

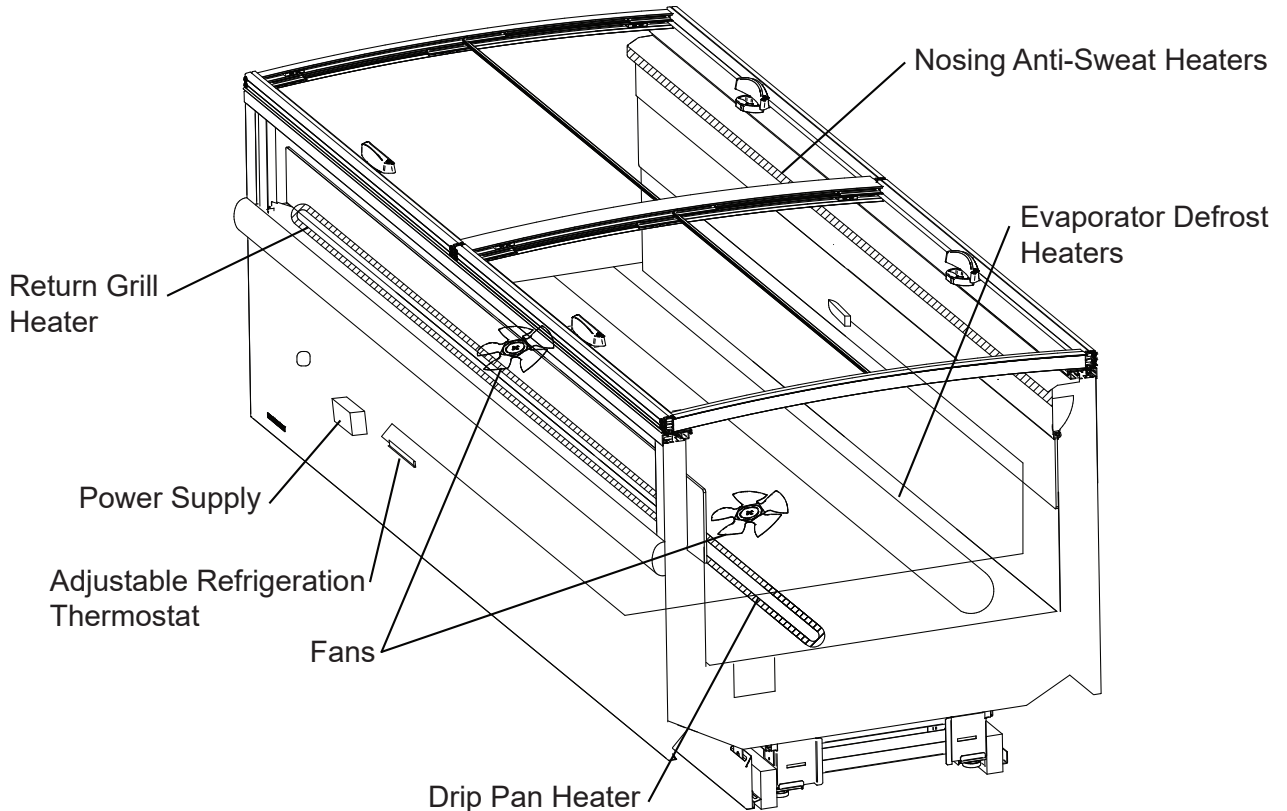
HUSSMANN[®] Excel



FN-GL
Technical Data Sheet
P/N 0523823_F

NSF[®] Certified
November 2021

DOE 2017
Energy Efficiency
Compliant



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Data sheet-Excel FN-GL

Note: Revision F: Removed 10 foot data.

