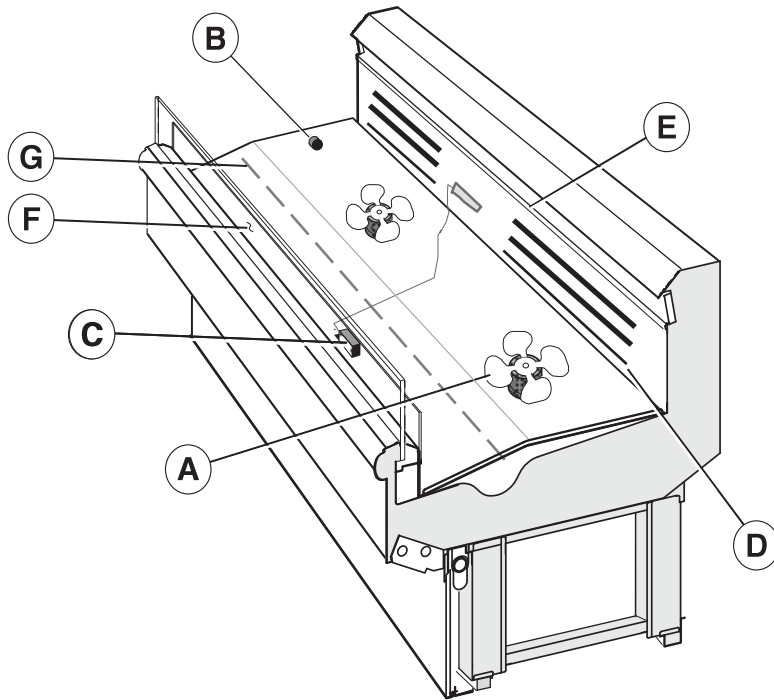


DOE 2017
Energy Efficiency
Compliant



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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 (CONTINUED)			
A.	4W Standard Energy Efficient Fan Assembly	(1)		E.	Rear Rail Heaters	(6)	
	<u>0477653</u>	Fan Motor, Evaporator (4, 6, 8 and 12 ft)			0507298	4 ft case	
	<u>0464847</u>	Fan Blade (4, 8 and 12 ft)			0518004	6 ft case	
	0252116	Fan Blade (6 ft only)			0494983	8 ft case	
		Relay, DPDT 208V coil	(4)		0494984	12 ft case	
		Relay, DPDT 120V coil		F.	0483952	4 Heated Glass Assembly (4, 8 and 12 ft)	(7)
B.		Optional Adjustable Refrigeration Thermostat	(2)		0518072	3 Heated Glass Assembly (6 ft only)	
C.	0398557	Standard Non-adjustable Defrost Thermostat	(3)	G.	208V Drip Pan Defrost Heaters, Electric	(8)	
HEATERS					0481865	4 ft case	
D.	0487482	4, 8 and 12 ft Modular Electric Defrost Heaters, 208V, 685W	(5)		0444300	6 ft case	
		Bottom of coil			0462160	8 ft case	
	0495023	6 ft Modular Electric Defrost Heaters, 28V, 495 W			0444296	12 ft case	
LAMPS AND BALLASTS						120V Drip Pan Defrost Heaters, Koolgas	(9)
		None			0527079	4 ft case	
					0527080	6 ft case	
					0465907	8 ft case	
					0465908	12 ft case	

Data sheet - Excel - M1XLGE

Note: Revision M: Updated DOE. Other changes marked with by bar, underline or circle.

