HUSSMANN®
Excel

M1X-XGEC

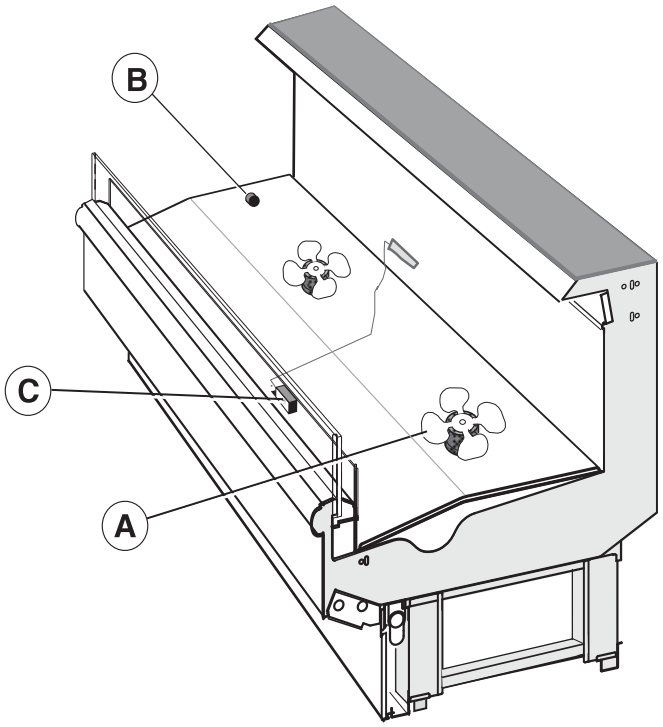
Technical Data Sheet

P/N 0503709_F

NSF® Certified

October 2011

DOE 2012
Energy Efficiency Compliant



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 #
FAN ASSEMBLIES			
A.		**4W Standard Energy Efficient** Fan Assembly	(1)
	0477653	Fan Motor, Evaporator (MO.4410544)	
	0464847	Fan Blade (FB.4780649)	

Item	Part #	Description	Wiring Item #
THERMOSTATS			
B.	0382028	Standard Non-adjustable Defrost Thermostat (CT.0382028)	(2)
C.		Optional Adjustable Refrigeration Thermostat	(3)

LAMPS AND BALLASTS

None

Note: Revision F makes energy efficient fans standard, changes adjustable feet to rail, and adds DOE 2012 compliance. Other changes marked by bar, underline or circle.

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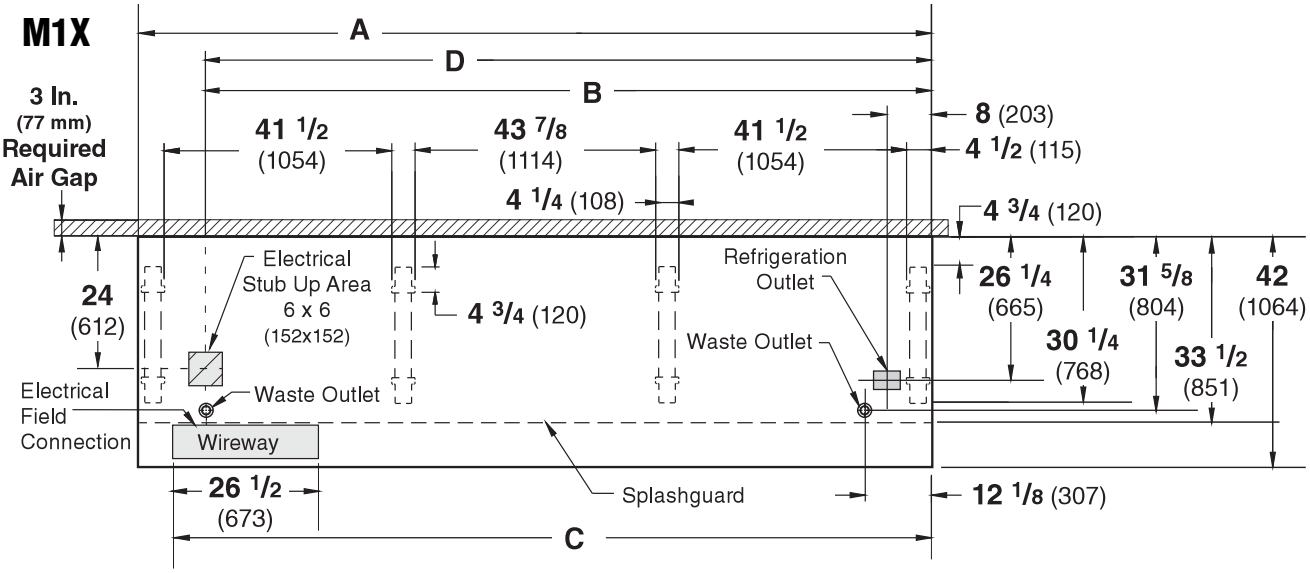
Engineering
Plan Views