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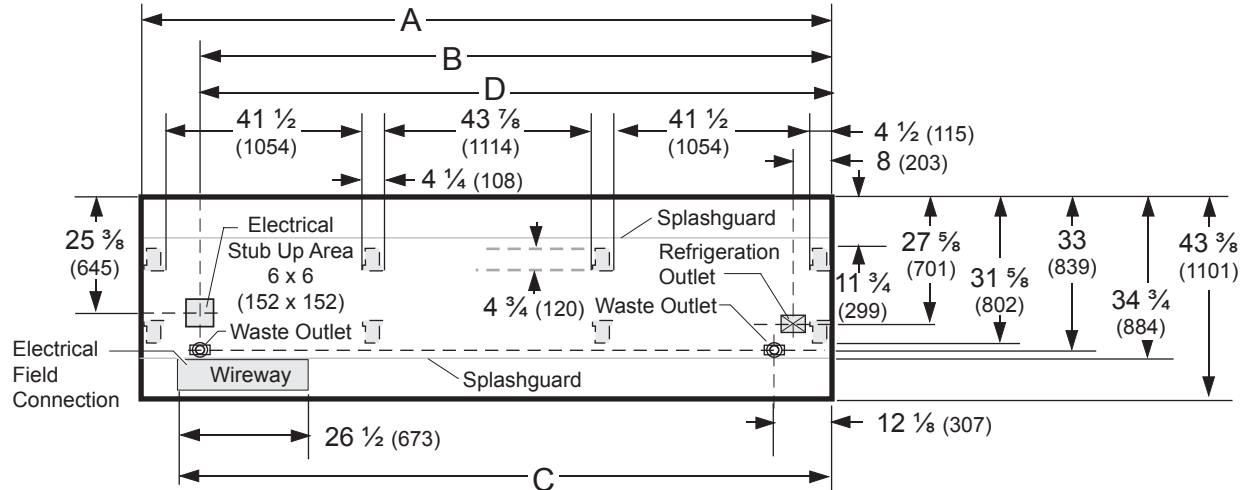
Engineering Plan Views

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

Narrow Island Frozen Food





02-2012

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> | 43 3/8 (1101) | 43 3/8 (1101) |
| Back of case to front of splashguard | 34 3/4 (884) | 34 3/4 (884) |
| Back of case to O/S edge of front leg | 31 5/8 (802) | 31 5/8 (802) |
| 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 | 25 3/8 (645) | 25 3/8 (645) |
| Length of electrical 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 | 33 (839) | 33 (839) |
| Schedule 40 PVC drip pipe | 1 1/4 (32) | 1 1/4 (32) |
| Refrigeration Outlet  | | |
| Back of case to center of refrigeration outlet | 27 5/8 (701) | 27 5/8 (701) |
| RH end of case to center of refrigeration outlet | 8 (203) | 8 (203) |

Narrow Island Display with Glass Walls and Lids



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

Excel FN-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.

| | MED | FF | IC |
|---------------------------|-----|-----|-----|
| Discharge Air (°F) | +32 | -10 | -16 |
| 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/ft* | MED | FF | IC |
|---------------------|-----|-----|-----|
| Parallel | 130 | 178 | 207 |
| Conventional | 135 | 186 | 216 |

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

DEFROST DATA

| | MED | FF | IC |
|----------------------------------|-----|------|------|
| Frequency (hr) | 24 | 24 | 24 |
| Defrost Water (lb/ft/day) | 0.3 | 0.29 | 0.25 |

(± 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

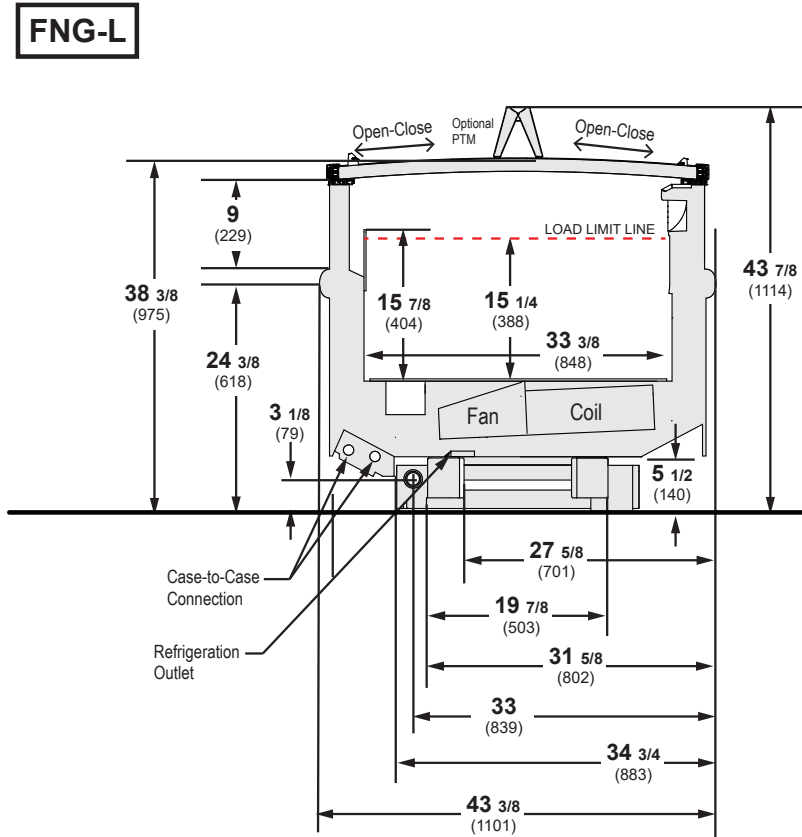
Low Pressure Backup Control — C/ICO **

| | |
|-----|---------------|
| 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).



