

Coils, fans and TXVs are modular with one per 3 or 4 foot section.

12 foot merchandiser shown.

NSF Certification

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

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Data sheet-Excel PF2X

Note: Revision B: Updated refrigeration charges, page 3.

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.

Refrigeration Data ¹						
	PF2X	Optimal Shelf Life				
	Application	Bulk Produce				
	Discharge Air °F (°C)	39 (3.89)				
	Average Evaporator °F (°C) ²	34 (-1.11)				
Unlit Shelves	Unit Sizing °F (°C)	32 (0)				
Sileives	Parallel Btu/hr/ft (Watts/m)	840 (807)				
	Conventional Btu/hr/ft (Watts/m)	889 (853)				
	Discharge Air °F (°C)	39 (3.89)				
	Average Evaporator °F (°C) ²	34 (-1.11)				
Lit Shelves	Unit Sizing °F (°C)	32 (0)				
	Parallel Btu/hr/ft (Watts/m)	849 (814)				
	Conventional Btu/hr/ft (Watts/m)	899 (863)				

Notes:

1. All data based on store temperature and humidity that does not exceed NSF Type 1 ambient conditions of 75°F and 55% relative humidity except where noted.

2. 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		Total Wo	orking Refrigerant (Charge ⁴		
Frequency (hours between	defrost) 24					
Defrost Water ³	6 lb/ft/day	Air-Coole	d			
	(8.92 kg/m)	With Reco	mmended Condensing	g Unit Inst	talled	
³ (± 15% based on case cor	figuration and product	6 ft	3 lbs, 10 oz	/	1.63 kg	
loading).		8 ft	6 lbs, 2 oz	/	2.74 kg	
Offtime		12 ft	9 lbs, 13 oz	/	4.44 kg	
Time (minutes)	60				-	
		Water-Co	oled			
ELECTRIC OR GAS	Not Available	With Reco	mmended HMDSLMT	Condens	ing Unit Installed	
		6 ft	2 lbs, 10 oz	/	1.18 kg	
		8 ft	3 lbs, 8 oz	/	1.59 kg	
		12 ft	4 lbs, 10 oz	/	2.09 kg	
Conventional Contro	ls		,		Ű.	
Low Pressure Backup		⁴ The Total	Refrigerant Charge inclu	des the cas	se and condensing unit. Both	
Control CI/CO	17°F /7°F	ship pre-charged with a portion of the total refrigerant.				
	–8.3°C / –13.9°C					
Product Data						
Recommended Usab	6.97 ft³/ft (2.12 m³/m)					
AHRI Total Display A	rea ⁵ (Sq Ft/Ft)	3.96 ft²/ft	(1.20 m²/m)			

3.83 ft²/ft (1.18 m²/m)

⁵ Computed using AHRI 1200 standard methodology: Total Display Area, ft² [m²]/Unit of Length, ft [m]

⁶ Shelf Surface Area and Recommended Usable Cube is composed of bottom deck plus standard shelf complement for this model: (1) row of 16-in. shelves.

Shelf Area 6 (Sq Ft/Ft)

