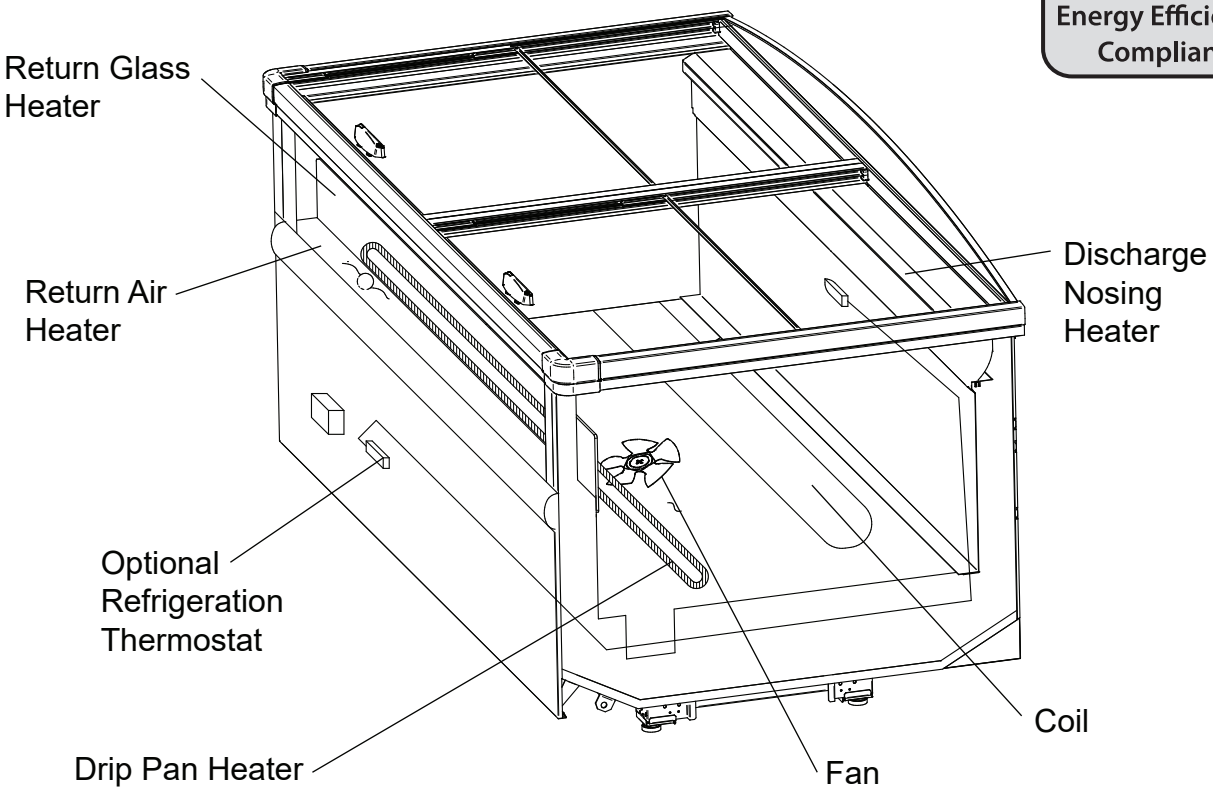
HUSSMANN®
Excel

FWEGL
Technical Data Sheet
P/N 0523829_F
NSF® Certified
June 2021

DOE 2017
Energy Efficiency Compliant



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Parts may also be ordered at:
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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 FWEGL

Note: Revision F: Updated lid information.

