

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 AND THERMOSTATS | | | | LAMPS AND BALLASTS | | | |
| A. | 7W Standard | Fan Assembly | (1) | D. | Ballast, Electronic | | (3) |
| | 0058698 | Fan Motor, Evaporator (MO.44101020) | | | 0466234 | 2 lamps (BA.4480823) | |
| | 0142780 | Fan Blade (FB.0142780) embossing toward motor | | | 0466235 | 3 lamps (BA.4480901) | |
| | | | | | 0466236 | 4 lamps (BA.4481095) | |
| A. | 7W Energy Efficient | Fan Assembly | (1) | E. | Fluorescent Lamp | | (5) |
| | 0477654 | Fan Motor, Evaporator (MO.4410545) | | | <i>Replace with like fixtures</i> | | |
| | 0142780 | Fan Blade (FB.0142780) embossing toward motor | | | | | |
| B. | 0411744 | Standard Non-adjustable Defrost Thermostat (CT.0411744) | (2) | | | | |
| C. | 0353949 | Optional Adjustable Refrigeration Thermostat (CT.4481087) | (3) | | | | |

Note: Rev. B adds Aftermarket part numbers on page 1; Btu note on page 3; other changes are underlined.

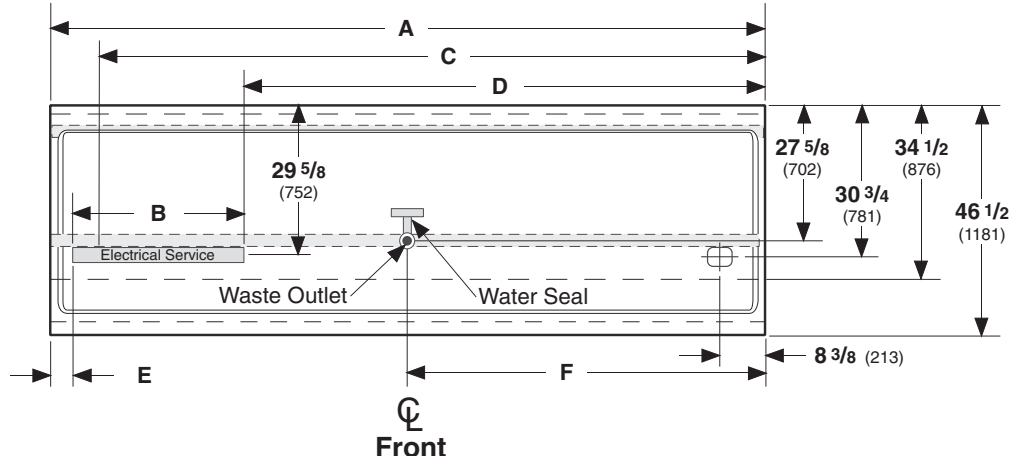






Engineering Plan Views

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

Dimensions shown as inches and (mm).

