

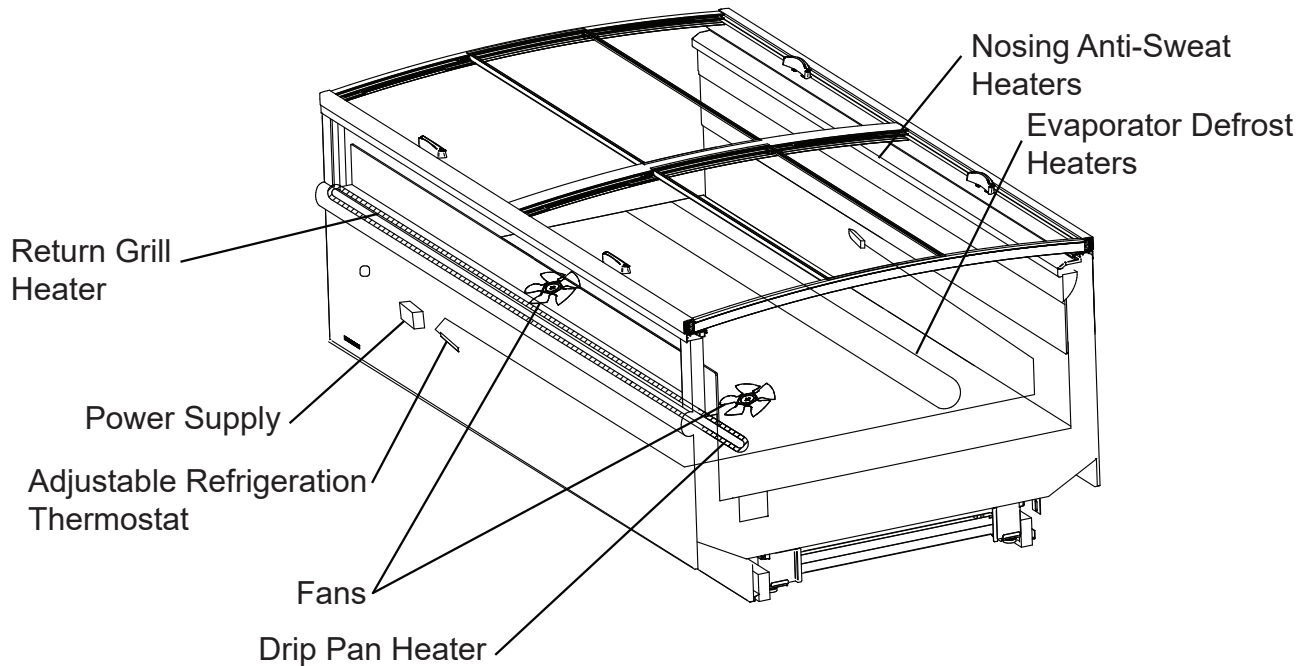
HUSSMANN[®] *Excel*



FI-GL
Technical Data Sheet
P / N 0523825_G

NSF[®] Certified
November 2021

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.

Data sheet-Excel FI-GL

Note: Revision G: Updated lid information.