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Spanish P/N 0538947

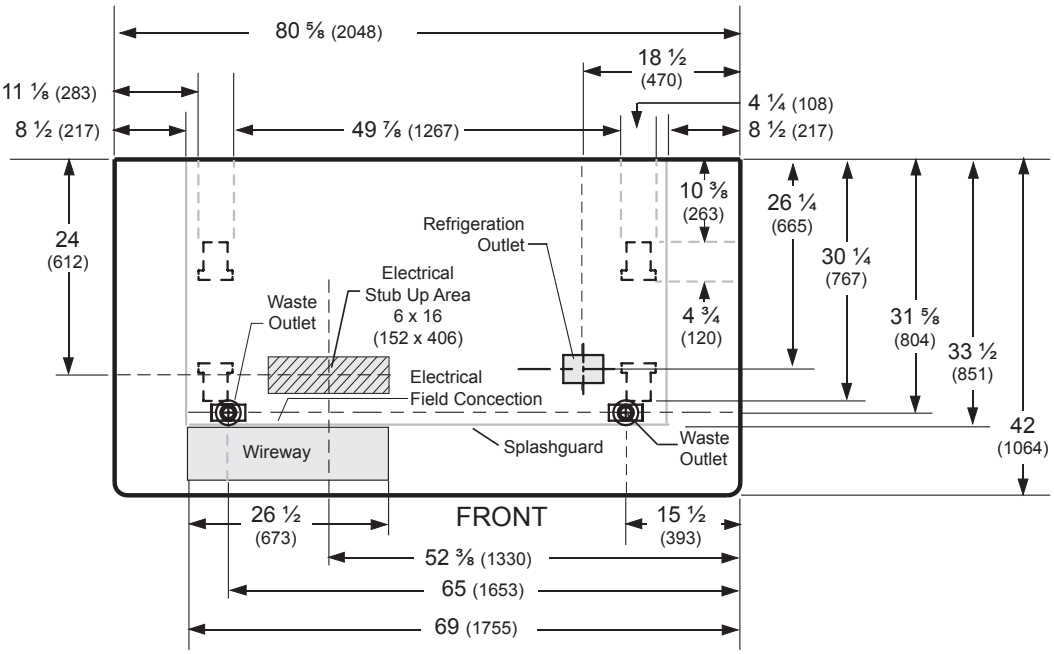
Engineering
Plan Views

Low / Medium Temperature
Wide Island End Case

02-2012

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

Dimensions shown as inches & (mm).



	End Case
General	
Case Length — Outside	80 5/8 (2048)
Inside Length	73 5/8 (1870)
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 (767)
Distance between edges of external legs and center legs	48 1/2 (1234)
Distance between edges of center legs	NA
Distance between front legs and splashguard	3 1/8 (82)
Electrical Service *(Electrical Field Wiring connection point)*	
RH End of case to center of stub up area	52 3/8 (1653)
Back of case to center of stub up area	24 (612)
Length of electrical wireway (Wireway)	26 1/2 (673)
RH End of case to LH end of wireway	69 (1755)
Waste Outlets *(One each end)*	
RH End of case to the center of LH waste outlet	65 (1653)
RH End of case to the center of RH waste outlet	15 1/2 (393)
Back O/S of case to center of waste outlets	31 5/8 (804)
Schedule 40 PVC drip pipe	1 1/4 (32)
Refrigeration Outlet	
Back of case to center of refrigeration outlet	26 1/4 (665)
RH end of case to center of refrigeration outlet	18 1/2 (470)

