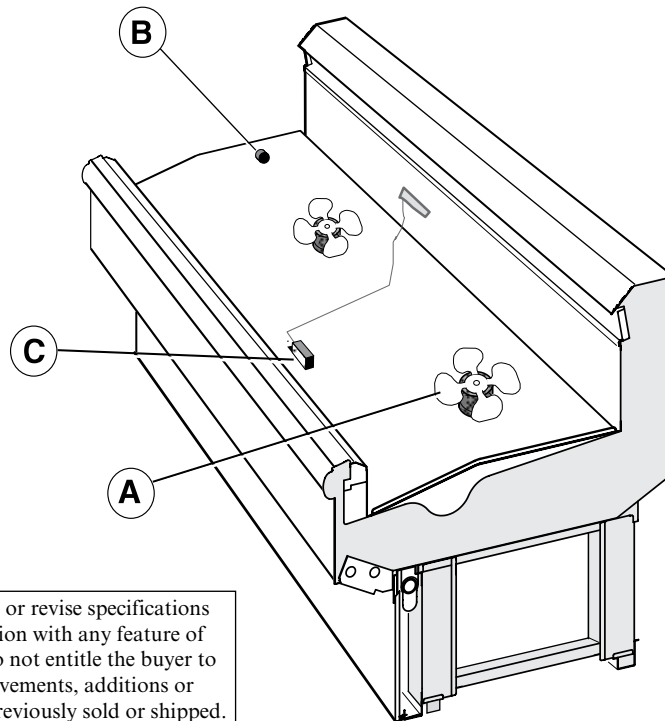


October 2016

This display merchandiser is not for the display of potentially hazardous foods.

DOE 2017
Energy Efficiency
Compliant



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.

| Item | Part # | Description | Wiring Item # | Item | Part # | Description | Wiring Item # |
|-------------------------|---|------------------------------------|---------------|---------------------------|--|-------------|---------------|
| FAN ASSEMBLIES | | | | THERMOSTATS | | | |
| 8 Ft & 12 Ft | | | | | | | |
| A. | 4W Standard Energy Efficient Fan Assembly (1) | | | B. | Optional Adjustable Refrigeration Thermostat | | (2) |
| | 0477653 | Fan Motor, Evaporator (MO.4410544) | | | | | |
| | 0464847 | Fan Blade (FB.4780649) | | LAMPS AND BALLASTS | | | |
| 6 Ft Only | | | | None | | | |
| A. | 4W Standard Energy Efficient Fan Assembly (1) | | | | | | |
| | 0477653 | Fan Motor, Evaporator (MO.4410544) | | | | | |
| | 0252116 | Fan Blade (FB.4780611) | | | | | |

Data sheet-Excel-P1X50-EP

Note: Revision H: Added high glide refrigerant note. Other changes marked by bar, underline or circle.

