

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				HEATERS			
A.	9W Fan Assembly		(1)	E.	Modular Electric Defrost Heaters		
	0440420	Fan Motor, (MO.0302555)			0495023	208V, 495W (HE.4850742)	(5)
	0376413	Fan Blade, embossing toward motor (FB.0376413)		F.	Rear Rail Heaters, 120V, 6 amp		(6)
					0494977	93 inch end cap case (HE.4850716)	
B.	Optional Adjustable Refrigeration Thermostat,		(2)				
C.	0398557	Defrost Termination Thermostat (CT.4440611)	(3)				
RELAYS				NOTE:			
D.	0123592	Relay, DPDT 208V coil (RL.4440495)	(4)	The M1GLE-93, is a low or dual temperature island end cap case, designed to be used with back to back C2LG cases with 4 in. elevated bases.			
	0253603	Optional Gas Defrost Relay, DPDT 120V coil (RL.4440267)	(4)				

NOTE: Revision G updates pages 2. Changes are underlined, circled or marked with a vertical line in the margin.



Engineering Plan View

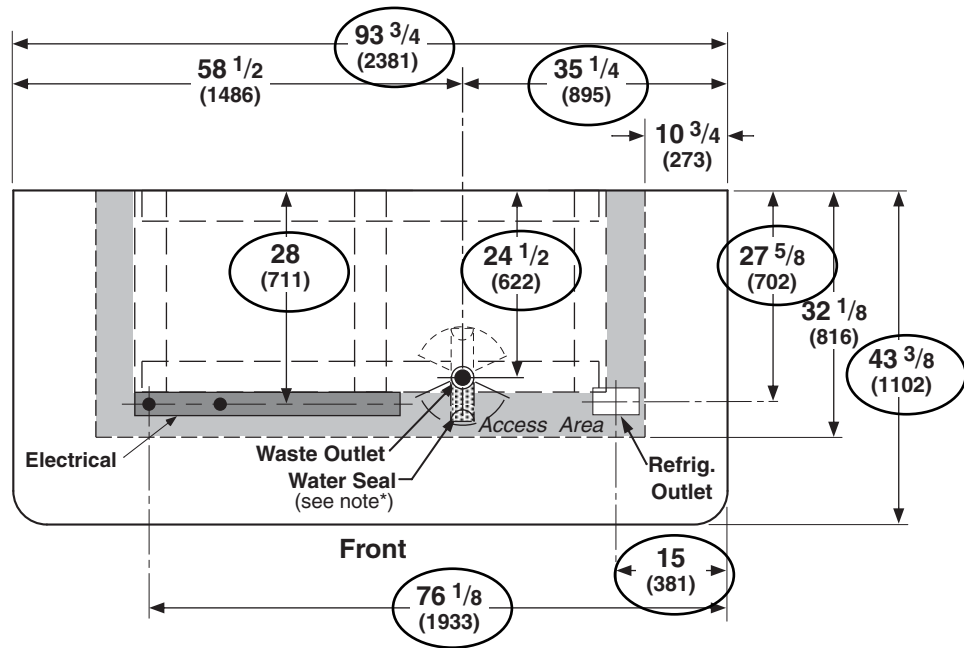
PHYSICAL DATA





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

Frozen Meat or Delicatessen

Dimensions shown as inches and (mm).

07-2010



	End
General	
Case Length (<i>bumper to bumper</i>)	<u>93 3/4 (2381)</u>
Maximum O/S dimension of case back to front (<i>includes bumper</i>)	<u>43 3/8 (1102)</u>
Back of case to front of splashguard	32 1/8 (816)
Back of case to O/S edge of front skid rail	26 1/4 (667)
Width of skid rail	2 3/8 (60)
Stub-up area between front skid rail and splashguard	4 (102)
Electrical Service  (<i>Electrical Field Wiring connection point</i>)	
RH End of case to center of farthest knockout	<u>76 1/8 (1933)</u>
Back O/S of case to center of knockout	<u>28 (711)</u>
Waste Outlet 	
RH End of case to the center of waste outlet	<u>35 1/4 (895)</u>
LH End of case to the center of waste outlet	58 1/2 (1486)
Back O/S of case to center of waste outlet	24 1/2 (622)
Water Seal 	
Edge of water seal to center of waste outlet	4 (102)
Schedule 40 PVC drip pipe	1 1/2 (38)
<i>*NOTE: Water seal outlet must clear front skid rail.</i>	
Refrigeration Outlet 	
Back O/S of case to center of refrigeration outlet	<u>27 5/8 (702)</u>
RH end of case to center of refrigeration outlet	<u>15 (381)</u>