E2S
Meat, Delicatessen
Precut & Packaged
Produce
41 In. High
 09-2005



| | 4 ft | 6 ft | 8 ft | 12 ft |
|---|---------------|---------------|---------------|----------------|
| General | | | | |
| (A) Case Length (<i>without ends or partitions</i>) | 48 1/8 (1222) | 72 1/8 (1832) | 96 1/4 (2445) | 144 3/8 (3667) |
| <i>NOTE: Each end and insulated partition adds 1 inch to lineup.</i> | | | | |
| Maximum O/S dimension back to front (<i>with bumper</i>) | 46 1/2 (1181) | 46 1/2 (1181) | 46 1/2 (1181) | 46 1/2 (1181) |
| Back of case to front of front panel | 34 1/2 (876) | 34 1/2 (876) | 34 1/2 (876) | 34 1/2 (876) |
| Back of case to O/S edge of front skid rail | 29 3/8 (746) | 29 3/8 (746) | 29 3/8 (746) | 29 3/8 (746) |
| Width of skid rail | 4 1/2 (114) | 4 1/2 (114) | 4 1/2 (114) | 4 1/2 (114) |
| RH end of case to outside edge of external support | 1 3/8 (34) | 1 3/8 (34) | 1 3/8 (34) | 1 3/8 (34) |
| Distance between edges of external support and center support | NA | 28 1/2 (724) | 40 1/2 (1029) | 40 1/2 (1029) |
| Distance between edges of center supports | NA | NA | NA | 44 (1118) |
| Distance between edges of external supports | 37 (940) | NA | NA | NA |
| Stub-up area between front skid rail and front panel | 5 3/4 (146) | 5 3/4 (146) | 5 3/4 (146) | 5 3/4 (146) |
| Electrical Service  (<i>Electrical Field Wiring connection point</i>) | | | | |
| (B) Length of electrical raceway | 18 3/8 (467) | 18 3/8 (467) | 37 (940) | 37 (940) |
| (C) RH End of case to center of farthest knockout Back of case to center of end knockout | 36 5/8 (930) | 60 3/4 (1543) | 84 3/4 (2153) | 132 3/4 (3372) |
| | 29 5/8 (752) | 29 5/8 (752) | 29 5/8 (752) | 29 5/8 (752) |
| (D) RH End of case to RH end of raceway | 27 5/8 (702) | 51 5/8 (1311) | 57 1/4 (1454) | 105 1/8 (2670) |
| (E) LH End of case to LH end of raceway | 2 1/8 (54) | 2 1/8 (54) | 2 (51) | 2 1/4 (57) |
| Waste Outlet  | | | | |
| (F) RH End of case to the center of waste outlet LH End of case to the center of waste outlet Back O/S of case to center of waste outlet | 24 1/4 (616) | 24 1/4 (616) | 24 1/2 (622) | 72 1/4 (1834) |
| | 23 7/8 (606) | 47 7/8 (1216) | 71 3/4 (1822) | 72 1/8 (1832) |
| | 27 5/8 (702) | 27 5/8 (702) | 27 5/8 (702) | 27 5/8 (702) |
| Water Seal  | | | | |
| Edge of water seal to center of waste outlet Outside diameter of the drip pipe | 4 (102) | 4 (102) | 4 (102) | 4 (102) |
| | 1 1/2 (38) | 1 1/2 (38) | 1 1/2 (38) | 1 1/2 (38) |
| <i>NOTE: Water seal outlet must clear front skid rail; water seal rotation in forward direction only due to low base.</i> | | | | |
| Refrigeration Outlet  | | | | |
| Back of case to center of refrigeration outlet RH end of case to center of refrigeration outlet | 30 3/4 (781) | 30 3/4 (781) | 30 3/4 (781) | 30 3/4 (781) |
| | 8 3/8 (213) | 8 3/8 (213) | 8 3/8 (213) | 8 3/8 (213) |

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Meat, Delicatessen
Precut & Packaged Produce

REFRIGERATION DATA

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

| | E2S | |
|------------------------------|------|------|
| | MEAT | DELI |
| Discharge Air (°F) | 25 | 28 |
| Evaporator (°F) | 18 | 21 |
| Unit Sizing (°F) | 16 | 19 |
| Btu/hr/ft[±] | | |
| Parallel | 840 | 800 |
| Conventional | 920 | 870 |

[±]Optional energy efficient motors reduce the refrigeration load by 21 Btu/hr/ft.

DEFROST DATA

| | |
|---|-----------------|
| Frequency (hr) | 6 |
| Defrost Water | 8 lb/ft/day |
| <i>(± 15% based on case configuration and product loading.)</i> | |
| OFFTIME | E2S |
| Temp Term (°F) | 48 |
| Failsafe (minutes) | 40 |
| ELECTRIC OR GAS | Not Recommended |

Standard Defrost Thermostat
 Close on rise: close 48°F – open 33°F

CONVENTIONAL CONTROLS

| Low Pressure Backup Control | E2S | |
|-----------------------------|--------|--------|
| | Meat | Deli |
| Temp (°F) | 11 / 6 | 14 / 4 |

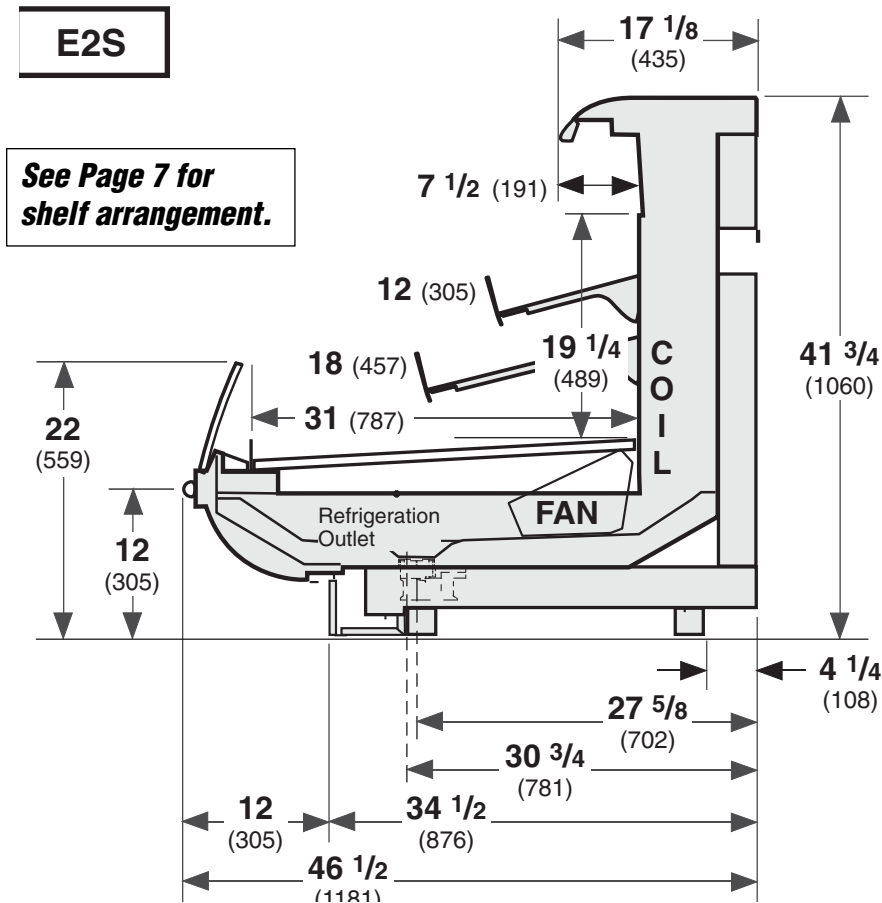
Indoor Unit Only, Pressure Defrost Termination (Temp °F)* 48°F