Engineering Plan Views

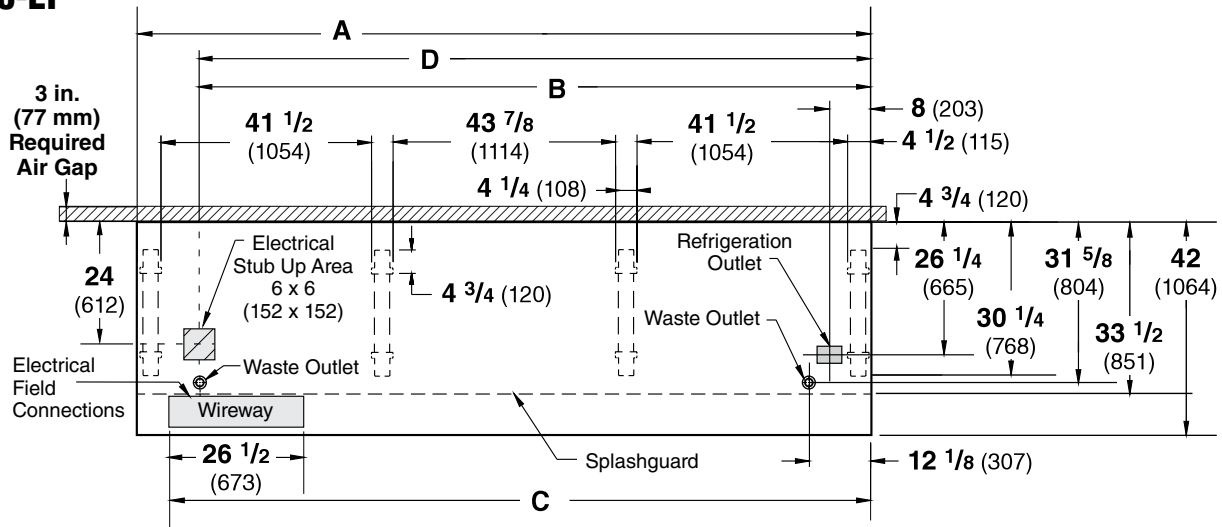
| PHYSICAL DATA | |
|---------------------------------|-------|
| Merchandiser Drip Pipe (in.) | 1 1/4 |
| Merchandiser Liquid Line (in.) | 3/8 |
| Merchandiser Suction Line (in.) | 5/8 |

Bulk Produce

09-2005





Dimensions shown as in. and (mm).

P1X50-EP



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

FRONT

| | 6 ft | 8 ft | 12 ft |
|--|---------------|---------------|----------------|
| General | | | |
| (A) Case Length (<i>without ends or partitions</i>) (Each end and insulated partition adds 1 1/2 in. (38 mm) to case line up.) Maximum O/S dimension of case back to front (includes bumper) | 72 3/8 (1838) | 96 3/8 (2448) | 144 1/2 (3670) |
| Back of case to front of splashguard | 42 (1064) | 42 (1064) | 42 (1064) |
| Back of case to O/S edge of front leg | 33 1/2 (851) | 33 1/2 (851) | 33 1/2 (851) |
| 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  (<i>Electrical Field Wiring connection point</i>) | | | |
| (B) RH End of case to center of stub up area | 60 1/4 (1530) | 84 1/4 (2140) | 132 3/8 (3363) |
| Back of case to center of stub up area | 24 (612) | 24 (612) | 24 (612) |
| Length of electrical wireway  | 26 1/2 (673) | 26 1/2 (673) | 26 1/2 (673) |
| (C) RH End of case to LH end of wireway | 66 1/8 (1680) | 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 | 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) | 12 1/8 (307) | 12 1/8 (307) |
| Back O/S of case to center of waste outlets | 31 5/8 (804) | 31 5/8 (804) | 31 5/8 (804) |
| Schedule 40 PVC drip pipe | 1 1/4 (32) | 1 1/4 (32) | 1 1/4 (32) |
| Refrigeration Outlet  | | | |
| Back of case to center of refrigeration outlet | 26 1/4 (665) | 26 1/4 (665) | 26 1/4 (665) |
| RH end of case to center of refrigeration outlet | 8 (203) | 8 (203) | 8 (203) |

