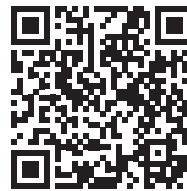


NSF Certification

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



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.

Note: Revision G: Updated refrigeration, electrical and product data; updated wiring diagrams.

Data sheet-Excel DDF5NX-L

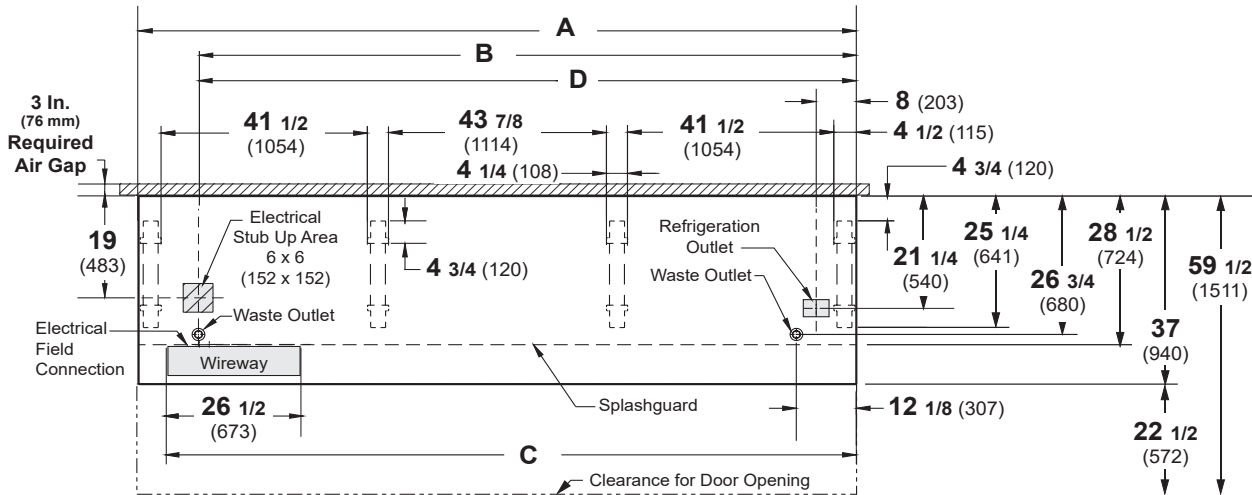
Engineering Plan Views

PHYSICAL DATA	
Merchandiser Drip Pipe (in.)	1 1/4
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	7/8

Dairy & Delicatessen

Dimensions shown as in. and (mm).

DDF5NX-L



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

	4 ft	6 ft
General		
(A) Case Length (without ends or partitions) <i>(Each end and insulated partition adds 1 1/2 in. (38 mm) to case line up.)</i>	48 3/8 (1229)	72 3/8 (1838)
Maximum O/S dimension of case back to front <i>(includes bumper)</i>	37 (940)	37 (940)
Back of case to front of splashguard	28 1/2 (724)	28 1/2 (724)
Back of case to O/S edge of front leg	25 1/4 (641)	25 1/4 (641)
Distance between edges of external legs and center legs	NA	NA
Distance between edges of center legs	NA	NA
Distance between front legs and splashguard	2 3/4 (70)	2 3/4 (70)
Electrical Service <i>(Electrical Field Wiring connection point)</i>		
(B) RH End of case to center of stub up area	36 1/4 (921)	60 1/4 (1530)
Back of case to center of stub up area	19 (483)	19 (483)
Length of electrical wireway	26 1/2 (673)	26 1/2 (673)
(C) RH End of case to LH end of wireway	42 1/8 (1070)	66 1/8 (1680)
Waste Outlets (One each end)		
(D) RH End of case to the center of LH waste outlet	36 1/4 (921)	60 1/4 (1530)
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	26 3/4 (680)	26 3/4 (680)
Schedule 40 PVC drip pipe	1 1/4 (32)	1 1/4 (32)
Refrigeration Outlet		
Back of case to center of refrigeration outlet	21 1/4 (540)	21 1/4 (540)
RH end of case to center of refrigeration outlet	8 (203)	8 (203)