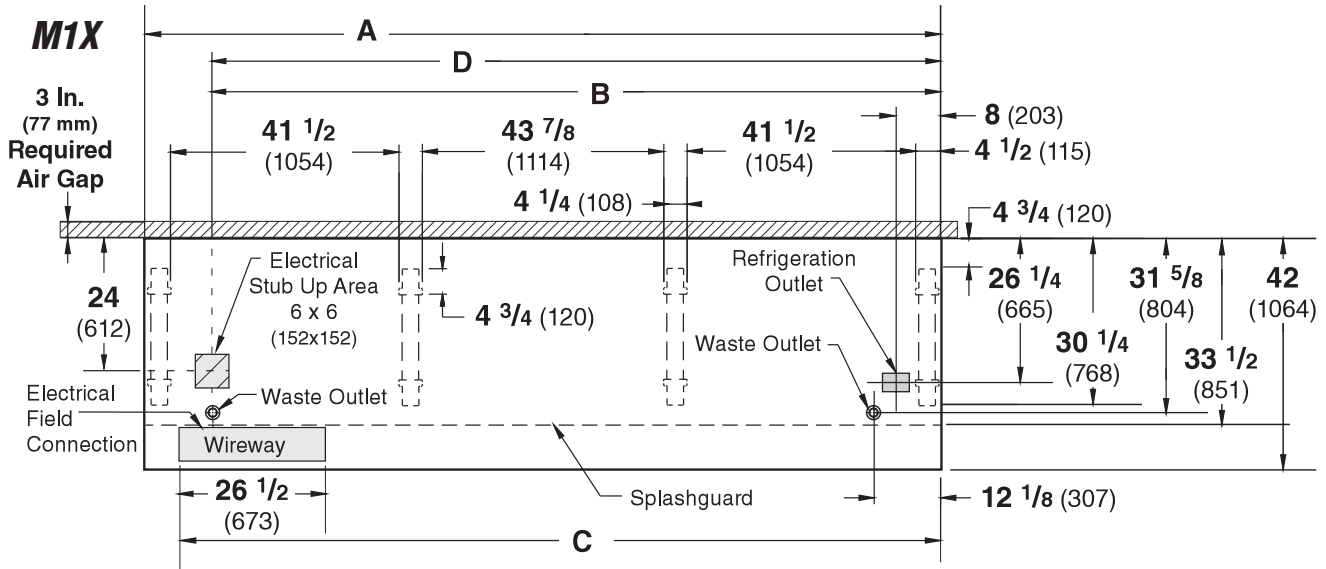
Engineering Plan Views

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

Frozen Meat, and Delicatessen

09-2005

Dimensions shown as in. and (mm).



NOTE: Case-to-Case Electrical Connections are made IN FRONT OF SPLASHGUARD.

FRONT

	4 ft	6 ft	8 ft	12 ft
General				
(A) Case Length (<i>without ends or partitions</i>) (Each end and insulated partition adds 1 1/2 in. (38 mm) to case line up.)	48 3/8 (1229)	72 3/8 (1838)	96 3/8 (2448)	144 1/2 (3670)
Maximum O/S dimension of case back to front (includes bumper)	42 (1064)	42 (1064)	42 (1064)	42 (1064)
Back of case to front of splashguard	33 1/2 (851)	33 1/2 (851)	33 1/2 (851)	33 1/2 (851)
Back of case to O/S edge of front leg	30 1/4 (768)	30 1/4 (767)	30 1/4 (768)	30 1/4 (768)
Distance between edges of external legs and center legs	NA	29 1/2 (750)	41 1/2 (1054)	41 1/2 (1054)
Distance between edges of center legs	NA	NA	NA	43 7/8 (1114)
Distance between front legs and splashguard	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)
Electrical Service (<i>Electrical Field Wiring connection point</i>)				
(B) RH End of case to center of stub up area	36 1/4 (921)	60 1/4 (1530)	84 1/4 (2140)	132 3/8 (3363)
Back of case to center of stub up area	24 (612)	24 (612)	24 (612)	24 (612)
Length of electrical wireway	26 1/2 (673)	26 1/2 (673)	26 1/2 (673)	26 1/2 (673)
(C) RH End of case to LH end of wireway	42 1/8 (1070)	66 1/8 (1680)	90 1/8 (2289)	138 1/4 (3511)
Waste Outlets (<i>One each end</i>)				
(D) RH End of case to the center of LH waste outlet	36 1/4 (921)	60 1/4 (1530)	84 1/4 (2140)	132 3/8 (3363)
RH End of case to the center of RH waste outlet	12 1/8 (307)	12 1/8 (307)	12 1/8 (307)	12 1/8 (307)
Back O/S of case to center of waste outlets	31 5/8 (804)	31 5/8 (804)	31 5/8 (804)	31 5/8 (804)
Schedule 40 PVC drip pipe	1 1/4 (32)	1 1/4	1 1/4 (32)	1 1/4 (32)
Refrigeration Outlet				
Back of case to center of refrigeration outlet	26 1/4 (665)	26 1/4 (665)	26 1/4 (665)	26 1/4 (665)
RH end of case to center of refrigeration outlet	8 (203)	8 (203)	8 (203)	8 (203)

