

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 # |
|--|---------|--|---------------|
| FAN ASSEMBLIES, AND THERMOSTATS | | | |
| (A) | 0047000 | Fan Motor, Evaporator (MO.4410103) | (1) |
| | 0141070 | Fan Blade (FB.0141070) Embossing toward motor | |

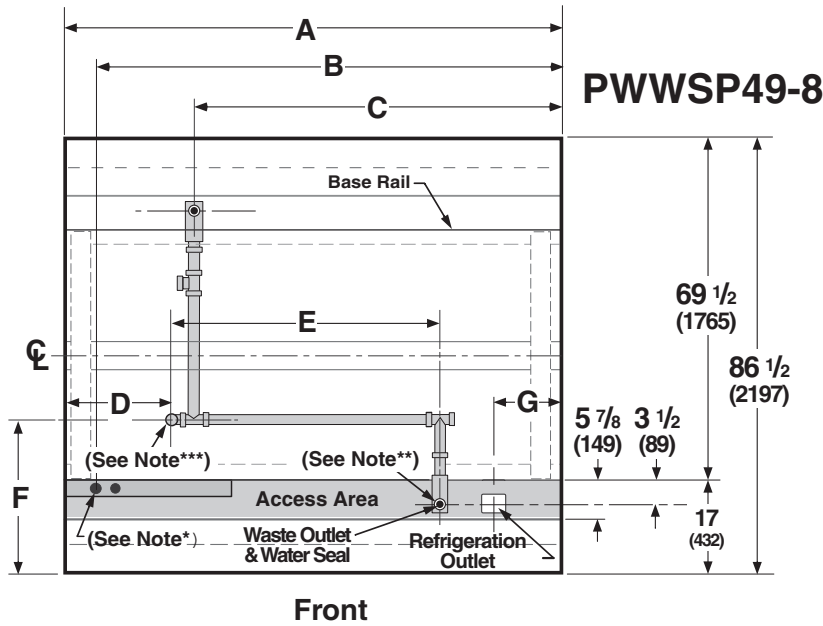
NOTE: Revision B added 4 ft information.

Engineering Plan Views






86 Inch Wide Island with 49 Inch Center Flue All Produce

07-2003

Dimensions are shown as inches & (mm).



Front

| General | 4 Ft | 6 Ft | 8 Ft | 12 Ft |
|---|---------------|---------------|---------------|----------------|
| (A) Case length | 48 1/4 (1226) | 72 1/4 (1835) | 96 3/8 (2448) | 144 1/2 (3670) |
| Maximum outside dimension of case back to front (includes bumper) | 86 1/2 (2197) | 86 1/2 (2197) | 86 1/2 (2197) | 86 1/2 (2197) |
| Front of splashguard to outside edge of base rail | 5 7/8 (149) | 5 7/8 (149) | 5 7/8 (149) | 5 7/8 (149) |
| Back of case to outside edge of front base rail | 69 1/2 (1765) | 69 1/2 (1765) | 69 1/2 (1765) | 69 1/2 (1765) |
| Front of case to outside edge of front base rail | 17 (432) | 17 (432) | 17 (432) | 17 (432) |
| Width of base rail | 2 1/8 (54) | 2 1/8 (54) | 2 1/8 (54) | 2 1/8 (54) |
| Stub up area between front base rail and splashguard | 4 7/8 (124) | 4 7/8 (124) | 4 7/8 (124) | 4 7/8 (124) |
| Electrical Service  | | | | |
| (B) Righthand end of case to center of farthest knockout | 47 1/4 (1202) | 71 1/4 (1810) | 95 3/8 (2423) | 143 5/8 (3650) |
| Length of electrical raceway | 11 7/8 (303) | 34 5/8 (878) | 34 5/8 (878) | 34 5/8 (878) |
| <i>*Note: Electrical field wiring connection point.</i> | | | | |
| Waste Outlet  | | | | |
| (C) Right end of case to center of waste outlet | 24 1/8 (613) | 46 5/8 (1184) | 72 1/4 (1835) | 72 1/4 (1835) |
| Water Seal  | | | | |
| Edge of water seal to center of waste outlet | 4 (102) | 4 (102) | 4 (102) | 4 (102) |
| Center of waste outlet to outside edge of front base rail | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) |
| <i>** Note: Field installed water seal outlets, tees, and connectors are shipped with case.</i> | | | | |
| Drip Pipe Outlet  | | | | |
| (D) Left end of case to center of drip pipe outlet | 20 3/8 (517) | 19 1/2 (495) | 19 1/2 (495) | 68 1/2 (1740) |
| (E) Center of waste outlet to center of drip pipe outlet | 3 3/4 (95) | 24 3/4 (629) | 51 7/8 (1318) | 3 3/4 (95) |
| (F) Front of case to center of drip pipe outlet | 24 7/8 (632) | 25 7/8 (657) | 25 7/8 (657) | 24 7/8 (632) |
| Outside diameter of drip pipe lines | 1 1/2 (38) | 1 1/2 (38) | 1 1/2 (38) | 1 1/2 (38) |
| <i>***Note: Field drip pipe connection point.</i> | | | | |
| Refrigeration Outlet  | | | | |
| (D) Right end of case to center of refrigeration outlet | 9 (230) | 9 (230) | 9 (230) | 9 (230) |
| Center of refrigeration outlet to outside edge of front base rail | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) |