Impact M1GLE-93
Frozen Meat or Delicatessen

REFRIGERATION DATA

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

M1GLE-93	Frozen Food	Medium Temp.
Discharge Air °F	-10	+21
Evaporator °F	-20	+10
Unit Sizing °F	-23	+8
BTU/HR/CASE		
Parallel	4380	2640
Conventional	4560	2760

DEFROST DATA

	Frozen Food	Medium Temp.
Frequency Hr	6	6
Defrost Water (lb/day/case)	20	15.5

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

ELECTRIC

	M1GLE-93
Temp Term °F	48
Failsafe Minutes	40

GAS

Duration (Minutes)	15
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OFFTIME

Not Recommended

CONVENTIONAL CONTROLS

Low Pressure Backup Control

M1GLE-93	Frozen Food	Medium Temp.
C/CO (Temp °F)**	-27 / -37	+3 / -7

Indoor Unit Only, Pressure Defrost

Termination (Temp °F)**

Not Recommended

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

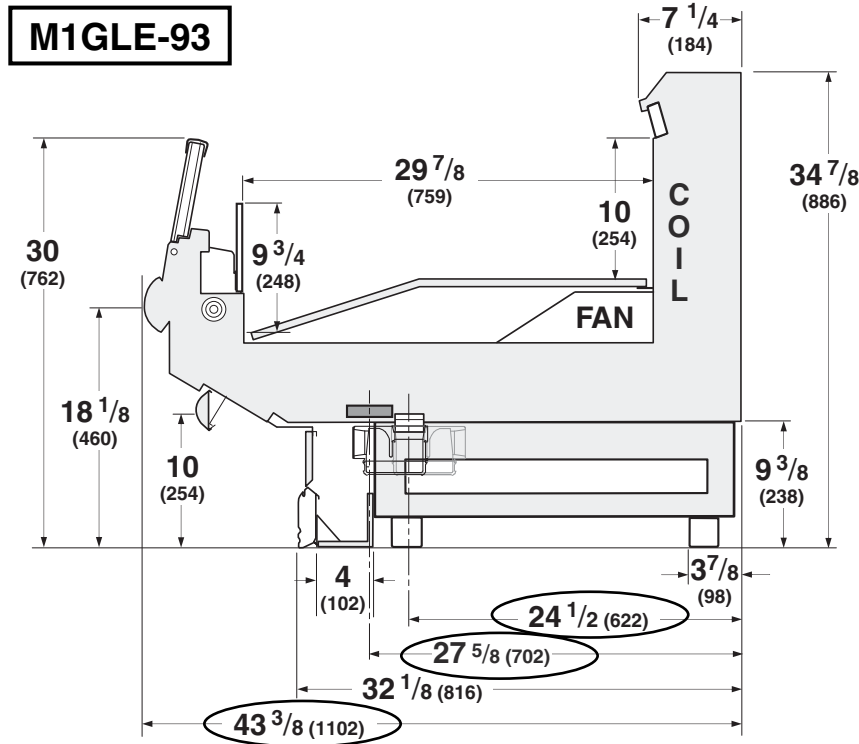
PHYSICAL DATA

Estimated Charge *

M1GLE-93	1.7 lb	27 oz	0.8 kg
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*This is an average for all refrigerant types. Actual refrigerant charge may vary by approximately 0.5 lb (8 oz / 0.2 kg).

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 **M1GLE-93**
Frozen Meat or Delicatessen

Electrical Data

	End	
Number of Fans – 9W	2	
	Amperes	Watts
Merchandiser	End	End
Fans		
Standard	NA	
Energy Efficient	NA	
Reverse Air	0.48	50
Anti-sweat Heaters		
Constant on Anti-sweat Heaters	0.60	72
Minimum Circuit Ampacity		
With Standard Fans	NA	
With Energy Efficient Fans	NA	
With Reverse Air Fans	1.28	
Maximum Over Current Protection	20	
208V Electric Defrost	5.0	990
120V Supplemental Rev. Air	NA	
Lighting		
None		

