V 50 hz shown)				
	<b>Amperes</b>		<b>Watts</b>	
<b>Merchandiser</b>	<b>8 ft</b>	<b>12 ft</b>	<b>8 ft</b>	<b>12 ft</b>
<b>Fans</b>				
Standard (120V 60Hz)	2.80	4.20	<u>210</u>	<u>320</u>
Energy Efficient (120V 60Hz)	<u>1.52</u>	<u>2.28</u>	<u>100</u>	<u>150</u>
Export (230V 50Hz)	<u>1.52</u>	<u>2.28</u>	<u>228</u>	342
<b>Cycling Anti-sweat Heaters</b>	NA			
<b>Minimu Circuit Ampacity</b>				
With Standard Fans (120V 60Hz)	3.00	4.40		
With Energy Efficient Fans (120V 60Hz)	<u>1.72</u>	<u>2.48</u>		
With Export Fans (230V 50Hz)	<u>1.72</u>	<u>2.48</u>		
<b>Maximum Over Current Protection</b>	20	20		
Export (230V 50Hz)	<b>15</b>	<b>15</b>		
<b>Electric Defrost Heaters (208V 1Φ)</b>	NA			
<b>Standard Lighting</b>				
1 Row Canopy	0.51	0.77	59	85
<b>Optional Lighting</b>				
1 Row Canopy and 1 Row Rail	1.02	1.54	118	170
2 Rows Canopy	1.02	1.54	118	170
2 Rows Canopy and 1 Row Rail	1.53	2.31	177	255
1 Row Ledge Lights	0.51	0.77	59	85
<b>Optional Shelf Lighting</b>				
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
5 Rows of Shelves	2.55	3.85	295	425