3 In. (76 mm)

Required

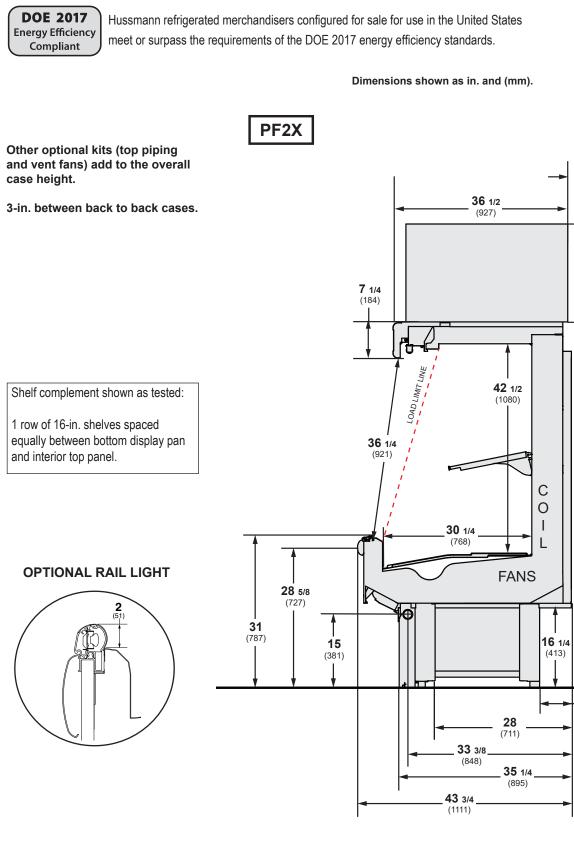
Air Gap

20 (508)

94 1/2

(2400)

74 1/2 (1892)

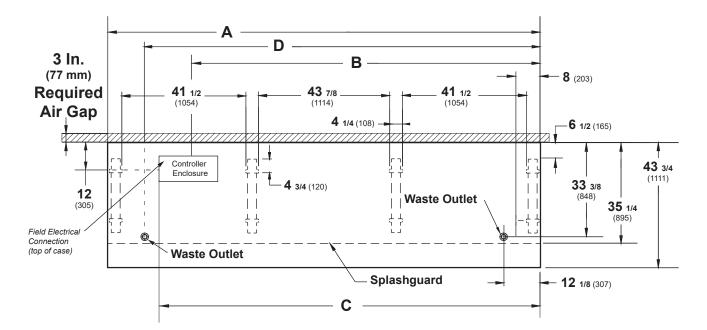


6 1/2 (165)





Dimensions shown as inches and (mm).



	6 ft	8 ft	12 ft
General			
(A) Case Length (without ends or partitions)	72 ³ /8 (1838)	96 ³ /8 (2448)	144 ¹ /2 (3670)
(Each end and insulated partition adds $1 \frac{1}{2}$ in. (38 mm) to case line up.)			
Maximum O/S dimension of case back to front			
(includes bumper)	43 ³ /4 (1111)	43 ³ / ₄ (1111)	43 3/4 (1111)
Back of case to front of splashguard	35 ¹ /4 (895)	35 ¹ /4 (895)	35 ¹ /4 (895)
Back of case to O/S edge of front leg	32 (813)	32 (813)	32 (813)
Distance between edges of external legs and center legs	29 ¹ /2 (750)	41 1/2 (1054)	41 1/2 (1054)
Distance between edges of center legs	NA	NA	43 7/8 (1114)
Distance between front legs and splashguard	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)
Electrical Service (Electrical Field Wiring connection point)			
(B) RH End of case to center of top electrical enclosure	48 (1219)	72 (1829)	120 1/8 (3051)
Back of case to center of top eletrical enclosure	12 (305)	12 (305)	12 (305)
Length of top electrical enclosure	24 1/8 (613)	24 1/8 (613)	24 1/8 (613)
(C) RH End of case to LH end of top electical enclosure	60 (1524)	84 (2134)	132 1/8 (3356)
Waste Outlets (One each end)			
(D) RH End of case to the center of LH waste outlet	60 ¹ /4 (1530)	84 1/4 (2140)	132 3/8 (3363)
RH End of case to the center of RH waste outlet	12 1/8 (307)	121/8 (307)	12 1/8 (307)
Back O/S of case to center of waste outlets	33 ³ /8 (848)	33 ³ /8 (848)	33 ³ /8 (848)
Schedule 40 PVC drip pipe	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)

Electrical Data

Electrical Data				Excel PF2X
Number of Fans	6ft	8 ft	12 ft	Bulk Produce
8 in. (7W)	-	2	3	
7 in. (4W)	2	-	-	

				Ampere	s		Watts	
Evapora	tor Fan		6 ft	8 ft	12 ft	6ft	8 ft	12 ft
120V	50/60Hz	Energy Efficient	0.24	0.38	0.57	16	28	42
Minimur	n Circuit A	Ampacity						
120V	50/60Hz	Energy Efficient	0.44	0.58	0.77			
Maximu	m Over Cı	Irrent Protection						
120V			20	20	20			

Lighting

Only lighting configurations that are compliant with the U.S. Dept. of Energy (DOE) 2017 regulation are availableFOR SALE FOR USE IN THE U.S.A.