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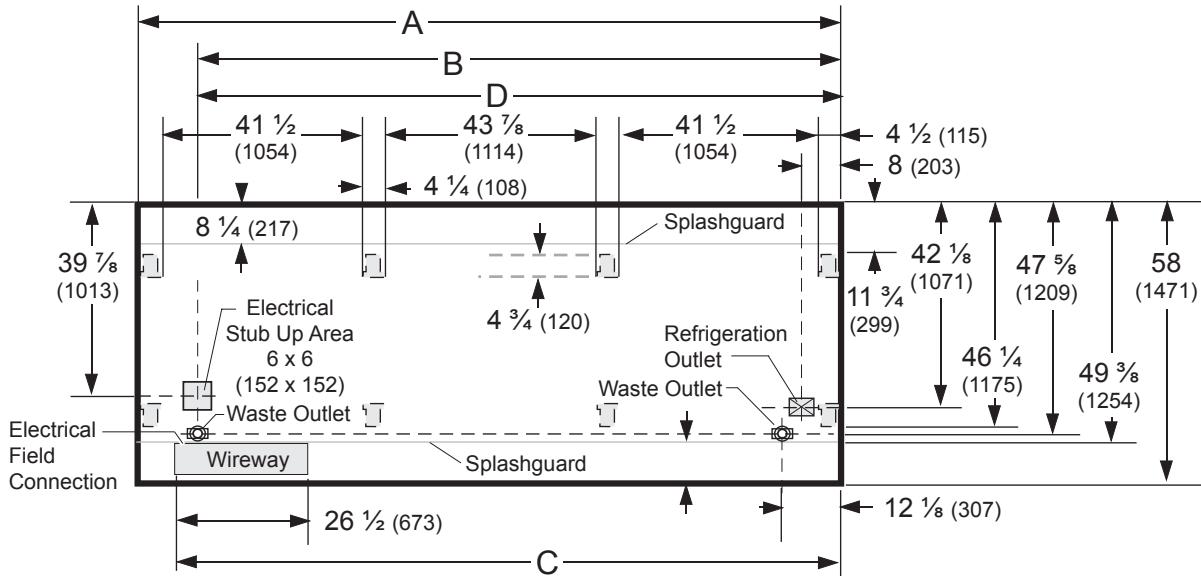
Spanish P / N 0538939

Engineering Plan Views

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

Intermediate Island Frozen Food

Dimensions shown as inches & (mm).



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

FRONT

	8 ft	12 ft
General		
(A) Case Length (<i>without ends or partitions</i>)	96 3/8 (2448)	144 1/2 (3670)
<i>(Each end and insulated partition adds 2 in. (51 mm) to case line up.)</i>		
Maximum O/S dimension of case back to front (<i>includes bumper</i>)	58 (1471)	58 (1471)
Back of case to front of splashguard	49 3/8 (1254)	49 3/8 (1254)
Back of case to O/S edge of front leg	46 1/4 (1175)	46 1/4 (1175)
Distance between edges of external legs and center legs	41 1/2 (1054)	41 1/2 (1054)
Distance between edges of center legs	NA	43 7/8 (1114)
Distance between front legs and splashguard	3 1/8 (82)	3 1/8 (82)
Electrical Service (<i>Electrical Field Wiring connection point</i>)		
(B) RH End of case to center of stub up area	84 1/4 (2141)	132 3/8 (3363)
Back of case to center of stub up area	39 7/8 (1013)	39 7/8 (1013)
Length of electrical wireway Wireway	26 1/2 (673)	26 1/2 (673)
(C) RH End of case to LH end of wireway	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	84 1/4 (2141)	132 3/8 (3363)
RH End of case to the center of RH waste outlet	12 1/8 (307)	12 1/8 (307)
Back O/S of case to center of waste outlets	47 5/8 (1209)	47 5/8 (1209)
Schedule 40 PVC drip pipe	1 1/4 (32)	1 1/4 (32)
Refrigeration Outlet		
Back of case to center of refrigeration outlet	42 1/8 (1071)	42 1/8 (1071)
RH end of case to center of refrigeration outlet	8 (203)	8 (203)



