

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 #
<b>FAN ASSEMBLIES AND THERMOSTATS</b>				<b>RELAYS</b>			
A.	9W Fan Assembly		(1)	D.	0123592	Relay, DPDT 208V coil (RL.4440495)	(4)
	0440420	Fan Motor (MO.4410302)			0253603	Optional Gas Defrost Relay, DPDT 120V coil (RL.4440267)	(4)
	0376413	Fan Blade embossing toward motor (FB.0376413)		<b>HEATERS</b>			
B.	Optional Adjustable Refrigeration Thermostat		(2)	E.	0487482	Modular Electric Defrost Heater, 208V, 685W (HE.4481533)	(5)
C.	0398557	Defrost Termination Thermostat (CT.4440611)	(3)		0495023	6 Ft Modular Electric Defrost Heater, 208V, 685W (HE.4850742)	
				F.	Rear Rail Heaters		(6)
					0415540	4 foot case (HE.4850482)	
					0494977	6 foot case (HE.4850716)	
					0494983	8 foot case (HE.4850719)	
					0494984	12 foot case (HE.4850720)	

**Note:** Revision B revised wiring diagrams, pages 6 & 7; other changes have a bar in the margin.



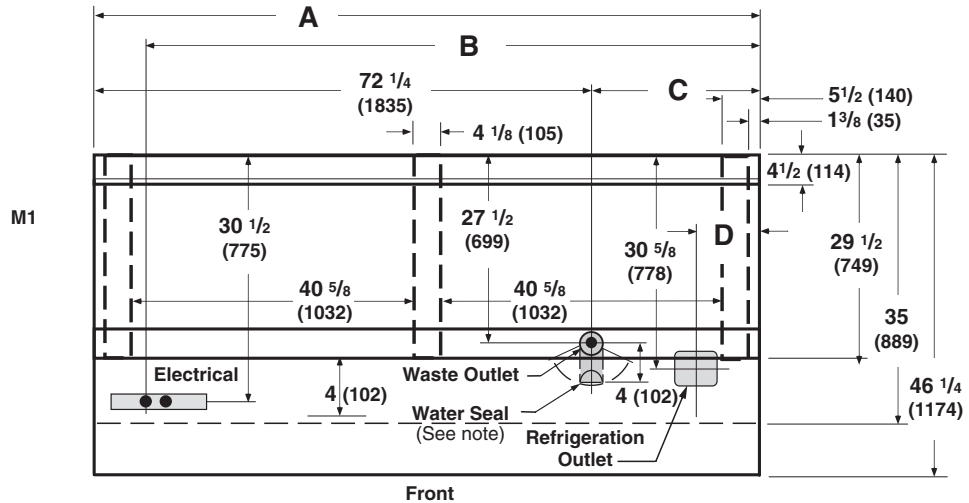
# Engineering Plan View





Dimensions shown as inches and (mm).

## PHYSICAL DATA

Merchandiser Drip Pipe (in.)	1 1/4
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	5/8