		Amperes	S			Watts		
	6 ft	8 ft	12 ft		6 ft	8 ft	12 ft	
STANDARD LIGHTING								
Ultra Canopy								
1 Row	0.16	0.26	0.32	0.48	19	31	43	64
Canopy								
1 Row	0.16	0.26	0.32	0.48	19	32	39	58
1 Row HO	0.22	0.33	0.44	0.66	27	40	53	79
Shelf								
1 Row of Shelves	0.08	0.12	0.16	0.25	10	14	20	30
2 Rows of Shelves	0.16	0.23	0.33	0.49	20	28	40	59
3 Rows of Shelves	0.25	0.35	0.49	0.74	30	42	59	89
Rail Light								
1 Row	0.08	0.12	0.16	0.25	10	14	20	30

120V Lighting Circuit Total = Standard Lighting + Total Optional Lighting + Optional Shelf Lighting 230V Lighting Circuit Total = Multiply 120V Lighting Circuit Total by 0.52

ENDS or PARTITIONS

Each standard end and each insulated partition adds 1 ¹/₂ in. (38 mm) to case line up. Optional view end with end bumper adds 3 ³/₄ in. (95 mm).

PHYSICAL DATA	
Merchandiser Drip Pipe (in.)	1 ¹ / ₄
Schedule 40 PVC	
Merchandiser Liquid Line (in.)	³ /8
Merchandiser Suction Line (in.)	⁷ /8

ESTIMATED SHIPPING WEIGHT †

Case				Solid End
	6 ft	8 ft	12 ft	(each)
lb (kg)	800 (363)	1000 (454)	1200 (544)	75 (34)
† Actual weights will va	ry according to optional	kits included		

Shelf Options

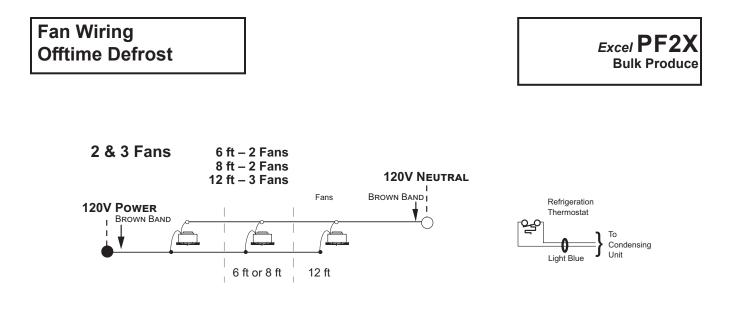
Approved shelf sizes for standard (horizontal, 2-3 position brackets) displays:

12-inch 14-inch 16-inch

18-inch

Contact engineering for non-standard (4 position brackets or other) display recommendations.

Standard shelf complement for test purposes: (1) 16-in. shelf, evenly distributed vertically



WARNING

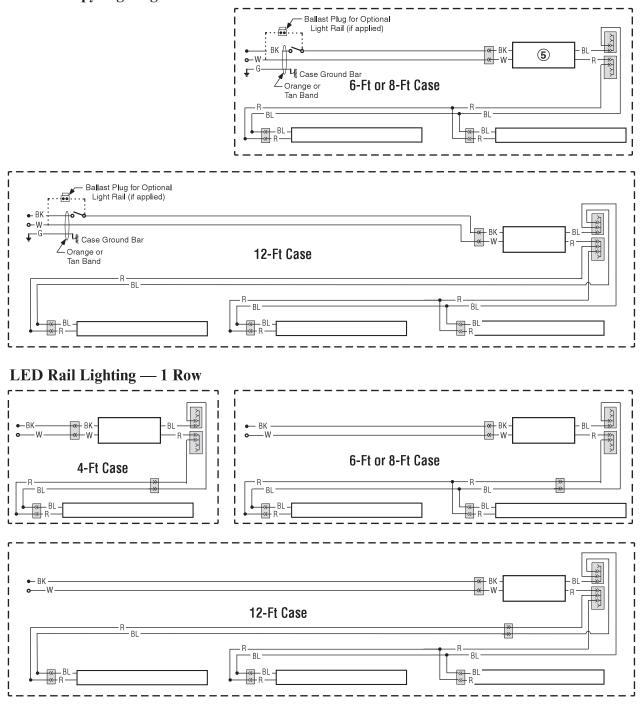
All components must have mechanical ground, and the merchandiser must be grounded.