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

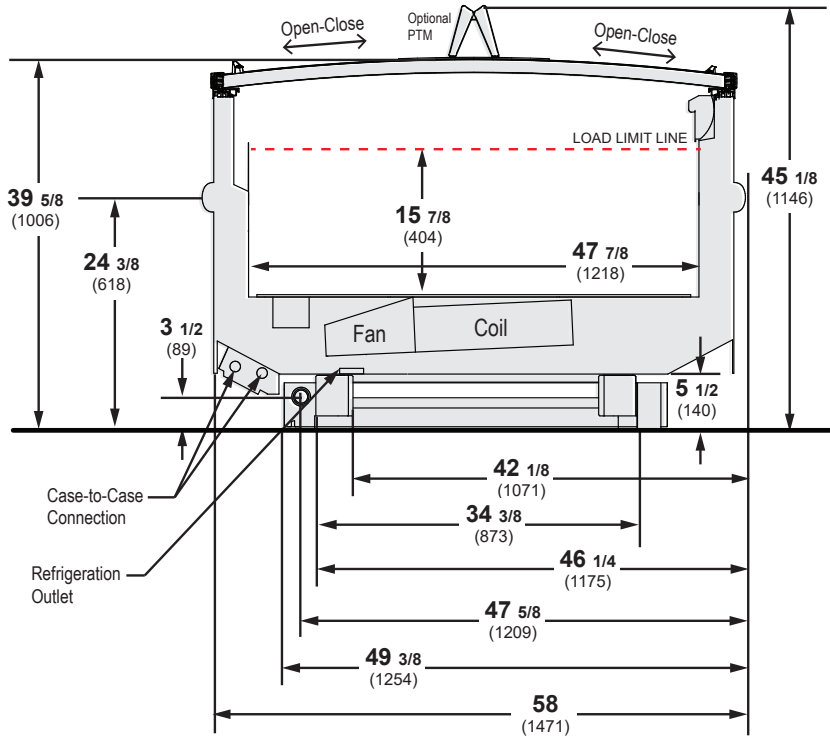
Excel FI-GL
Low/medium Temperature

REFRIGERATION DATA§

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

Dimensions shown as inches & (mm).

FIG-L



	MED	FF	IC
Discharge Air (°F)	+32	-10	-14
Evaporator (°F)	+25	-18	-20
Unit Sizing (°F)	+23	-21	-23

§ 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.

Btu/hr/ft*	MED	FF	IC
Parallel	212	290	300
Conventional	216	303	315

* Add 1.5 Btu/hr/ft for LED lighting.

DEFROST DATA

	MED	FF	IC
Frequency (hr)	24	24	24
Defrost Water (lb/ft/day)	0.2	0.2	0.15

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

ELECTRIC	MED	FF	IC
Temp Term (°F)	48	48	48
Failsafe (minutes)	30	50	60

GAS	MED	FF	IC
Duration (minutes)	NA	15	18

OFFTIME Not Recommended

Standard Defrost Thermostat

Close on rise: close 48 °F — open 33 °F

CONVENTIONAL CONTROLS

Low Pressure Backup Control — CI/CO **

MED	+28 °F / +16 °F
FF	-15 °F / -27 °F
IC	-21 °F / -33 °F

Indoor Unit Only, Pressure Defrost Termination*

Not Recommended

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

Estimated Charge ***

8 ft	2.5 lb	40 oz	1.1 kg
12 ft	3.7 lb	59 oz	1.7 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.

Electrical Data

			8 ft	12 ft		
Number of Fans – 4W Evaporator			2	2		
			Amperes		Watts	
			8 ft	12 ft	8 ft	12 ft
Evaporator Fans						
120V	50/60 Hz	Standard Energy Efficient	0.24	0.24	16	16
230V	50/60 Hz	Standard Energy Efficient	0.12	0.12	16	16
230V	60 Hz	Export	0.30	0.30	48	48
230V	50 Hz	Export	0.36	0.36	54	54
Anti-sweat Heaters (on fan circuit)						
120V	50/60 Hz	Standard	0.34	0.52	41	62
230V	50/60 Hz	Export	0.18	0.27	41	62
Minimum Circuit Ampacity						
120V	50/60 Hz	Standard Energy Efficient	0.78	1.08		
230V	50/60 Hz	Standard Energy Efficient	0.50	0.65		
230V	60 Hz	Export	0.68	0.92		
230V	50 Hz	Export	0.74	1.01		
Maximum Over Current Protection 120V			20	20		
Maximum Over Current Protection 230V			15	15		
Return Glass Anti-sweat Heaters						
120V	50/60 Hz	Standard	0.08	0.11	9	13
230V	50/60 Hz	Export	0.04	0.06	9	13
Discharge Glass Anti-sweat Heaters						
120V	50/60 Hz	Standard	0.46	0.66	55	79
230V	50/60 Hz	Export	0.24	0.34	55	79
208V Electric Defrost (Coil & Drain Heater)			9.13	13.94	1900	2900
230V Export Electric Defrost (Coil & Drain Heater)			8.26	12.61	1900	2900
120V Koolgas Defrost			1.67	3.33	200	400