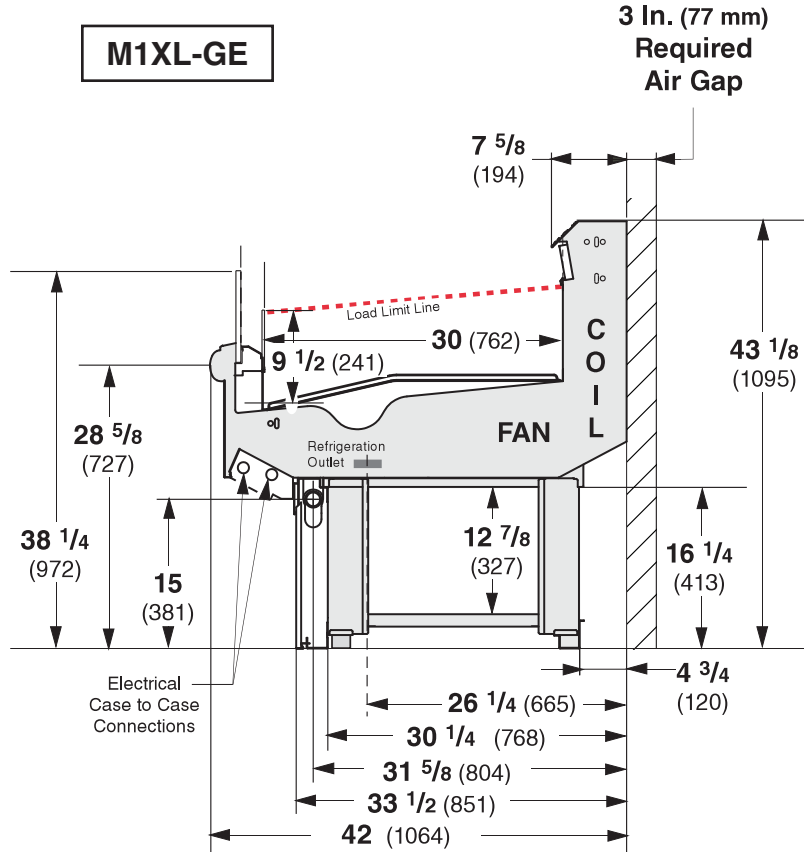
Single Deck, 1 Display Level, Glass Front



Hussmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2017 energy efficiency standards.

Excel M1XL-GE
Frozen Meat and Delicatessen

Dimensions shown as inches and (mm).



Estimated Charge**		M1XL-GE	
8 ft	1.7 lb	27 oz	0.8 kg
12 ft	2.3 lb	37 oz	1.0 kg

**This is an average for all refrigerant types. Actual refrigerant charge may vary by approximately half a pound (8 oz/0.2 kg).

NSF Certification

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

REFRIGERATION DATA

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

	M1XL-GE§
Discharge Air (°F)	- 8
Evaporator (°F)	- 14
Unit Sizing (°F)	- 17

§ Average evaporator temperature shown. Use dew point for high glide refrigerants for unit sizing. Care should be taken to use the dew point in PT tables for measuring and adjusting superheat. Adjust evaporator pressure as needed to maintain discharge air temperature shown.

<i>Btu/hr/ft</i>	M1XL-GE
Parallel	- 635
Conventional	- 690

DEFROST DATA

	M1XL-GE
Frequency (hr)	8
<i>ELECTRIC</i>	
Temp Term (°F)	48°F
Failsafe (minutes)	40

Standard Defrost Thermostat

Close on rise: close 48°F — open 33°F

CONVENTIONAL CONTROLS

Low Pressure Backup Control

	M1XL-GE
CICO*	-27°F / -37°F

Indoor Unit Only, Pressure Defrost

Termination* Not Recommended

*Use a Temperature Pressure Chart to determine PSIG conversions.

Excel M1XL-GE**Frozen Meat and Delicatessen****Electrical Data**

	4ft	6ft	8 ft	12 ft				
Number of Fans—4W	1	2	2	3				
	Amperes				Watts			
	4ft	6ft	8 ft	12 ft	4ft	6ft	8 ft	12 ft
Evaporator Fan								
120V 50/60Hz Standard Energy Efficient	0.12	0.24	0.24	0.36	8	16	16	24
Minimum Circuit Ampacity								
120V 50/60Hz Standard Energy Efficient	0.32	0.44	0.44	0.56				
Maximum Over Current Protection 120V	20	20	20	20				
Maximum Over Current Protection 230V	15	15	15	15				
Nosing Anti-sweat Heaters								
120V 50Hz/60Hz Standard	0.22	0.55	0.75	1.00	40	60	90	120
Return Glass Anti-sweat Heaters								
120V 50Hz/60Hz Standard	0.26	0.26	0.52	0.78	23	23	46	69
208V Electric Defrost	3.82	5.53	7.54	11.79	795	1150	1570	2455
120V KoolGas Defrost	0.92	1.33	1.67	3.33	110	160	200	400
Standard Lighting								
None								