FNG-L

Estimated Charge (lb)***

| | |
|--------------|-----|
| 8 ft | 2.0 |
| 12 ft | 3.0 |

***This is an average for all refrigerant types. Actual refrigerant charge may vary by approximately half a pound.

Length Added to Lineup by Each

End or Partition (in.) 2

NSF Certification

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

| |
|---|
| Excel FN-GL Low / Medium Temperature |
|---|

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 50/60Hz Standard Energy Efficient | 0.24 | 0.24 | 16 | 16 |
| 230V 50/60Hz Standard Energy Efficient | 0.12 | 0.12 | 16 | 16 |
| 230V 60Hz Export | 0.30 | 0.30 | 48 | 48 |
| 230V 50Hz Export | 0.36 | 0.36 | 54 | 54 |
| Anti-sweat Heaters (on fan circuit) | | | | |
| 120V 50/60Hz Standard | 0.34 | 0.52 | 41 | 62 |
| 230V 50/60Hz Export | 0.18 | 0.27 | 41 | 62 |
| Minimum Circuit Ampacity | | | | |
| 120V 50/60Hz Standard Energy Efficient | 0.78 | 0.96 | | |
| 230V 50/60Hz Standard Energy Efficient | 0.50 | 0.59 | | |
| 230V 60Hz Export | 0.68 | 0.77 | | |
| 230V 50Hz Export | 0.74 | 0.83 | | |
| Maximum Over Current Protection 120V | 20 | 20 | | |
| Maximum Over Current Protection 230V | 15 | 15 | | |
| Return Glass Anti-sweat Heaters | | | | |
| 120V 50/60Hz Standard | 0.08 | 0.11 | 9 | 13 |
| 230V 50/60Hz Export | 0.04 | 0.06 | 9 | 13 |
| Discharge Glass Anti-sweat Heaters | | | | |
| 120V 50/60Hz Standard | 0.46 | 0.66 | 55 | 79 |
| 230V 50/60Hz Export | 0.24 | 0.34 | 55 | 79 |
| 208V Electric Defrost | 7.69 | 11.54 | 1600 | 2400 |
| 230V Export Electric Defrost | 6.96 | 10.43 | 1600 | 2400 |
| 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) | 3.69 ft ³ /ft (0.34 m ³ /m) |
| AHRI Total Display Area ² (Sq Ft/Ft) | 3.35 ft ² /ft (1.02 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, 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

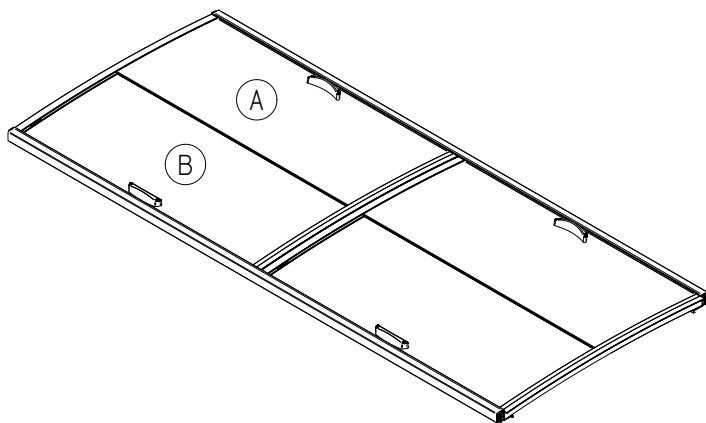
| Case | 8 ft | 12 ft | Solid End |
|----------------|------------|------------|-----------|
| | | | (each) |
| lb (kg) | 1140 (517) | 1400 (636) | 50 (23) |

⁴ Actual weights will vary according to optional kits included.

