

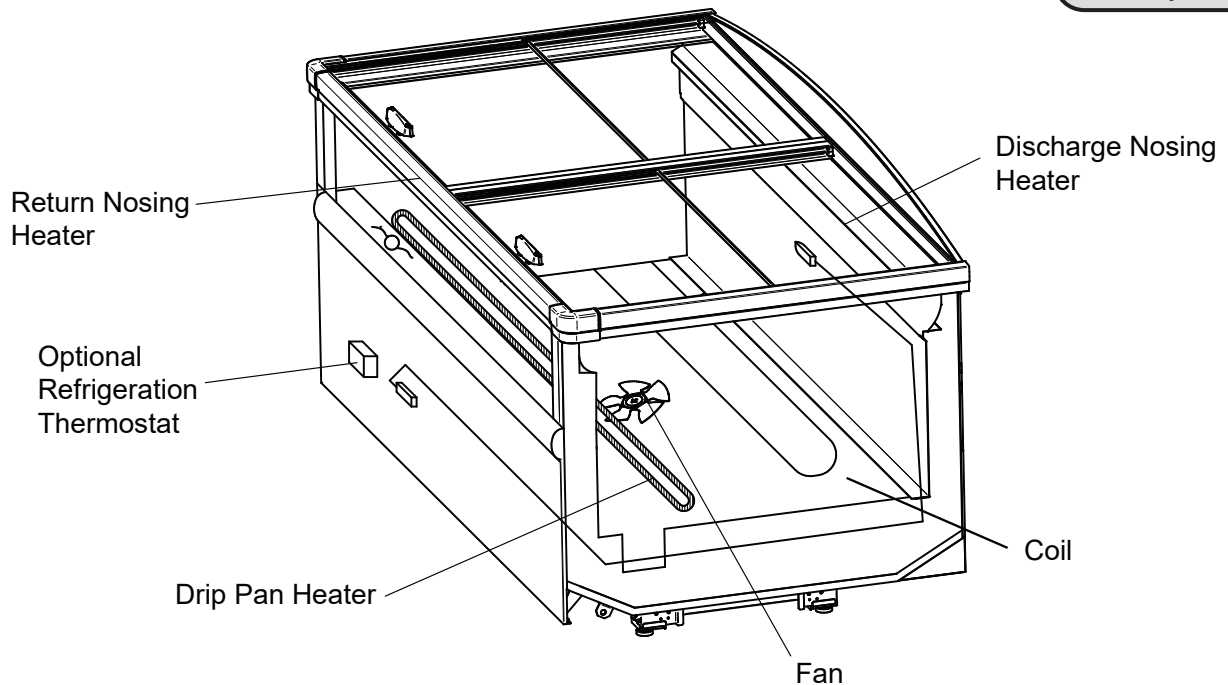
HUSSMANN[®] *Excel*



FWEL
Technical Data Sheet
P/N 0523828_E

NSF[®] Certified
June 2021

DOE 2017
Energy Efficiency
Compliant



Scan the QR code on your mobile device to access additional product information or order parts.

Parts may also be ordered at:

parts.hussmann.com

Call toll free: 1.855.487.7778

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-FWEL

Note: Revision E: Updated lid information.