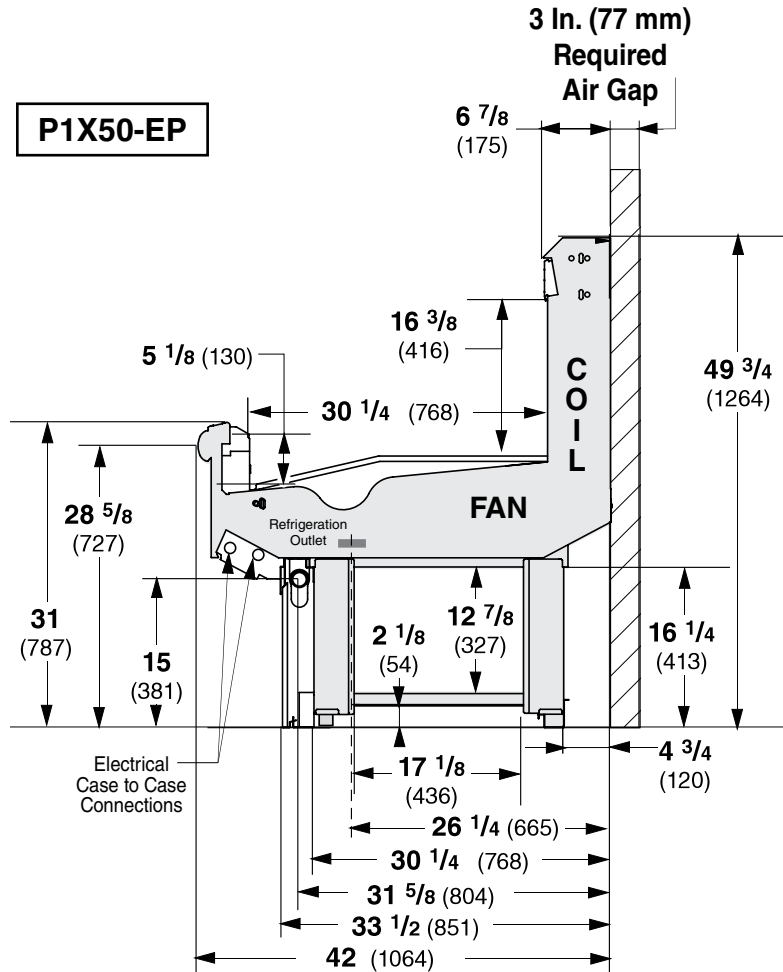
Single Deck, 1 Display Level



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 P1X50-EP
Bulk Produce*

Dimensions shown as inches and (mm).



| Estimated Charge** | | P1X50-EP | |
|--------------------|--------|----------|--------|
| 6 ft | 1.4 lb | 22 oz | 0.6 kg |
| 8 ft | 2.0 lb | 32 oz | 0.9 kg |
| 12 ft | 2.6 lb | 42 oz | 1.2 kg |

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

NSF Certification

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

*As a Bulk Produce display refrigerator, it is not designed for critical temperature requirements. The merchandiser is labeled: "This display refrigerator is not for the display of potentially hazardous foods".

REFRIGERATION DATA

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

| | P1X50-EP§ |
|--|-----------|
| Discharge Air (°F) | 31 |
| Evaporator (°F) | 28 |
| Unit Sizing (°F) | 26 |
| § 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. | |
| <i>Btu/hr/ft</i> | P1X50-EP |
| Parallel | 545 |
| Conventional | 580 |

DEFROST DATA

| | P1X50-EP |
|--|----------|
| Frequency (hr) | 8 |
| Defrost Water (lb/ft/day) | 4 |
| (± 15% based on case configuration and product loading). | |
| <i>OFFTIME</i> | P1X50-EP |
| Time (minutes) | 35 |

ELECTRIC OR GAS Not Recommended

CONVENTIONAL CONTROLS

| | |
|------------------------------------|-------------|
| Low Pressure Backup Control | |
| | P1X50-EP |
| CJCO* | 21°F / 11°F |

Indoor Unit Only, Pressure Defrost

Termination* 48°F

*Use a Temperature Pressure Chart to determine PSIG conversions.