Meat and Produce



General	4 ft	6 ft	8 ft	12 ft
<b>(A)</b> Case Length ( <i>without ends or partitions</i> )	48 1/4 (1226)	72 3/8 (1838)	96 3/8 (2448)	144 1/2 (3670)
Maximum O/S dimension back to front ( <i>with bumper</i> )	46 1/4 (1174)	46 1/4 (1174)	46 1/4 (1174)	46 1/4 (1174)
Back of case to front of front splashguard	35 (889)	35 (889)	35 (889)	35 (889)
Back of case to O/S edge of front skid rail	29 1/2 (749)	29 1/2 (749)	29 1/2 (749)	29 1/2 (749)
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	5 1/2 (140)	5 1/2 (140)	5 1/2 (140)	5 1/2 (140)
Distance between inside edges of external support and center support	NA	28 5/8 (727)	40 5/8 (1032)	40 5/8 (1032)
Width of external support	4 1/8 (105)	4 1/8 (105)	4 1/8 (105)	4 1/8 (105)
RH Edge of case (excluding end) to inside edge of external support	1 3/8 (35)	1 3/8 (35)	1 3/8 (35)	1 3/8 (35)
Stub-up area between front skid rail and splashguard	4 (102)	4 (102)	4 (102)	4 (102)
<b>Electrical Service</b>  ( <i>Electrical Field Wiring connection point</i> )				
<b>(B)</b> RH End of case to center of farthest knockout	40 1/4 (1022)	64 3/8 (1635)	88 3/8 (2245)	136 1/2 (3467)
Back O/S of case to center of knockout	30 1/2 (775)	30 1/2 (775)	30 1/2 (775)	30 1/2 (775)
<b>Waste Outlet</b> 				
<b>(C)</b> RH End of case to the center of waste outlet	24 1/8 (613)	24 1/8 (613)	24 1/8 (613)	72 1/4 (1835)
LH End of case to the center of waste outlet	24 1/8 (613)	48 1/4 (1226)	72 1/4 (1835)	72 1/4 (1835)
Back O/S of case to center of waste outlet	27 1/2 (699)	27 1/2 (699)	27 1/2 (699)	27 1/2 (699)
<b>Water Seal</b> 				
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>				
<b>Refrigeration Outlet</b> 				
Back of case to center of refrigeration outlet	30 5/8 (778)	30 5/8 (778)	30 5/8 (778)	30 5/8 (778)
<b>(D)</b> RH end of case to center of refrigeration outlet	9 (230)	9 (230)	9 (230)	9 (230)

Single Deck, 1 Display Level, and Front Glass

**Impact M1LGE**  
**Frozen Meat/Delicatessen**

**REFRIGERATION DATA**

	<b>M1LGE</b>
Discharge Air °F	-10
Evaporator °F	-20
Unit Sizing °F	-23

<i>BTU/HR/FOOT</i>	<b>M1LGE</b>
Parallel	530
Conventional	550

**DEFROST DATA**

Frequency Hrs	6
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*ELECTRIC W/REVERSE AIR*

Temp Term °F	48
Failsafe Min	40

*GAS W/REVERSE AIR*

Duration Min.	15
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*OFFTIME*

Not Recommended

**CONVENTIONAL CONTROLS**

Low Pressure Backup Control

	<b>M1LGE</b>
CI/CO*	-27°F / -37°F

Indoor Unit Only, Pressure Defrost Termination\*

Not Recommended

\*Use a Temperature Pressure Chart to determine PSIG conversions.