R = Red	Y = Yellow	G = Green	BL = Blue	BK = Black	W = White
• = 120V P	ower 0 = 12	0V NEUTRAL	$\frac{1}{2}$ = FIELD G	GROUND mm	= Case Ground

Excel **PF2X** Bulk Produce

Optional Canopy & Rail Light Circuits LED Fixtures

LED Canopy Lighting — 1 Row

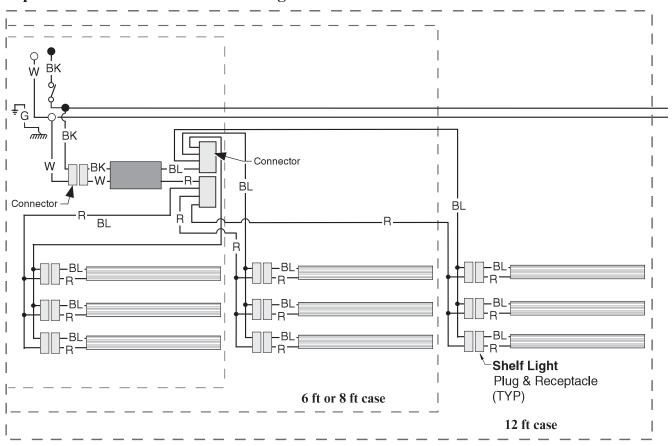


WARNING

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

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

• = 120V Power \bigcirc = 120V Neutral $\frac{1}{2}$ = Field Ground \overrightarrow{mm} = Case Ground



Optional Shelf Harness and LED Light Circuits for 2 or 3 Rows of Shelves

WARNING

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

 $R = Red \qquad G = Green \qquad BL = Blue \qquad BK = Black \qquad W = White$ $= 120V Power \qquad \bigcirc = 120V NEUTRAL \qquad \downarrow = FIELD GROUND \qquad mm = CASE GROUND$

Bulk Produce

Excel PF2X

Estimating Refrigeration and Electrical Load (for comparison purposes only)

Case Btu

To determine Btu for a case, refer to the performance data chart on page 2. Select lit or unlit shelves, then select the type of remote refrigeration system (parallel or conventional), which will give Btu/hr/ft. Multiply this number by the length of the case to determine Btu per hour.

Case Electrical

Refer to store legend to determine number of circuits. Lighting should be specified in store legend.

Fan electrical load for a case is computed by selecting the case length and fan voltage on page 5. For example, a 12 ft case uses 3 fans. The store legend specifies fans on a 230V circuit. In this instance, fans use 0.50 Amps and the MCA is 0.70. When applied, ambient fans, anti-sweat heaters, controllers, etc. must be included in the MCA. Include lights in the MCA if lights are on same circuit.

Lights may be on a separate circuit. To estimate lighting load: select case length (12 ft), canopy lighting [standard or optional] (here 0.70 for standard), and shelf or rail lighting [maximum for which case is wired] (1.48 for six shelves); then add together [0.48 + 1.48 = 1.96 amps for 120V] (for 230V, multiply 1.96 * 0.52 = 1.02).

Line Sizing — Refer to store legend.

Hussmann Line Sizing Charts are engineered for use with Hussmann refrigeration equipment.



Scan the QR code with 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

Revision History

Revision A: April 2020: Original Issue.

Revision B: Updated refrigeration charges, page 3.