Impact PWWSP49
All Produce

REFRIGERATION DATA

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

| | |
|---------------------------|------------------------|
| | PWWSP49 |
| Discharge Air (°F) | 34 |
| Evaporator (°F) | 21 |
| Unit Sizing (°F) | 19 |
| | |
| Btu/hr/ft Parallel | PWWSP49 1645 |
| Conventional | 1880 |

DEFROST DATA

| | |
|---|----------------|
| | PWWSP49 |
| Frequency (hr) | 6 |
| Defrost Water (lb/ft/day) | 9 |
| <small>(± 15% based on case configuration and product loading).</small> | |

| | |
|---------------------------|----------------|
| OFFTIME | PWWSP49 |
| Temp Term (°F) | N/A |
| Failsafe (minutes) | 35 |

CONVENTIONAL CONTROLS

| | |
|------------------------------------|----------------|
| Low Pressure Backup Control | PWWSP49 |
| CI/CO* | 17°/7° F |

Indoor Unit Only, Pressure Defrost Termination* 48° F

*Use a Temperature Pressure Chart to determine PSIG conversions.

PHYSICAL DATA

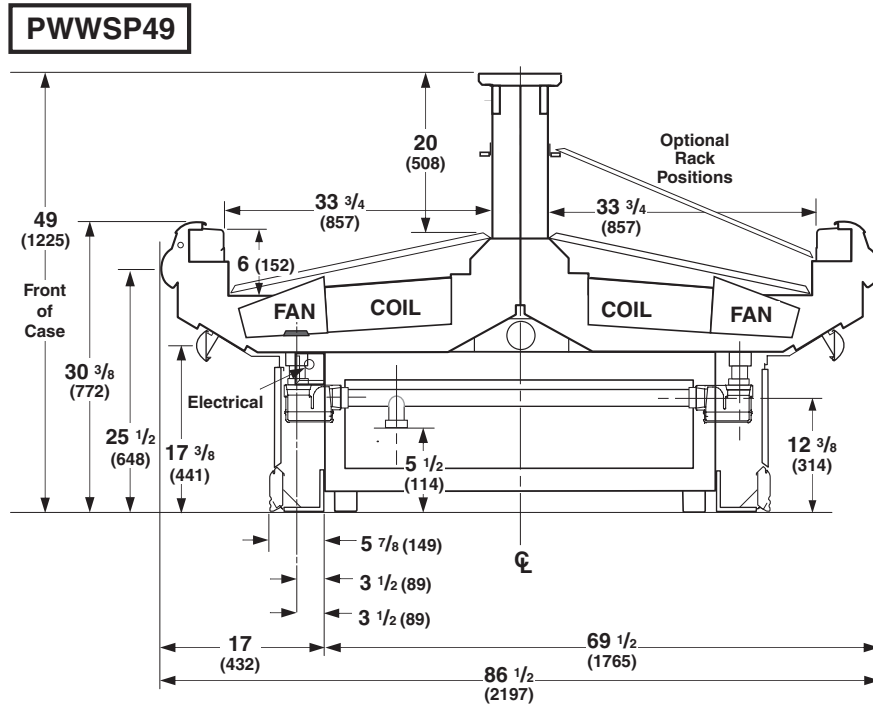
| | |
|-------------------------------------|-------|
| Merchandiser Drip Pipe (in.) | 1 1/2 |
| Liquid Line (in.) | 3/8 |
| Suction Line (in.) | 7/8 |