**PHYSICAL DATA**

Estimated Charge (lbs)\*\*

	<b>M1LGE</b>
4 Ft	0.9
6 Ft	1.3
8 Ft	1.7
12 Ft	2.3

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

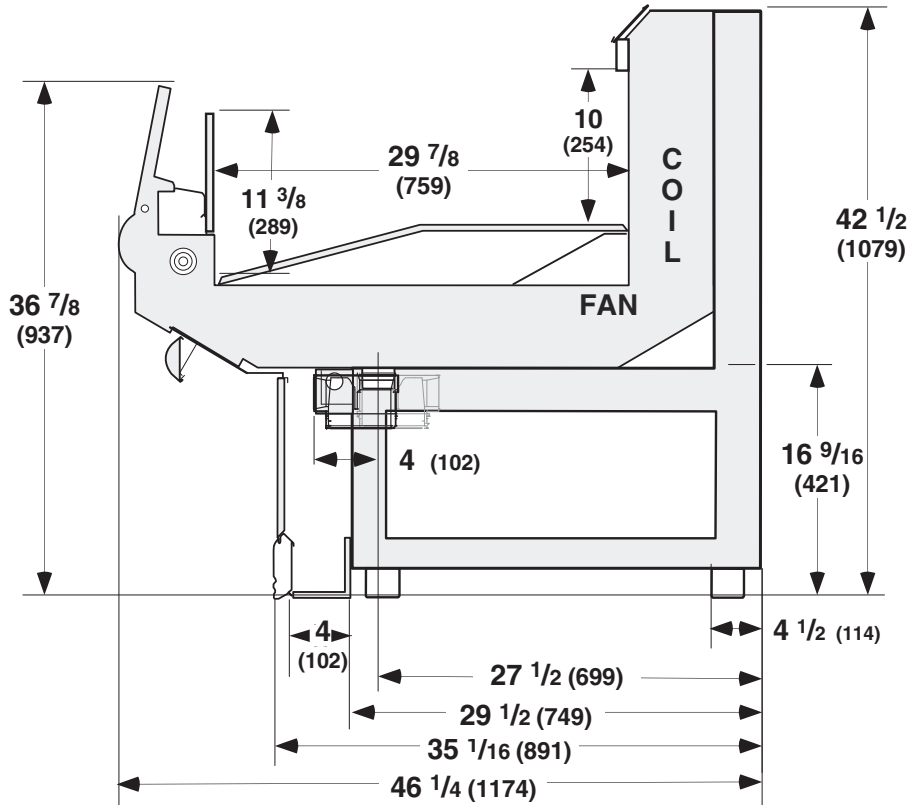
Length Added to Lineup by

Each End (in.)	1 1/2
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Each Insulated

Partition (in.)	1 1/2
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**M1LGE**



**NSF Certification**

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

<b>Impact M1LGE</b> <b>Frozen Meat/Delicatessen</b>
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### Electrical Data

<b>Number of Fans</b>	<b>4 ft</b>	<b>6 ft</b>	<b>8 ft</b>	<b>12 ft</b>
<b>Refrigeration – 9W</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>3</b>

<b>Merchandiser</b>	<b>Amperes</b>				<b>Watts</b>			
	<b>4 ft</b>	<b>6 ft</b>	<b>8 ft</b>	<b>12 ft</b>	<b>4 ft</b>	<b>6 ft</b>	<b>8 ft</b>	<b>12 ft</b>
<b>Fans (Refrigeration)</b>								
120V 60Hz Standard	NA							
120V 60Hz Energy Efficient	NA							
120V 60Hz Reverse Air	<u>0.24</u>	<u>0.48</u>	<u>0.48</u>	<u>0.72</u>	<u>25</u>	<u>50</u>	<u>50</u>	<u>75</u>
<b>Constant On Anti-sweat Heaters</b>	0.40	0.60	<u>0.75</u>	1.00	48	72	<u>90</u>	120

**Cycling Anti-sweat Heaters** NA

#### Minimum Circuit Ampacity

120V 60Hz Standard	NA			
120V 60Hz Energy Efficient	NA			
120V 60Hz Reverse Air	<u>0.84</u>	<u>1.28</u>	<u>1.43</u>	<u>1.92</u>

<b>Maximum Over Current Protection 120V</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>
Maximum Over Current Protection 230V	15	15	15	<b>15</b>

Supplemental Gas Heaters NA

<b>208V Electric Defrost Heaters</b>	3.29	4.76	6.60	9.90	685	990	1370	2055
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**120V Supplemental Rev. Air** NA