Product Data

Recommended Usable Cube ¹ (Cu Ft/Ft)	2.08 ft ³ /ft (0.19 m ³ /m)
AHRI Total Display Area ² (Sq Ft/Ft)	2.88 ft ² /ft (0.88 m ² /m)
Shelf Area ³ (Sq Ft/Ft)	2.49 ft ² /ft (0.76 m ² /m)

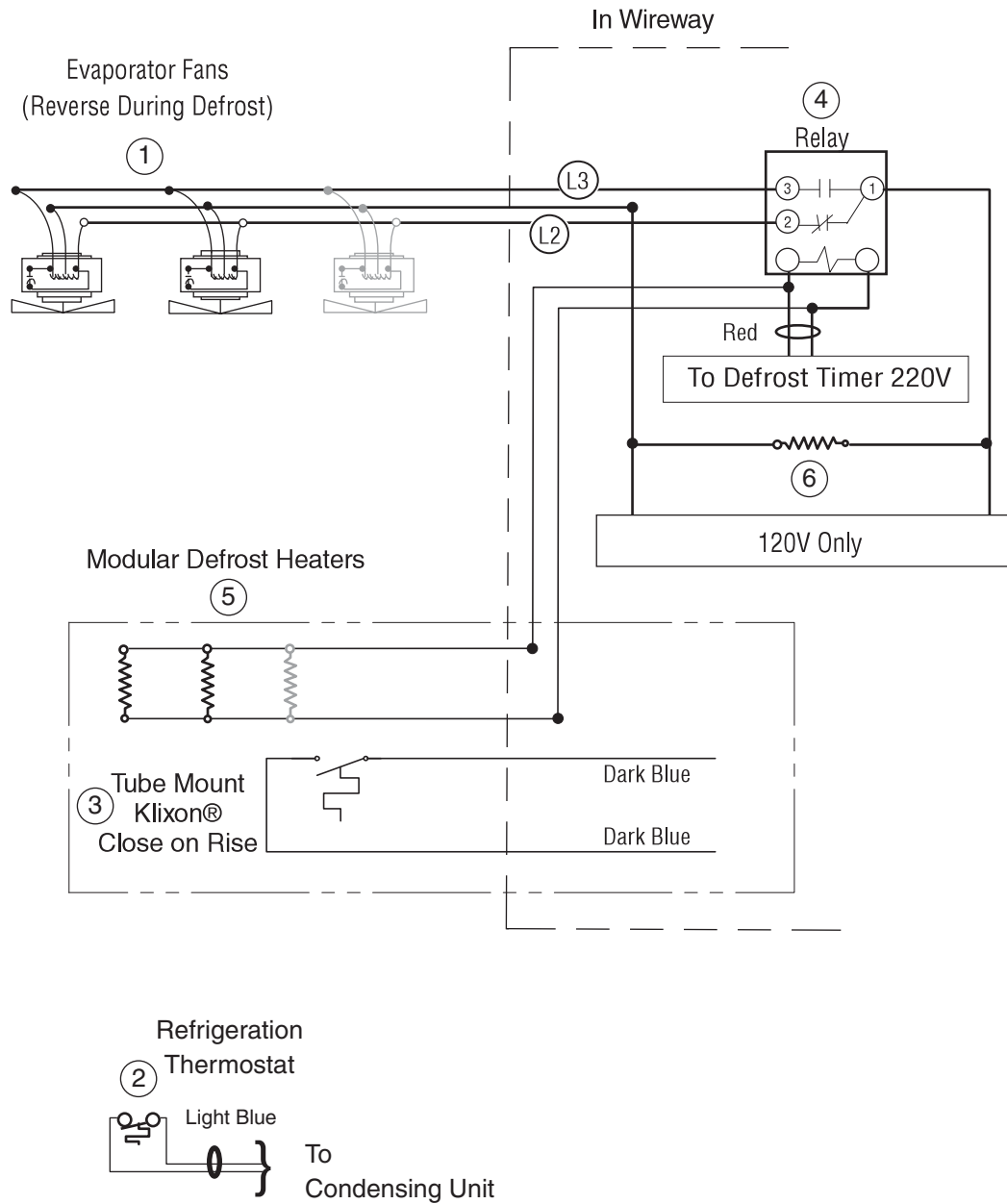
- ¹ AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume / Unit of Length, ft³/ft [m³/m]
² Computed using AHRI 1200 standard methodology: Total Display Area, ft² [m²] / Unit of Length, ft [m]
³ Shelf surface area is composed of bottom deck plus standard shelf complement, as shown in the Hussmann **Product Reference Guide**. The standard shelf complement for this model is NONE.