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

Meat, Delicatessen and Produce

09-2005

Dimensions shown as in. and (mm).



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

FRONT

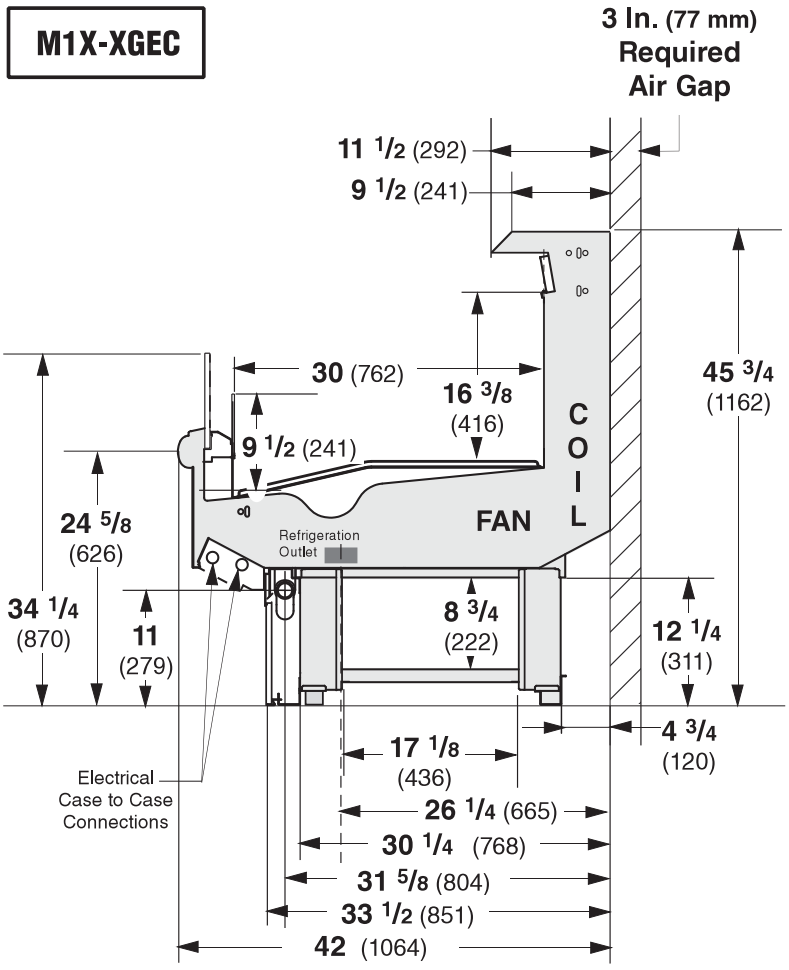
	8 ft
General	
(A) Case Length *(without ends or partitions)*	96 3/8 (2448)
(Each end and insulated partition adds 1 1/2 in. (38 mm) to case line up.)	
Maximum O/S dimension of case back to front	
(includes bumper)	42 (1064)
Back of case to front of splashguard	33 1/2 (851)
Back of case to O/S edge of front leg	30 1/4 (768)
Distance between edges of external legs and center legs	41 1/2 (1054)
Distance between edges of center legs	NA
Distance between front legs and splashguard	2 3/4 (70)
Electrical Service *(Electrical Field Wiring connection point)*	
(B) RH End of case to center of stub up area	84 1/4 (2140)
Back of case to center of stub up area	24 (612)
Length of electrical wireway (Wireway)	26 1/2 (673)
(C) RH End of case to LH end of wireway	90 1/8 (2289)
Waste Outlets *(One each end)*	
(D) RH End of case to the center of LH waste outlet	84 1/4 (2140)
RH End of case to the center of RH waste outlet	12 1/8 (307)
Back O/S of case to center of waste outlets	31 5/8 (804)
Schedule 40 PVC drip pipe	1 1/4
Refrigeration Outlet	
Back of case to center of refrigeration outlet	26 1/4 (665)
RH end of case to center of refrigeration outlet	8 (203)

Excel M1X-XGEC
Meat, Delicatessen
Pre-cut and Packaged Produce

DOE 2012 Energy Efficiency Compliant

Hussmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2012 energy efficiency standards.