#### Standard Lighting

None

#### Optional Lighting

None

#### Optional Shelf Lighting

None

**Product Data**

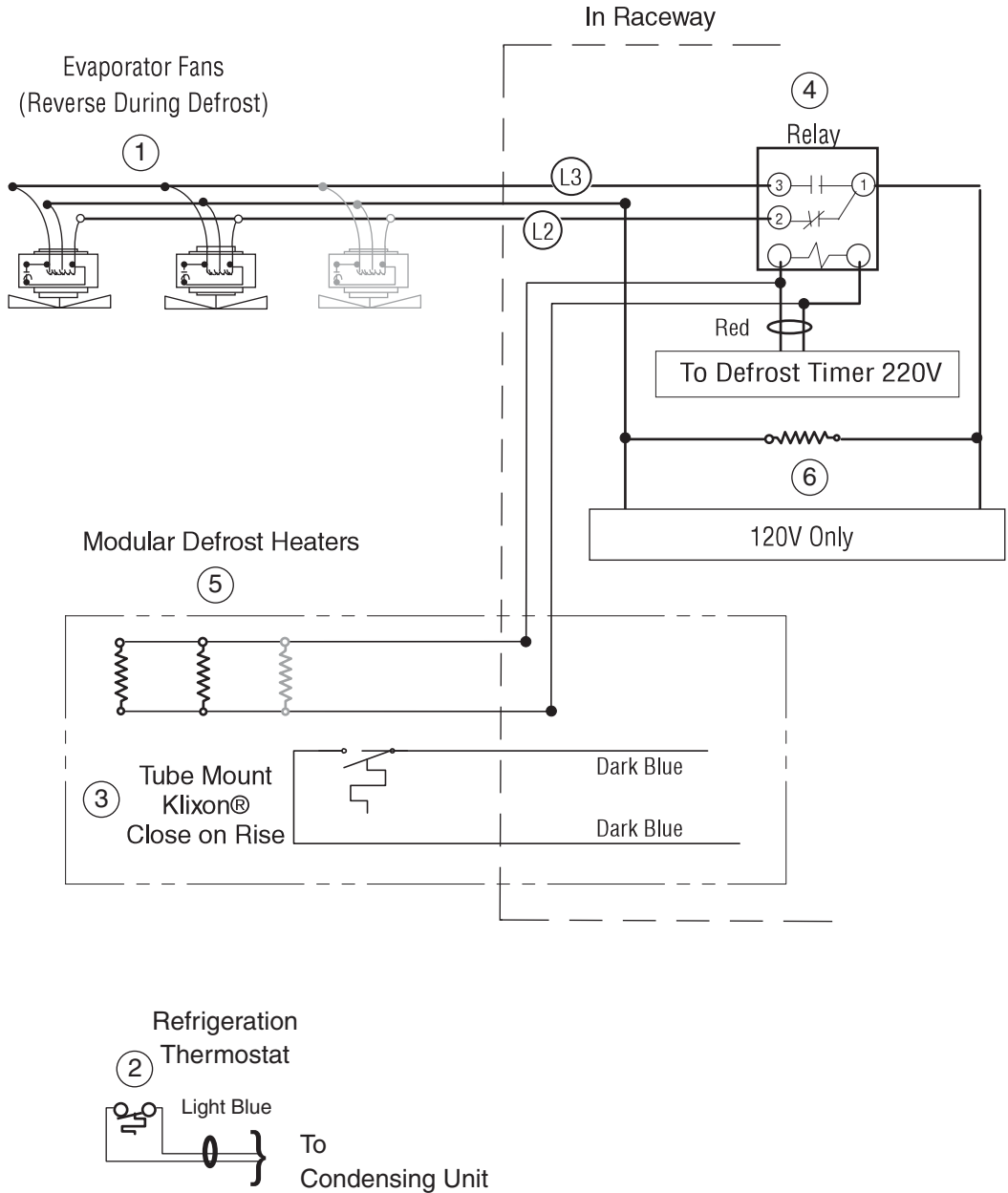
<i>Recommended Usable Cube</i> <sup>1</sup> (Cu Ft/Ft)	1.20 ft <sup>3</sup> /ft (0.11 m <sup>3</sup> /m)
<i>ARI Total Display Area</i> <sup>2</sup> (Sq Ft/Ft)	2.81 ft <sup>2</sup> /ft (0.86 m <sup>2</sup> /m)
<i>Shelf Area</i> <sup>3</sup> (Sq Ft/Ft)	2.50 ft <sup>2</sup> /ft (0.76 m <sup>2</sup> /m)

- <sup>1</sup> ARI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume/Unit of Length, ft<sup>3</sup>/ft [m<sup>3</sup>/m]  
<sup>2</sup> Computed using ARI 1200 standard methodology: Total Display Area, ft<sup>2</sup> [m<sup>2</sup>]/Unit of Length, ft [m]  
<sup>3</sup> 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 *NONE*.

<b>ESTIMATED SHIPPING WEIGHT <sup>4</sup></b>					
<b>Case</b>	<i>4 ft</i>	<i>6 ft</i>	<i>8 ft</i>	<i>12 ft</i>	<b>Solid End</b>
					<i>(each)</i>
<b>lb (kg)</b>	500 (227)	700 (318)	900 (408)	1000 (454)	75 (34)

<sup>4</sup> Actual weights will vary according to optional kits included.