ONLY LIGHTING CONFIGURATIONS THAT ARE COMPLIANT WITH THE U.S. DEPT. OF ENERGY (DOE) 2017 REGULATION ARE AVAILABLE FOR SALE FOR USE IN THE U.S.A.

Standard Lighting

None

Optional Lighting

None

Please note: some combinations of fluorescent lights on this case model may not be compliant with DOE 2017 and may not be available to order in the US and Canada. More lighting options are available with LED lights. The Hussmann Product Configurator will not allow lighting options that do not comply with the DOE 2017 standards.

Product Data

Recommended Usable Cube ¹ (Cu Ft/Ft)	5.30 ft ³ /ft (0.49 m ³ /m)
AHRI Total Display Area ² (Sq Ft/Ft)	4.63 ft ² /ft (1.41 m ² /m)
Shelf Area ³ (Sq Ft/Ft)	4.00 ft ² /ft (1.22 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.

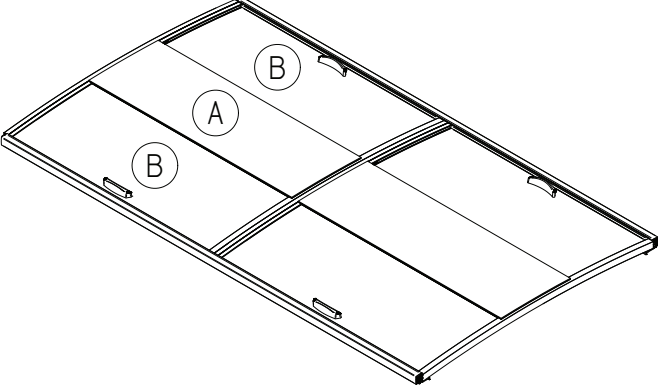
ESTIMATED SHIPPING WEIGHT ⁴			
Case	<i>8 ft</i>	<i>12 ft</i>	Solid End
			<i>(each)</i>
lb (kg)	1150 (522)	1420 (695)	50 (23)

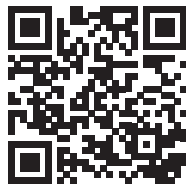
⁴ Actual weights will vary according to optional kits included.

Glass Lid Replacement Parts

FI8GL, FI12GL GLASS ASSEMBLIES

- A. Glass Assembly - FXD 4 foot, FI
Glass Assembly - FXD Door, L, R, 4 foot, FI
- B. Glass Assembly - 4 foot, FI
Glass Assembly - L, R, 4 foot, FI