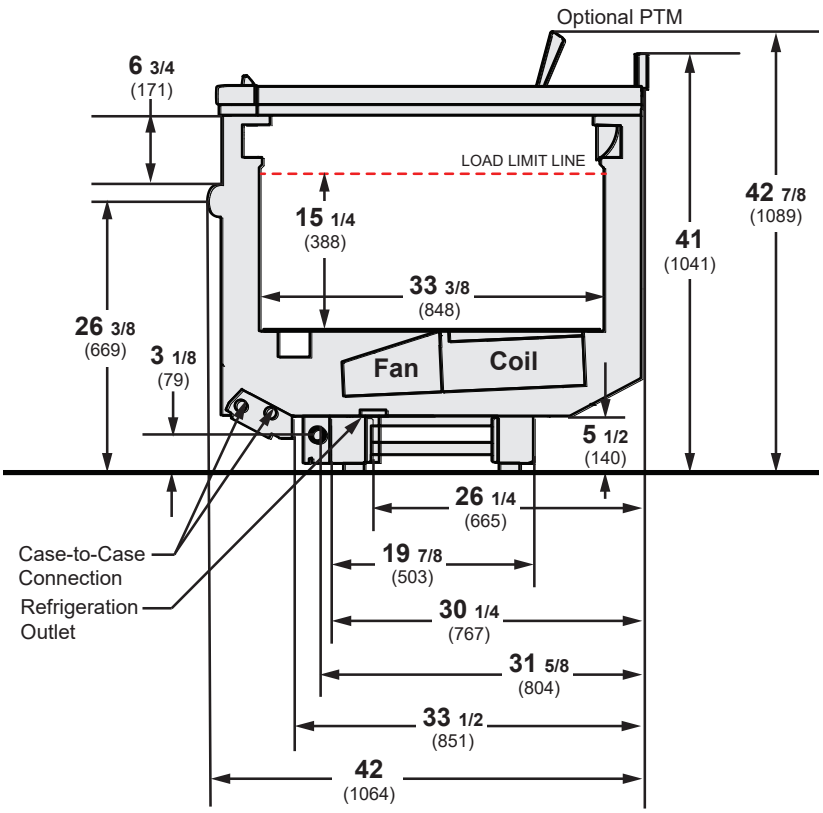
DOE 2017 Energy Efficiency Compliant

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 FWEGL
Low / Medium Temperature

Dimensions shown as inches & (mm).

FWEGL



Estimated Charge ****

End	1.5 lb	24 oz	0.7 kg

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

Length Added to Lineup: 42 (1064)

This End Case is used in place of an End Assembly. Partitions do not apply.

REFRIGERATION DATA**§

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

	MED	FF	IC
Discharge Air (°F)	+32	–10____–16	
Avg Evaporator (°F)	+25	–18____–24	
Unit Sizing (°F)	+23	–21____–27	

§ 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/case**	MED	FF	IC
Parallel	576	991	1073
Conventional	588	1034	1120

* Add 10 Btu/hr/case for LED lighting.
**Dual temperature operation kits are not suitable for ice cream temperature applications.

DEFROST DATA

	MED	FF	IC
Frequency (hr)	24	24	24
Defrost Water (lb/case/day)	4.0	4.0	3.3

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

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

GAS			
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.

NSF Certification

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

Electrical Data

			Standard End	
Number of Fans – 4W Evaporator			**1**	
			Amperes End	**Watts End**
Evaporator Fans				
120V	50/60Hz	Standard Energy Efficient	0.12	8
230V	50/60Hz	Standard Energy Efficient	0.06	8
230V	60Hz	Export	0.15	24
230V	50Hz	Export	0.18	27
Anti-sweat Heaters (on fan circuit)				
120V	50/60Hz	Standard	0.36	31
230V	50/60Hz	Export	0.13	31
Minimum Circuit Ampacity				
120V	50/60Hz	Standard Energy Efficient	0.68	
230V	50/60Hz	Standard Energy Efficient	0.39	
230V	60Hz	Export	0.48	
230V	50Hz	Export	0.51	
Maximum Over Current Protection 120V			**20**	**20**
Maximum Over Current Protection 230V			15	15
Return Glass Anti-sweat Heaters				
120V	50/60Hz	Standard	0.13	16
230V	50/60Hz	Export	0.07	16
208V Electric Defrost			6.54	1360
230V Export Electric Defrost			5.91	1360
120V Koolgas Defrost			1.33	160

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

LED	120V	50/60Hz	0.17	20

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)***	3.69 ft^3/ft (0.34 m^3/m)
AHRI Total Display Area [2] **(*Sq Ft/Ft)***	3.52 ft^2/ft (1.07 m^2/m)
Shelf Area [3] ***(Sq Ft/Ft)***	2.79 ft^2/ft (0.85 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						**End Case**
lb *(kg)*	NA *(NA)*	NA *(NA)*	NA *(NA)*	NA *(NA)*	NA *(NA)*	590 (269)