| | |
|--------------------------------|----------------|
| Estimated Charge (lb)** | PWWSP49 |
| 4 ft | 2.7 |
| 6 ft | 4.4 |
| 8 ft | 5.4 |
| 12 ft | 7.8 |

**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/Partition (in.) | 1 1/2 |
|---|-------|

Dimensions are shown as inches & (mm).



NSF Certification

These merchandisers are manufactured to meet ANSI /National Sanitation Foundation (NSF®) Standard #7 requirements.

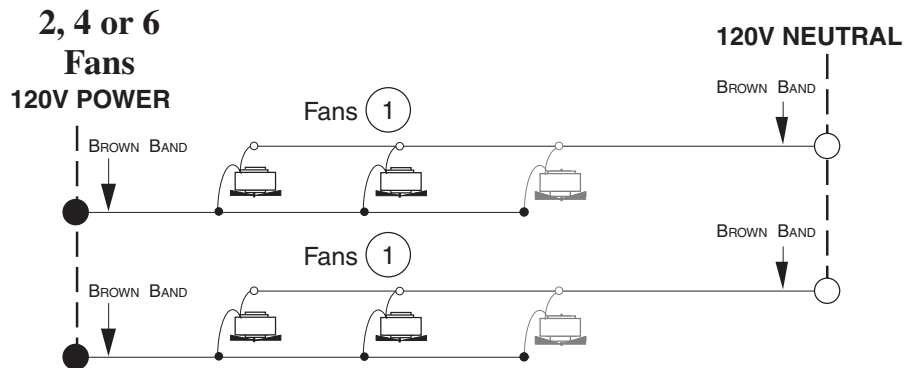
Impact PWWSP49
All Produce

Electrical Data

| | | | | | | | | |
|---|--------------------------|-------------|--------------------------------|--------------|-------------|-------------|--------------|--------------|
| Number of Fans | <u>4 ft</u> | 6 ft | 8 ft | 12 ft | | | | |
| Refrigeration — 9W | <u>2</u> | 4 | 4 | 6 | | | | |
| Refrigeration — 9W (Export) | | NA | | | | | | |
| | | | Amperes | | | | Watts | |
| Merchandiser | <u>4 ft</u> | 6 ft | 8 ft | 12 ft | <u>4 ft</u> | 6 ft | 8 ft | 12 ft |
| Fans (Refrigeration) | | | | | | | | |
| Standard (120V 60Hz) | <u>1.4</u> | 2.8 | 2.8 | 4.2 | <u>110</u> | 220 | 220 | 330 |
| Energy Efficient (120V 60Hz) | | NA | | | | | | |
| Export (230V 50 Hz) | | NA | | | | | | |
| Minimum Circuit Ampacity | | | | | | | | |
| With Standard Fans (120V 60Hz) | <u>1.6</u> | 3.0 | 3.0 | 4.4 | | | | |
| With Energy Efficient Fans (120V 60Hz) | | NA | | | | | | |
| With Export Fans (230V 50 Hz) | | NA | | | | | | |
| Maximum Over Current Protection 120V | <u>20</u> | 20 | 20 | 20 | | | | |
| Maximum Over Current Protection 230V | | NA | | | | | | |
| Standard Lighting | Optional Lighting | | Optional Shelf Lighting | | | | | |
| None | None | | None | | | | | |

Fan Wiring
Offtime Defrost

4 ft case has 2 Fans
6 ft case has 4 Fans
8 ft case has 4 Fans
12 ft case has 6 Fans



WARNING

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

Circled Numbers = Parts List Item Numbers

Grayed components in 12 foot models only.

● = 120V POWER ○ = 120V NEUTRAL