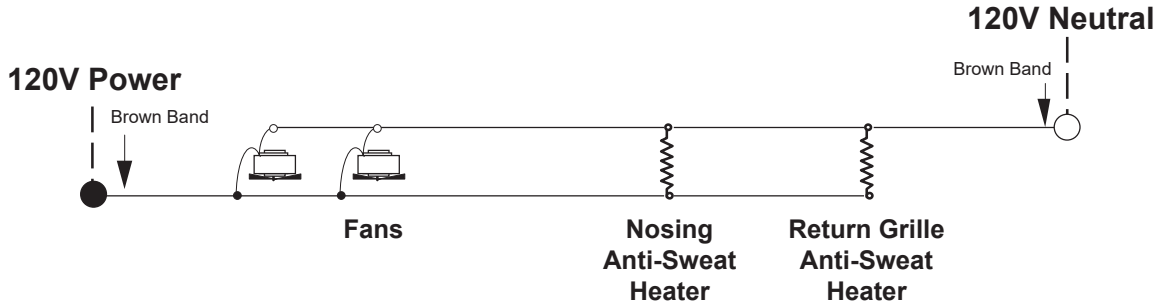


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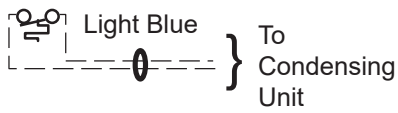
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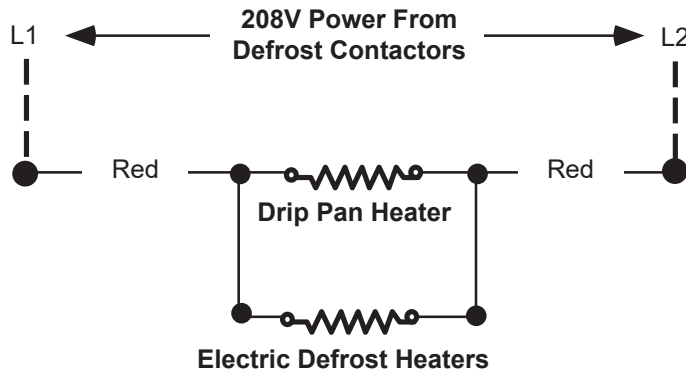
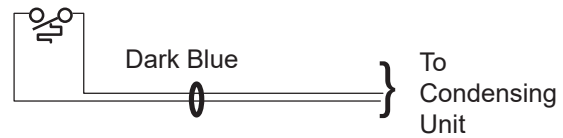
Electric Defrost – Standard



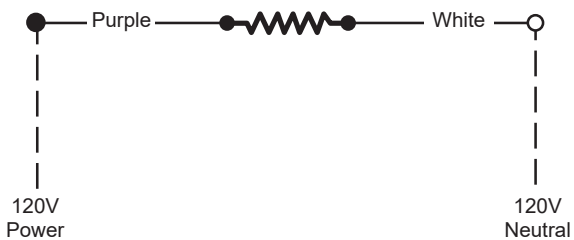
Refrigeration Thermostat (Optional)



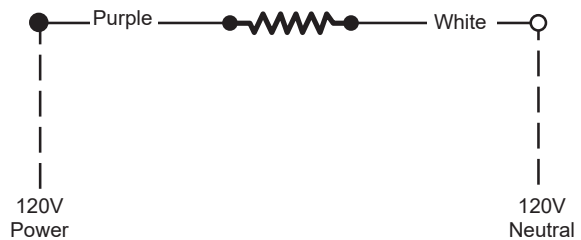
Defrost Termination Thermostat



Return Glass Anti-Sweat Heater



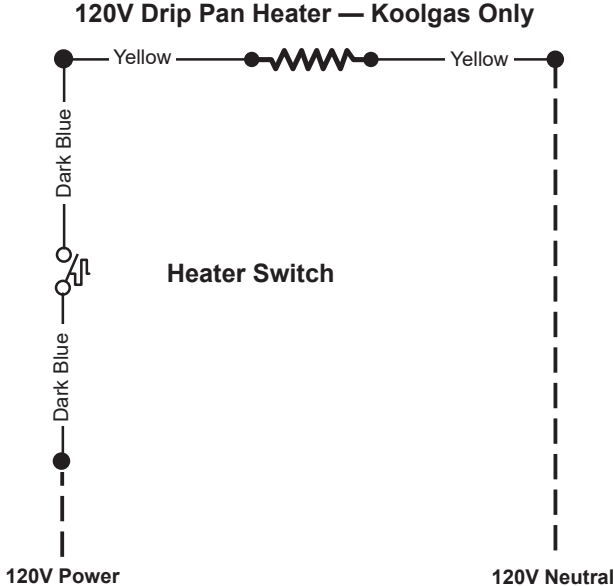
Discharge Glass Anti-Sweat Heater



WARNING

All components must have mechanical ground, and the merchandiser must be grounded.
 Grayed components in 12 foot models only.

Gas Defrost – Optional



WARNING

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