4 Actual weights will vary according to optional kits included.

Glass Lid Replacement Parts

A. Glass Assembly - FXD end case FW
B. Glass Assembly - Door FWE

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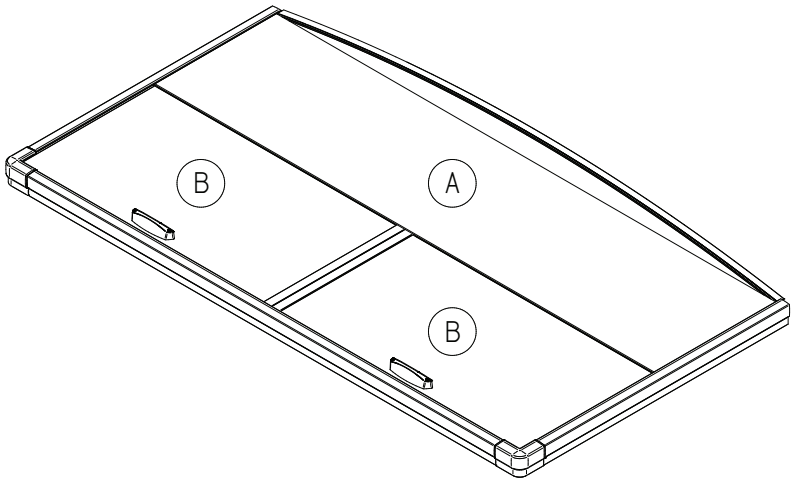
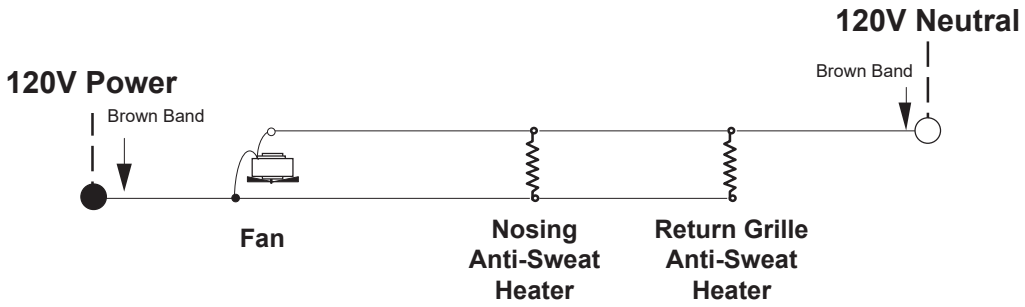
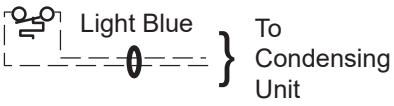


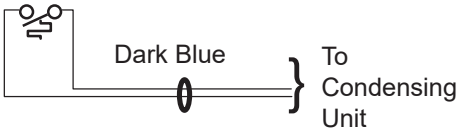
Electric Defrost – Standard

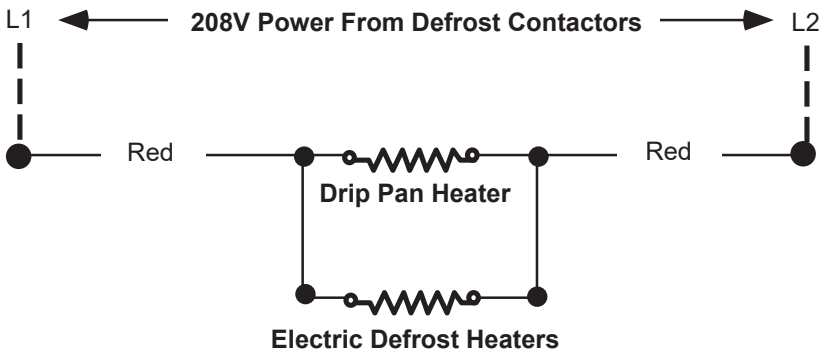


Refrigeration Thermostat (Optional)