Glass Lid Replacement Parts

FN8GL, FN12GL GLASS ASSEMBLIES

- A. Glass Assembly - 4 foot Door FN Stopper
Glass Assembly - 4 foot L, R Door FN Stopper
 - B. Glass Assembly - 4 foot, FN
Glass Assembly - L, R, 4 foot, FN
- L, R door only apply when the flat end is used.

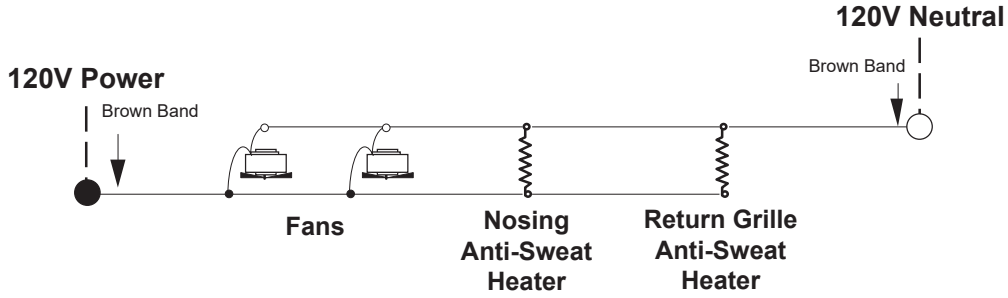


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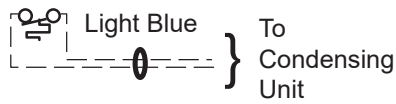
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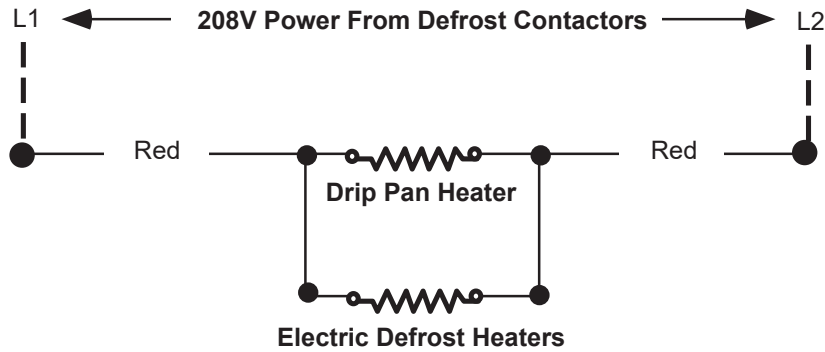
Electric Defrost – Standard



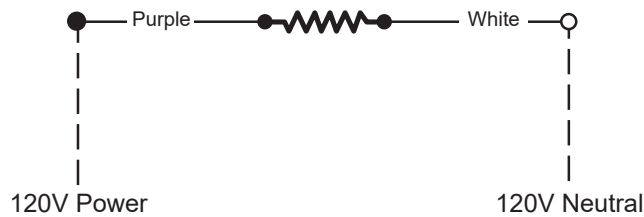
Refrigeration Thermostat (Optional)



Defrost Termination Thermostat



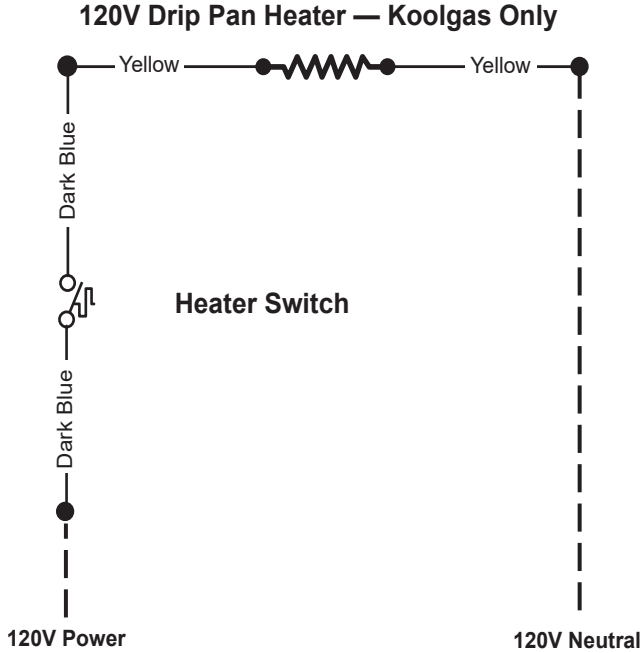
Return Class Anti-Sweat Heater



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.