Dimensions shown as inches and (mm).



REFRIGERATION DATA

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

	M1X-XGEC
Discharge Air (°F)	26
Evaporator (°F)	18
Unit Sizing (°F)	16

Btu/hr/ft	M1X-XGEC
Parallel	486
Conventional	516

DEFROST DATA

Frequency (hr)	6
Defrost Water (lb/ft/day)	2

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

OFF TIME	M1X-XGEC
Temp Term (°F)	43°F
Failsafe (minutes)	35

ELECTRIC OR GAS Not Recommended

Standard Defrost Thermostat

Close on rise: close 43°F — open 33°F

CONVENTIONAL CONTROLS

Low Pressure Backup Control

	M1X-XGEC
CI/CO**	11°F / 1°F

Indoor Unit Only, Pressure Defrost Termination*

48°F

*Use a Temperature Pressure Chart to determine PSIG conversions.

Estimated Charge**			M1X-XGEC
8 ft	1.7 lb	27 oz	0.8 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.

Excel M1X-XGEC
Meat and Delicatessen
Precut and Packaged Produce

Electrical Data

				8 ft	
Number of Fans—4W				**2**	
				Amperes	**Watts**
				8 ft	**8 ft**
Evaporator Fan					
120V	50/60Hz	Standard Energy Efficient		0.24	16
230V	50/60Hz	Standard Energy Efficient		0.12	16
230V	50/60Hz	Export		0.30	48
230V	50/60Hz	Export		0.36	54
Minimum Circuit Ampacity					
120V	50/60Hz	Standard Energy Efficient		0.44	
230V	50/60Hz	Standard Energy Efficient		0.32	
230V	50/60Hz	Export		0.50	
230V	50/60Hz	Export		0.56	
Maximum Over Current Protection 120V				**20**	
Maximum Over Current Protection 230V				15	

Product Data

Recommended Usable Cube [1] ***(Cu Ft/Ft)***	2.23 ft^3/ft (0.21 m^3/m)
AHRI Total Display Area [2] **(*Sq Ft/Ft*)**	2.67 ft^2/ft (0.81 m^2/m)
Shelf Area [3] ***(Sq Ft/Ft)***	2.51 ft^2/ft (0.76 m^2/m)

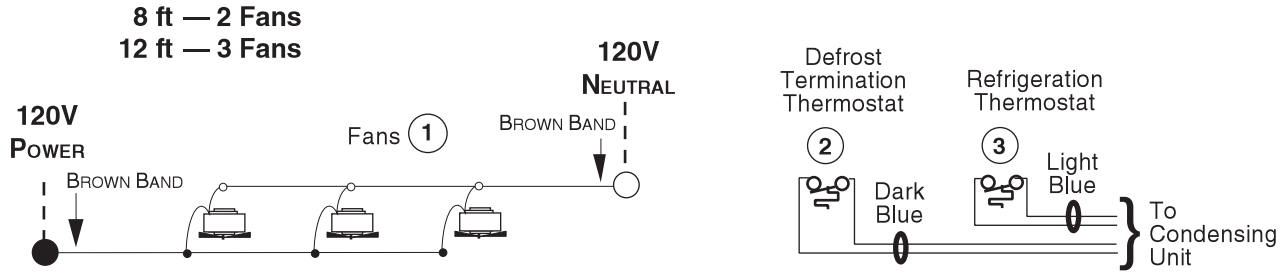
[1] AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume/Unit of Length, ft^3/ft [m^3/m]
[2] Computed using AHRI 1200 standard methodology: Total Display Area, ft^2 [m^2]/Unit of Length, ft [m]
[3] Shelf surface area is composed of bottom deck plus standard shelf complement,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

ESTIMATED SHIPPING WEIGHT [4]

Case		**Solid End**
	8 ft	***(each)***
lb *(kg)*	700 (318)	50 (23)

[4] Actual weights will vary according to optional kits included.

Fan Wiring
Offtime Defrost



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

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

● = **120V POWER** ○ = **120V NEUTRAL**