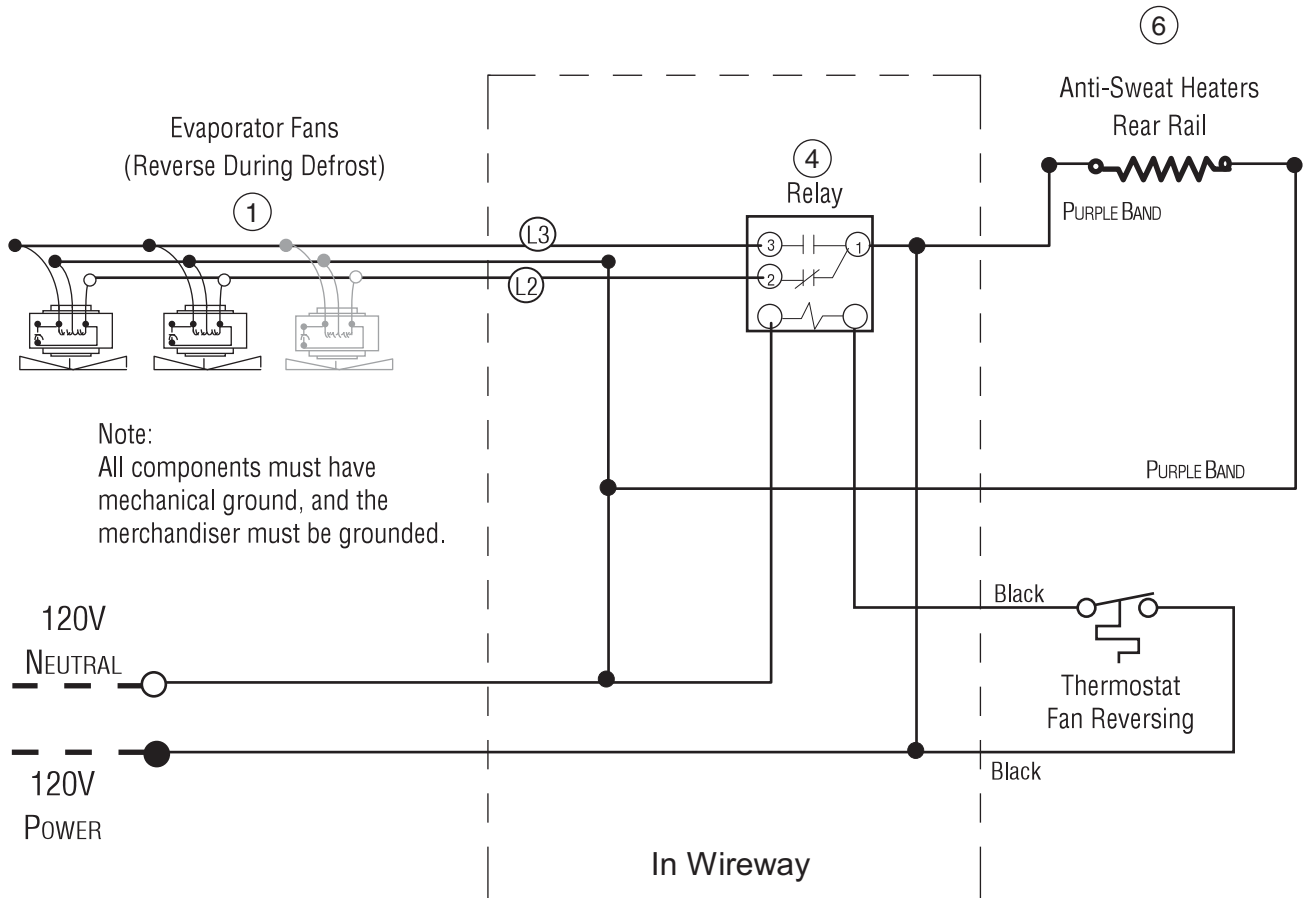
### Electric Defrost – Standard



**WARNING**

All components must have mechanical ground, and the merchandiser must be grounded.  
Circled Numbers = Parts List Item Numbers.

### Gas Defrost – Optional



### WARNING

All components must have mechanical ground, and the merchandiser must be grounded.  
Circled Numbers = Parts List Item Numbers.