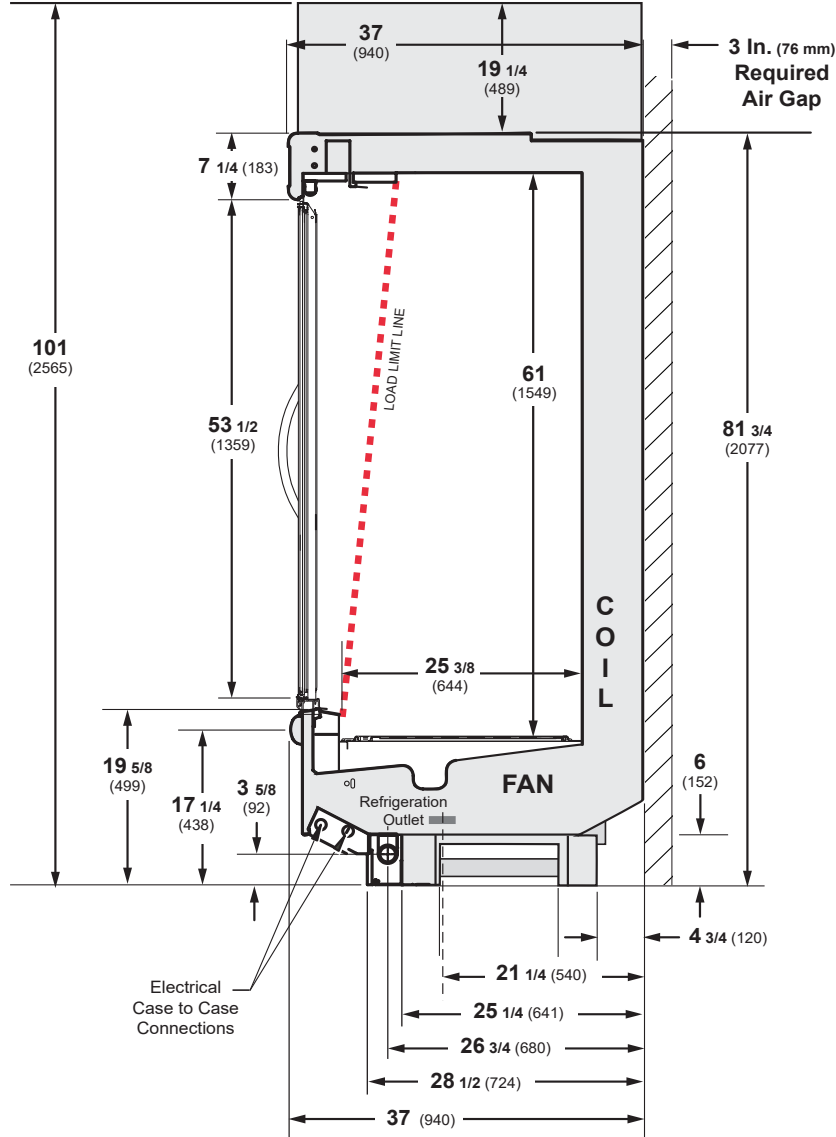
Narrow Footprint Multi-deck with Doors, 5 Display Levels, Low Front



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

Dimensions shown as in. and (mm).

DDF5NX-L



Working Charge¹

Total working charge with recommended Hussmann Air-Cooled condensing unit installed:

4 ft	2 lbs, 10 oz	/	1.18 kg
6 ft	3 lbs, 3 oz	/	1.45 kg

Total working charge with recommended HMDSLMT Water-Cooled condensing unit installed:

4 ft	3 lbs	/	1.36 kg
6 ft	3 lbs, 6 oz	/	1.54 kg

¹ The total refrigerant charge includes the case and condensing unit. Both ship pre-charged with a portion of the total refrigerant.

Excel DDF5NX-L
Dairy & Delicatessen

REFRIGERATION DATA

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

DDF5NX-L§	UNLIT	LIT	PEG*
Discharge Air °F	39	37	37
Evaporator °F	34	32	32
Unit Sizing °F	32	30	30

* Hussmann Peg Shelves (Deli only).