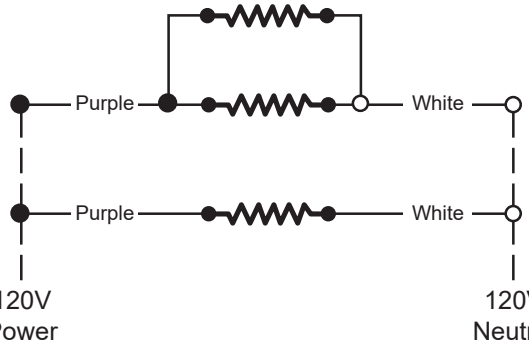


Defrost Termination Thermostat





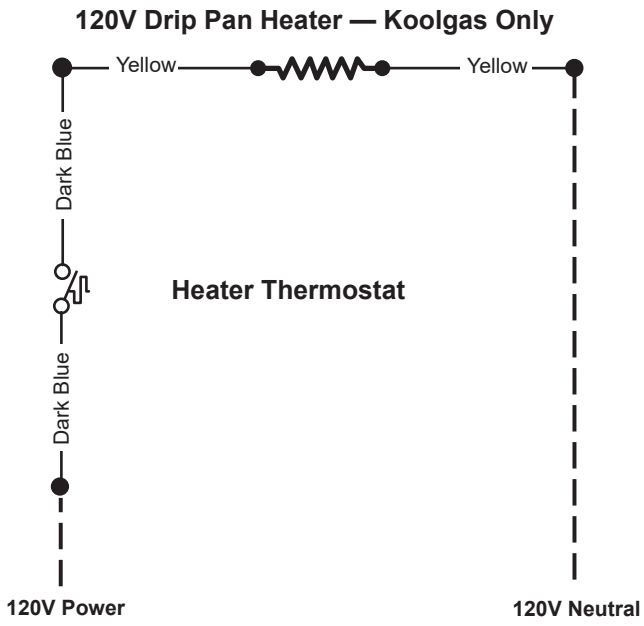
Return Glass Anti-Sweat Heater



WARNING

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

Gas Defrost – Optional



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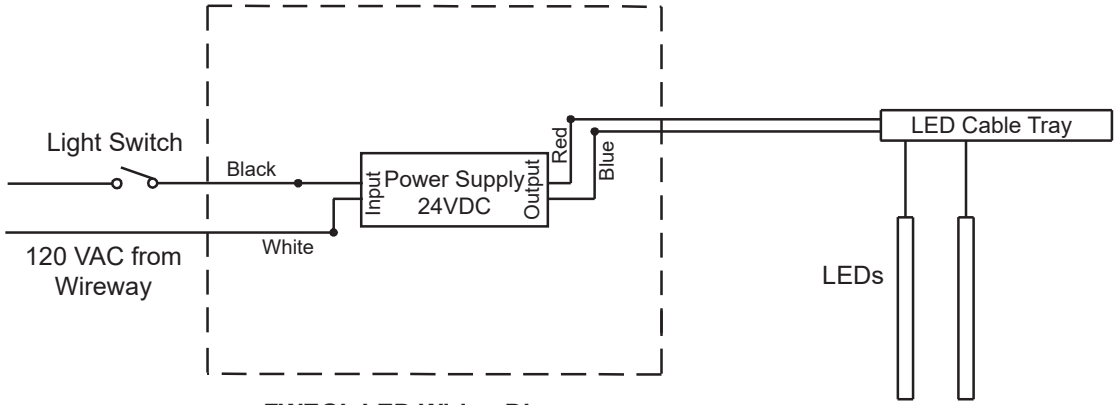
Optional LED Lighting Wiring Diagrams



FWEGL LED Wiring Diagram