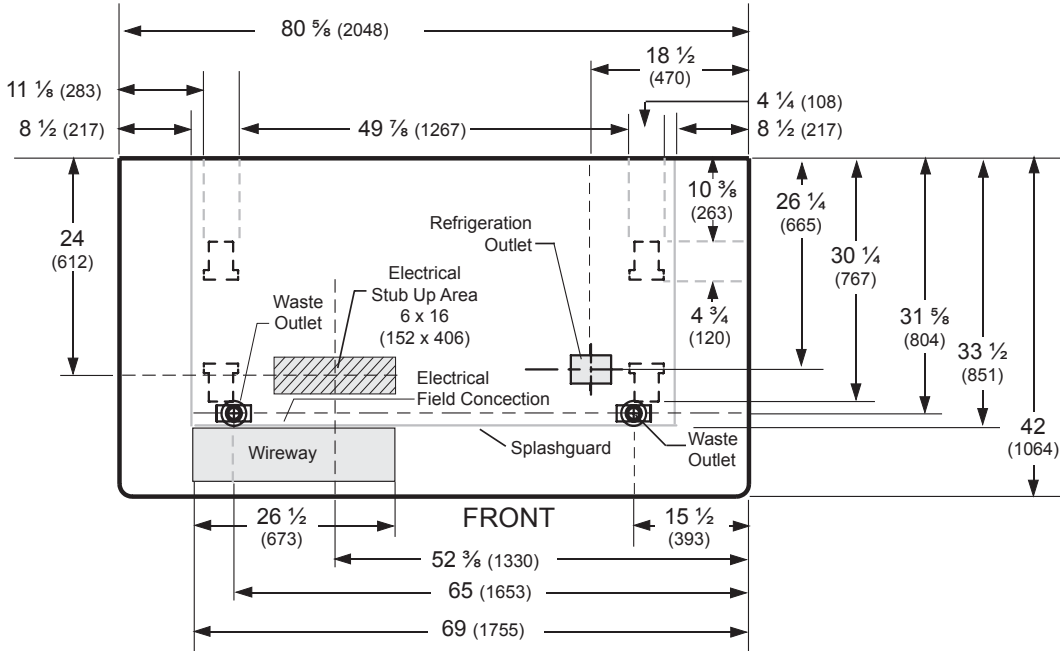
Engineering Plan Views

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

Low / Medium Temperature Wide Island End case

Dimensions shown as inches & (mm).

10-2004



| | 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 <i>(includes bumper)</i> | 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 <input checked="" type="checkbox"/> <i>(Electrical Field Wiring connection point)</i> | |
| RH End of case to center of stub up area | 52 3/8 (1330) |
| Back of case to center of stub up area | 24 (612) |
| Length of electrical wireway <input type="checkbox"/> Wireway | 26 1/2 (673) |
| RH End of case to LH end of wireway | 69 (1755) |
| Waste Outlets <i>(One each end)</i> <input checked="" type="checkbox"/> | |
| 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 <input checked="" type="checkbox"/> | |
| 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) |

Single Level End Display with Solid Front and Lids



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 FWEL
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.

| | MED | FF | IC |
|--------------------|-----|-----|-----|
| Discharge Air (°F) | +32 | -10 | -19 |
| Evaporator (°F) | +25 | -15 | -24 |
| Unit Sizing (°F) | +23 | -18 | -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 | 488 | 922 | 974 |
| Conventional | 498 | 962 | 1016 |

* 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) | 2.6 | 2.3 | 2.0 |

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

| <i>ELECTRIC</i> | MED | FF | IC |
|--------------------|-----|----|----|
| Temp Term (°F) | 48 | 48 | 48 |
| Failsafe (minutes) | 30 | 50 | 60 |

| <i>GAS</i> | 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 **

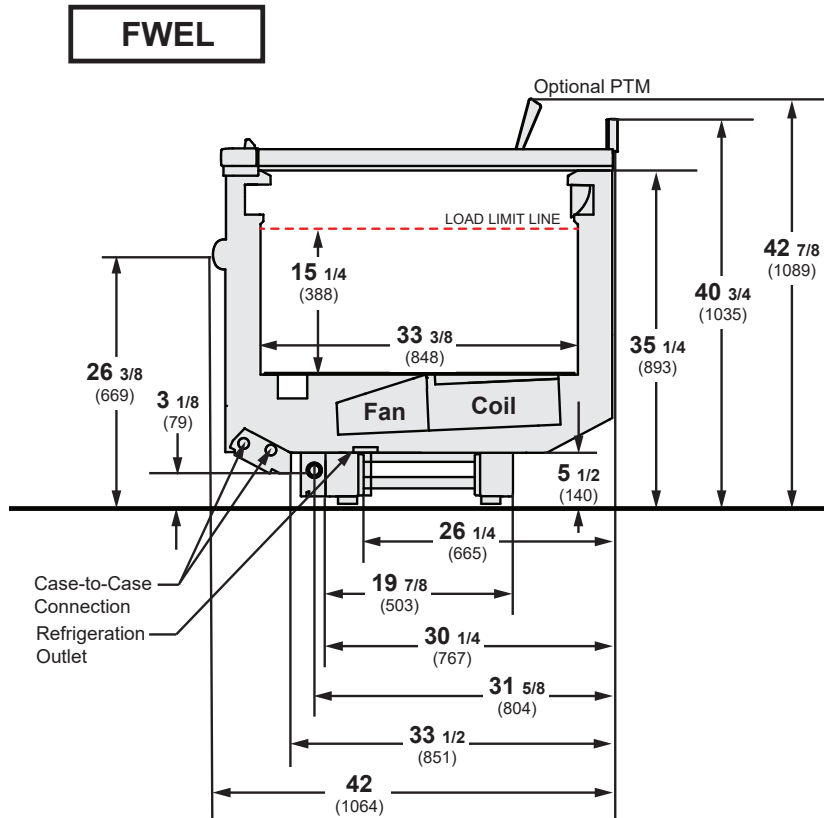
| | |
|-----|---------------|
| MED | +28°F / +16°F |
| FF | -15°F / -27°F |
| IC | -21°F / -33°F |