Btu/hr/ft — Unlit

DDF5NX-L§	UNLIT	LIT	PEG*
PARALLEL	261	271	292
CONVENTIONAL	269	279	301

‡ Lit data is for canopy and mullion lighting. Hussmann recommends against using lit shelves with EcoVision Doors.
§ 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.

DEFROST DATA

Frequency Hr	24
Defrost Water (lb/ft/day)	1.0
(± 15% based on case configuration and product loading).	

OFFTIME	DDF5NX-L
Time (minutes)	50

ELECTRIC OR GAS Not Recommended

CONVENTIONAL CONTROLS

Low Pressure Backup Control	
CI/CO**	DDF5NX-L
	35°F / 25°F

Indoor Unit Only, Pressure Defrost Termination**	40°F
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**Use a Temperature Pressure Chart to determine PSIG conversions.

Excel DDF5NX-L Dairy & Delicatessen
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Electrical Data

		4 ft	6 ft		
Number of Fans – 12W		1	—		
Number of Fans – 7W		—	2		
		Amperes		Watts	
		4 ft	6 ft	4 ft	6 ft
Evaporator Fans					
120V	50/60Hz	Standard Energy Efficient	0.30	0.38	18 28
230V	50/60Hz	Standard Energy Efficient	0.15	0.20	18 28
230V	60Hz	Export	0.33	0.50	50 78
230V	50Hz	Export	0.38	0.56	57 84
Minimum Circuit Ampacity					
120V	50/60Hz	Standard Energy Efficient	0.50	0.58	
230V	50/60Hz	Standard Energy Efficient	0.35	0.40	
230V	60Hz	Export	0.53	0.70	
230V	50Hz	Export	0.58	0.76	
Maximum Over Current Protection 120V			20	20	
Maximum Over Current Protection 230V			15	15	

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.

LED Canopy

1 Row	0.16	0.26	19.3	31.6
1 Row (HO)	0.22	0.33	26.5	39.5

Shelf

None

Mullion

48-in.	0.23	0.40	27.3	47.7
51-in.	0.29	0.54	35.0	65.1

Standard Lighting (T-8 fluorescent)

1 Row Canopy	0.26	0.51	30	59
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120V Lighting Circuit Total = Standard Lighting + Total Optional Lighting

120V LED Lighting Circuit Total = Total Canopy Lighting + Optional Mullion Lighting

230V Lighting Circuit Total = Multiply 120V Lighting Circuit Total by 0.52

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> ² (Cu Ft/Ft)	7.076 ft ³ /ft (0.87 m ³ /m)
<i>AHRI Total Display Area</i> ¹ (Sq Ft/Ft)	4.46 ft ² /ft (1.36 m ² /m)
<i>Shelf Area</i> ² (Sq Ft/Ft)	7.448 ft ² /ft (3.02 m ² /m)

¹ Computed using AHRI 1200 standard methodology: Total Display Area, ft² [m²]/Unit of Length, ft [m]

² Shelf Surface Area and Recommended Usable Cube are composed of bottom deck plus standard shelf complement, as shown in the Hussmann *Product Reference Guide*. The standard shelf complement for this model is (5) rows of 22-inch shelves.

ESTIMATED SHIPPING WEIGHT ⁴

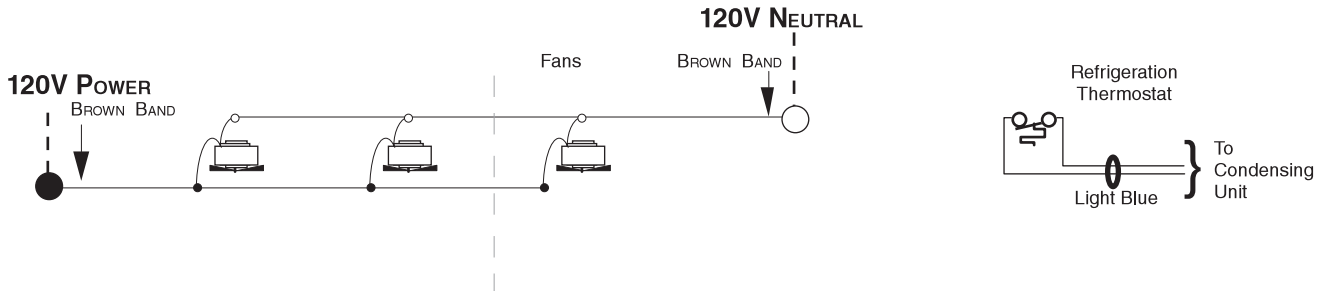
Case			Solid End
	<i>4 ft</i>	<i>6 ft</i>	<i>(each)</i>
lb (kg)	860 (390)	1070 (485)	100 (45)