Excel P1X50-EP**Bulk Produce****Electrical Data**

| | 6 ft | 8 ft | 12 ft |
|--------------------------|-------------|-------------|--------------|
| Number of Fans—4W | 2 | 2 | 3 |

| | | | Amperes | | | Watts | | |
|-----------------------|---------|---------------------------|----------------|-------------|--------------|--------------|-------------|--------------|
| | | | 6 ft | 8 ft | 12 ft | 6 ft | 8 ft | 12 ft |
| Evaporator Fan | | | | | | | | |
| 120V | 50/60Hz | Standard Energy Efficient | 0.24 | 0.24 | 0.36 | 16 | 16 | 24 |
| 230V | 50/60Hz | Standard Energy Efficient | 0.12 | 0.12 | 0.18 | 16 | 16 | 24 |
| 230V | 60Hz | Export | 0.30 | 0.30 | 0.45 | 48 | 48 | 72 |
| 230V | 50Hz | Export | 0.36 | 0.36 | 0.54 | 54 | 54 | 81 |

Minimum Circuit Ampacity

| | | | | | |
|------|---------|---------------------------|------|------|------|
| 120V | 50/60Hz | Standard Energy Efficient | 0.44 | 0.44 | 0.56 |
| 230V | 50/60Hz | Standard Energy Efficient | 0.32 | 0.32 | 0.38 |
| 230V | 60Hz | Export | 0.50 | 0.50 | 0.65 |
| 230V | 50Hz | Export | 0.56 | 0.56 | 0.74 |

| | | | |
|---|-----------|-----------|-----------|
| Maximum Over Current Protection 120V | 20 | 20 | 20 |
| Maximum Over Current Protection 230V | 15 | 15 | 15 |

Product Data

| | |
|--|---|
| <i>Recommended Usable Cube</i> ¹ (Cu Ft/Ft) | 1.75 ft ³ /ft (0.16 m ³ /m) |
| <i>AHRI Total Display Area</i> ² (Sq Ft/Ft) | 2.88 ft ² /ft (0.88 m ² /m) |
| <i>Shelf Area</i> ³ (Sq Ft/Ft) | 2.53 ft ² /ft (0.77 m ² /m) |

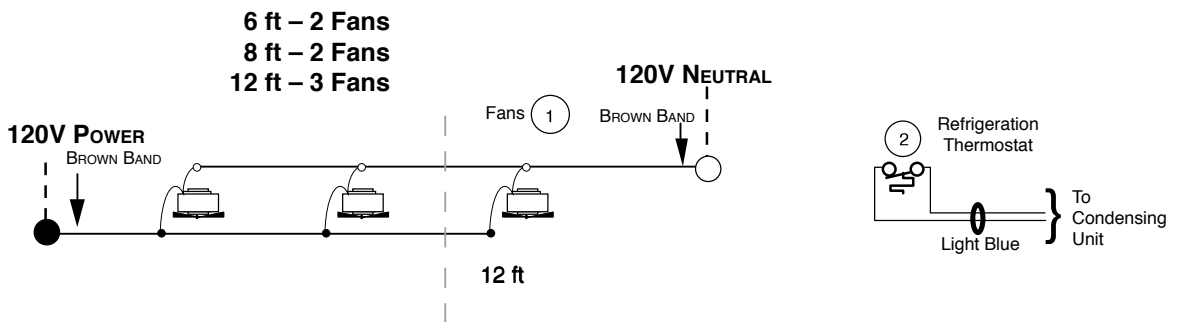
- ¹ AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume/Unit of Length, ft³/ft [m³/m]
- ² Computed using AHRI 1200 standard methodology: Total Display Area, ft² [m²]/Unit of Length, ft [m]
- ³ Shelf surface area is composed of bottom deck plus standard shelf complement, as shown in the Hussmann *Product Reference Guide*. The standard shelf complement for this model is NONE.

ESTIMATED SHIPPING WEIGHT ⁴

| Case | | | | Solid End |
|---------|-----------|-----------|------------|-----------|
| | 6 ft | 8 ft | 12 ft | (each) |
| lb (kg) | 700 (318) | 900 (408) | 1000 (454) | 50 (23) |

⁴ Actual weights will vary according to optional kits included.

**Fan Wiring
Offtime Defrost**



WARNING

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

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

● = 120V POWER ○ = 120V NEUTRAL