Indoor Unit Only, Pressure Defrost Termination***

Not Recommended

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

Dimensions shown as inches & (mm).



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.

NSF Certification

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

| |
|--|
| Excel FWEL Low / Medium Temperature |
|--|

Electrical Data

| | | | Standard End | |
|---|---------|---------------------------|--------------|-----------|
| Number of Fans – 4W Evaporator | | | 1 | |
| | | | Amperes | Watts |
| | | | End | 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 | 0.20 | 24 |
| 230V | 50/60Hz | Export | 0.10 | 24 |
| Minimum Circuit Ampacity | | | | |
| 120V | 50/60Hz | Standard Energy Efficient | 0.52 | |
| 230V | 50/60Hz | Standard Energy Efficient | 0.36 | |
| 230V | 60Hz | Export | 0.45 | |
| 230V | 50Hz | Export | 0.48 | |
| Maximum Over Current Protection 120V | | | 20 | 20 |
| Maximum Over Current Protection 230V | | | 15 | 15 |
| 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

| | |
|--|---|
| <i>Recommended Usable Cube</i> ¹ (Cu Ft/Ft) | 3.54 ft ³ /ft (0.33 m ³ /m) |
| <i>AHRI Total Display Area</i> ² (Sq Ft/Ft) | 2.60 ft ² /ft (0.79 m ² /m) |
| <i>Shelf Area</i> 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, 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 | | | | | | 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

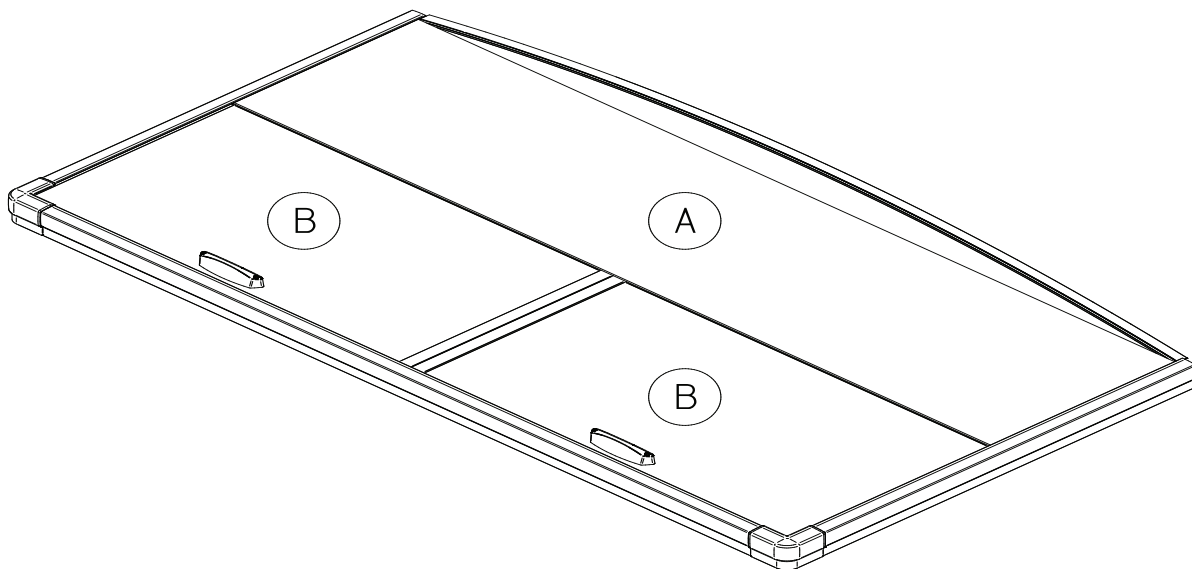
- A. Glass Assembly - FXD end case FW
- B. Glass Assembly - Door FWE