**ESTIMATED
SHIPPING WEIGHT ⁴**

End Case
400 (181) lb (kg)

⁴ Actual weight will vary according to optional kits included.

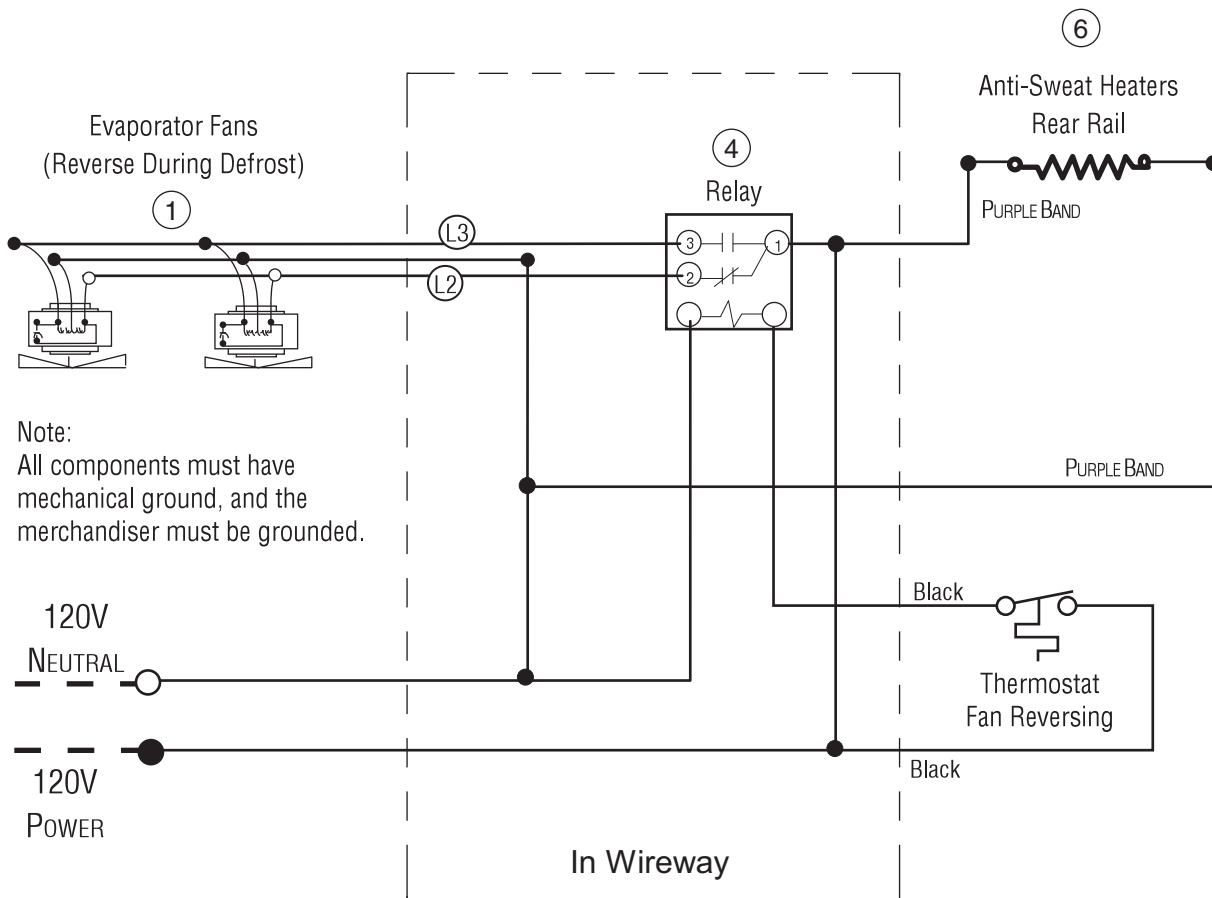
Electric Defrost – Standard



WARNING

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

Gas Defrost – Optional



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



WARNING

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Circled Numbers = Parts List Item Numbers.