⁴ Actual weights will vary according to optional kits included.

Fan Wiring Offtime Defrost

1, 2 & 3 Fans

- 4 ft — 1 Fan
- 6 ft — 2 Fans



WARNING

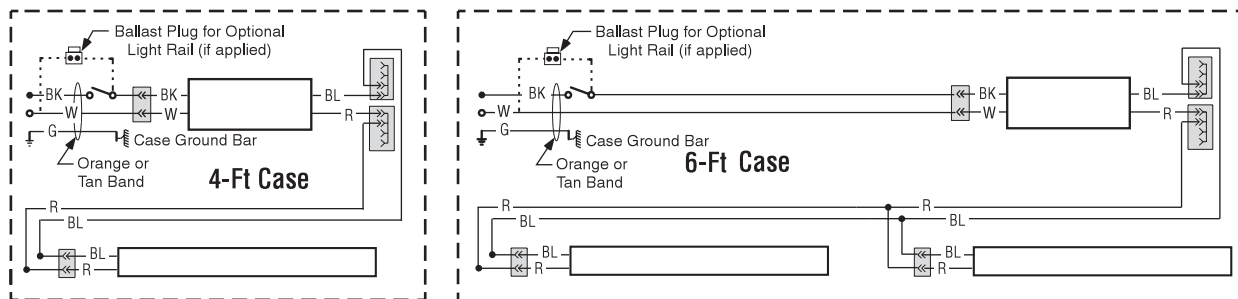
All components must have mechanical ground, and the merchandiser must be grounded.

R = Red Y = Yellow G = Green BL = Blue BK = Black W = White

● = 120V POWER ○ = 120V NEUTRAL ⊥ = FIELD GROUND ≡ = CASE GROUND

Optional Canopy Lighting LED Fixtures

LED Canopy Lighting — 1 Row



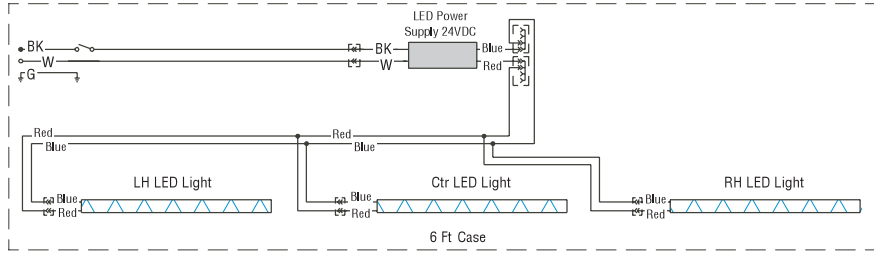
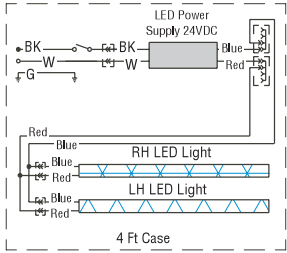
WARNING

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

R = Red Y = Yellow G = Green BL = Blue BK = Black W = White

● = 120V POWER ○ = 120V NEUTRAL ⊥ = FIELD GROUND ≡ = CASE GROUND

Optional Mullion Lighting LED Fixtures



WARNING

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

- R = Red Y = Yellow G = Green BL = Blue BK = Black W = White
 ● = 120V POWER ○ = 120V NEUTRAL ⚡ = FIELD GROUND ⤵ = CASE GROUND