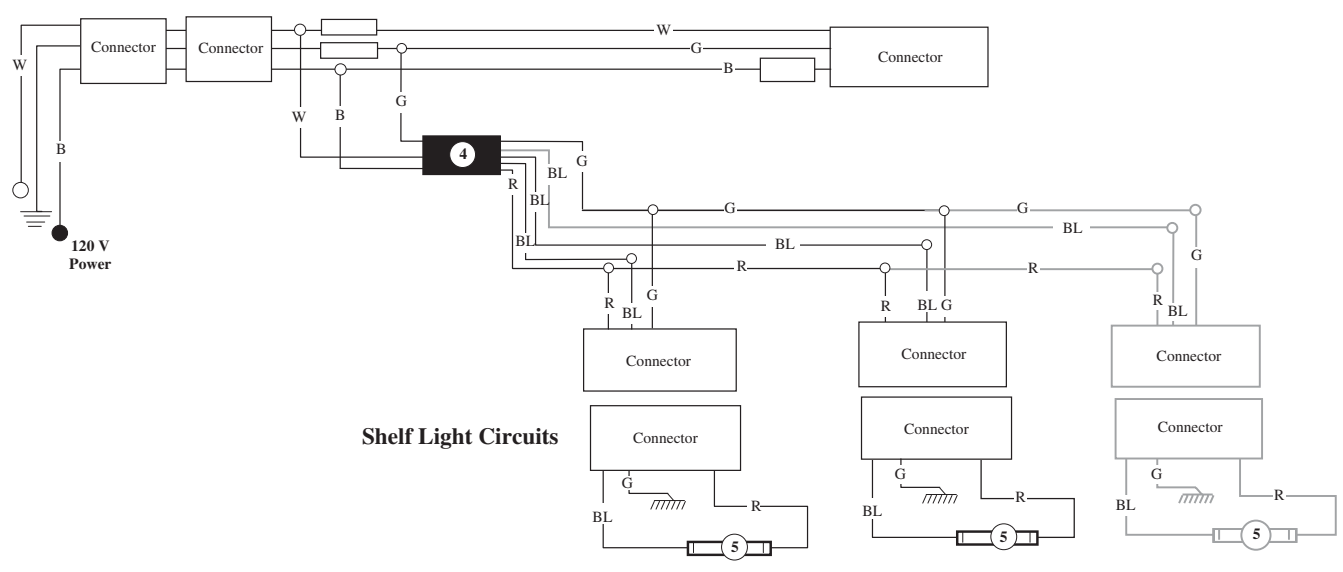
# Fan Wiring Offtime Defrost

## 4 & 6 Fans



# Optional Shelf Harness and Light Circuits for One Row of Shelves

### Shelf Harness



## WARNING

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

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

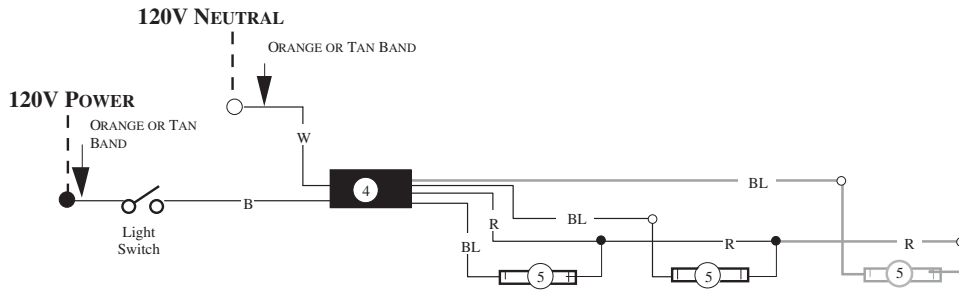
Grayed components in 12 foot models only.

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

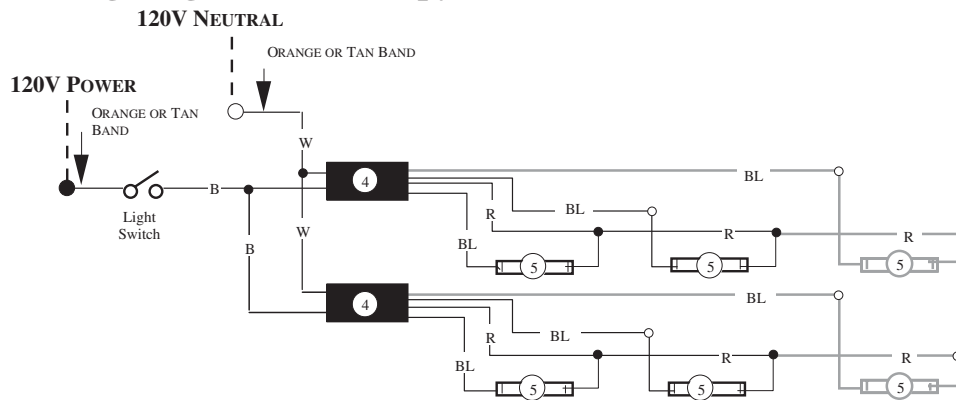
● = 120V POWER    ○ = 120V NEUTRAL    ≡ = FIELD GROUND    ≡≡ = CASE GROUND

# Light Circuits

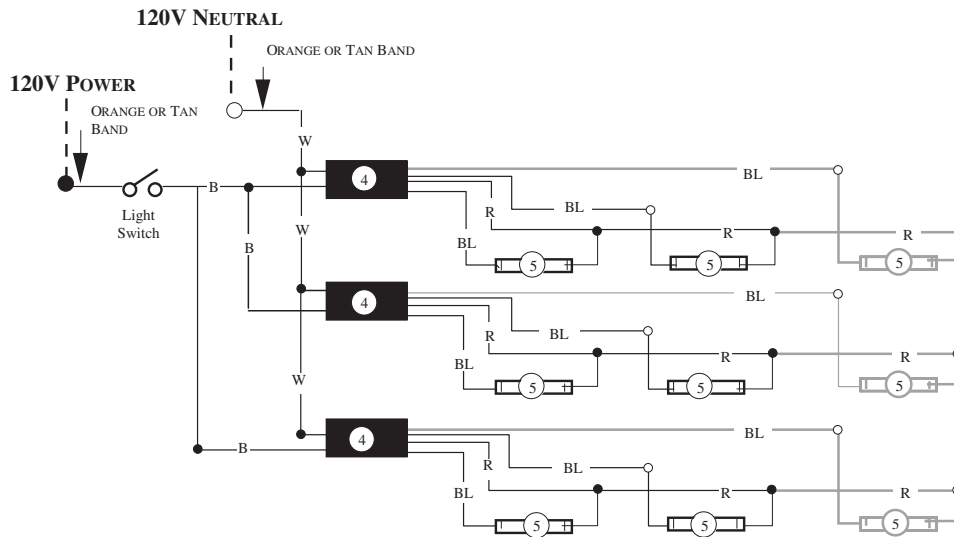
## Standard Lighting 1 Row Canopy or Optional 1 Row Rail



## Optional Lighting 2 Rows Canopy



## Optional Lighting 3 Row Canopy



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