Excel M1XL-GE Frozen Meat and Delicatessen

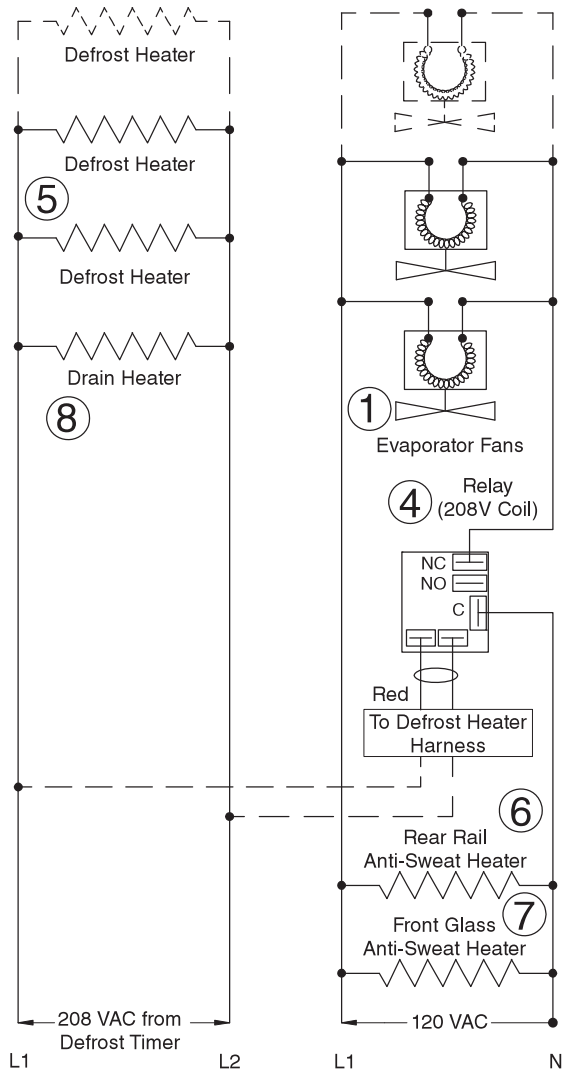
Product Data

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Ft)	1.52 ft ³ /ft (0.14 m ³ /m)
<i>AHRI Total Display Area</i> ² (Sq Ft/Ft)	2.56 ft ² /ft (0.78 m ² /m)
<i>Shelf Area</i> ³ (Sq Ft/Ft)	2.51 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.

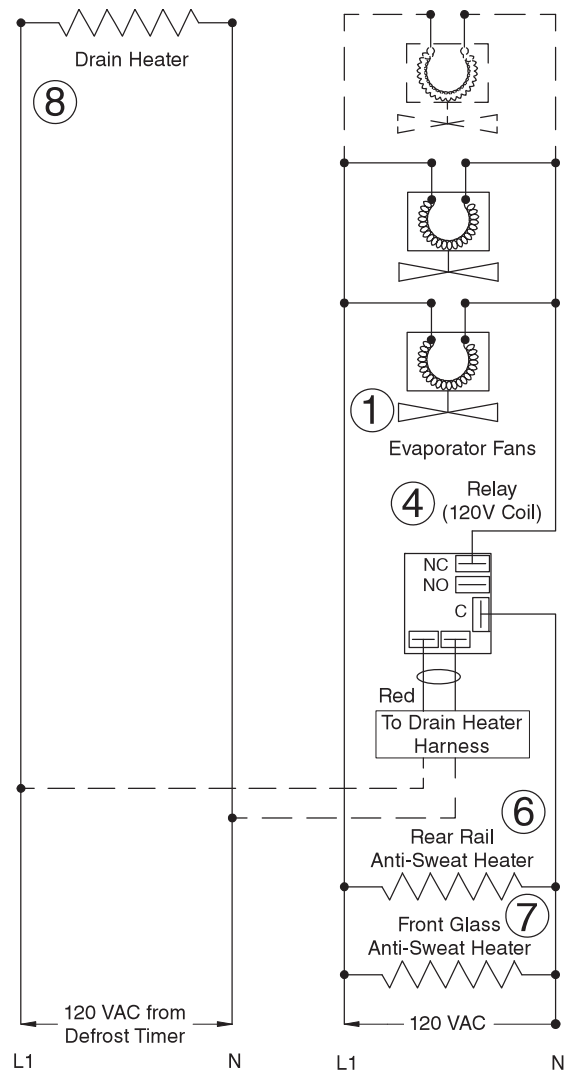
ESTIMATED SHIPPING WEIGHT ⁵					
Case	<i>4 ft</i>	<i>6 ft</i>	<i>8 ft</i>	<i>12 ft</i>	Solid End
					<i>(each)</i>
lb (kg)	500 (227)	600 (272)	800 (363)	1100 (499)	50 (23)
⁵ Actual weights will vary according to optional kits included.					

Defrost Wiring Standard Electric Defrost



Standard Electric Defrost

Defrost Wiring Optional Gas Defrost



Optional Gas Defrost

WARNING

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

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

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

● = 120V POWER ○ = 120V NEUTRAL ⚡ = FIELD GROUND ⏏ = CASE GROUND