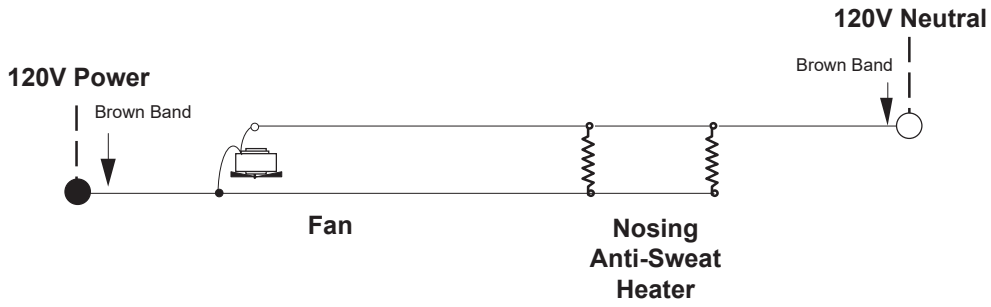
Scan the QR code on your mobile device to access additional product information or order parts.

Parts may also be ordered at:

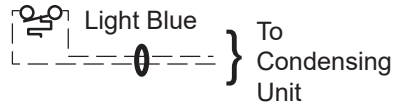
parts.hussmann.com
Call toll free: 1.855.487.7778



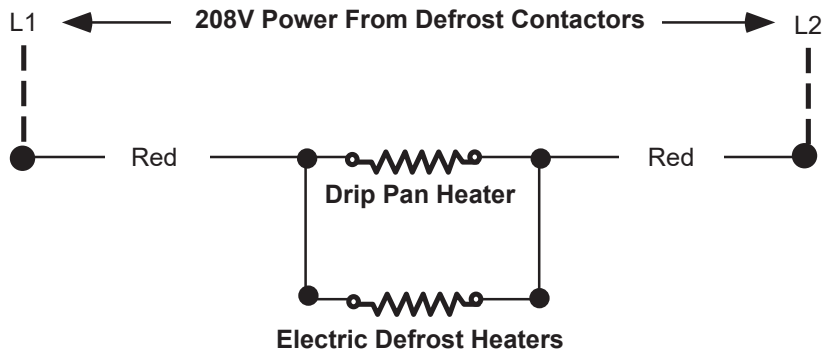
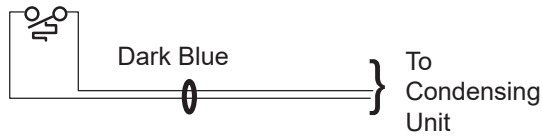
Electric Defrost – Standard



Refrigeration Thermostat (Optional)



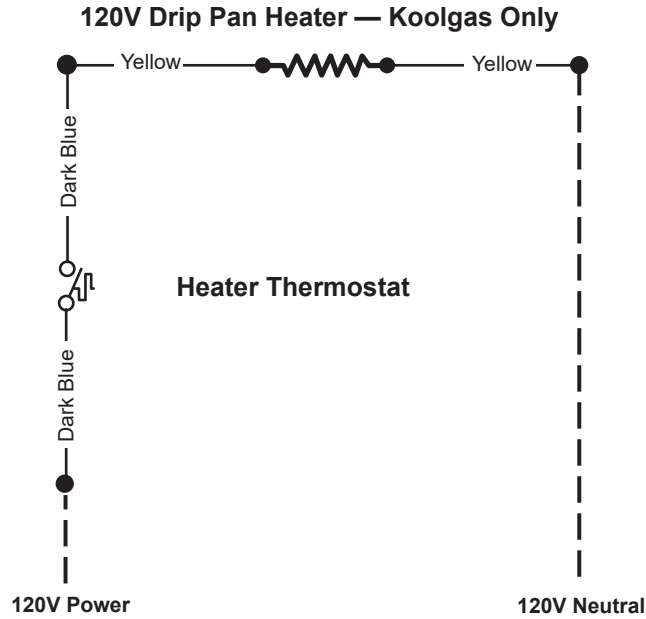
Defrost Termination Thermostat



WARNING

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

Gas Defrost – Optional



WARNING

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

Optional LED Lighting Wiring Diagrams