*Use a Temperature Pressure Chart to determine PSIG conversions.

| Estimated Charge (lb)** | E2S |
|-------------------------|-----|
| 4 ft | 0.9 |
| 6 ft | 1.8 |
| 8 ft | 1.9 |
| 12 ft | 2.9 |

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

Dimensions shown as in. & (mm).



NSF Certification

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

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Electrical Data

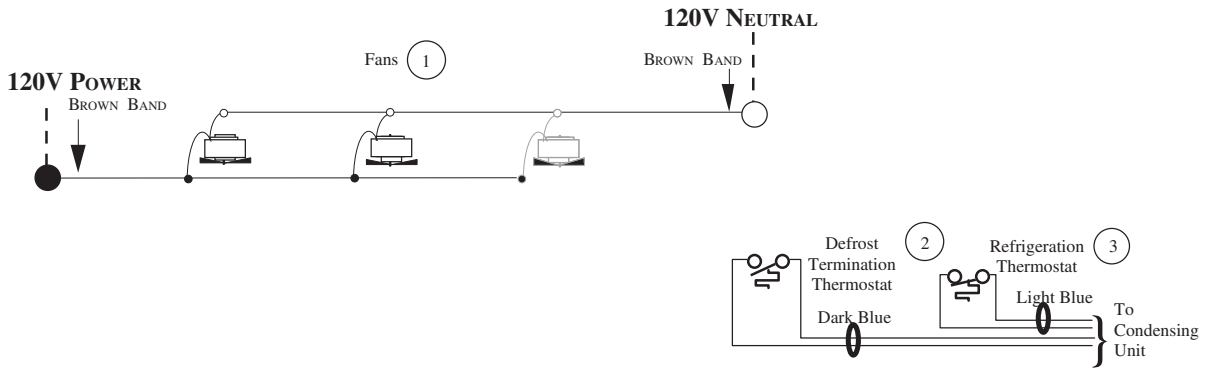
| | 4 ft | 6 ft | 8 ft | 12 ft |
|------------------------------|------|------|------|-------|
| Number of Fans — 7W | 1 | 2 | 2 | 3 |
| Number of Fans — 7W (Export) | 1 | 2 | 2 | 3 |
| (Export: 230V 50 hz shown) | | | | |

| Merchandiser | Amperes | | | | Watts | | | |
|--|---------|------|------|-------|-----------|-----------|-----------|------------|
| | 4 ft | 6 ft | 8 ft | 12 ft | 4 ft | 6 ft | 8 ft | 12 ft |
| Fans | | | | | | | | |
| Standard (120V 60Hz) | 0.50 | 1.00 | 1.00 | 1.5 | <u>39</u> | 78 | 78 | 117 |
| Energy Efficient (120V 60 Hz) | 0.19 | 0.38 | 0.38 | 0.57 | 14 | 28 | 28 | 42 |
| Export (230V 50Hz) | 0.28 | 0.56 | 0.56 | 0.84 | <u>42</u> | <u>84</u> | <u>84</u> | <u>126</u> |
| Cycling Anti-sweat Heaters | NA | | | | | | | |
| Minimum Circuit Ampacity | | | | | | | | |
| With Standard Fans (120V 60Hz) | 0.70 | 1.20 | 1.20 | 1.70 | | | | |
| With Energy Efficient Fans (120V 60 Hz) | 0.39 | 0.58 | 0.58 | 0.77 | | | | |
| With Export Fans (230V 50Hz) | 0.48 | 0.76 | 0.76 | 1.04 | | | | |
| Maximum Over Current Protection | 20 | 20 | 20 | 20 | | | | |
| Export (230V 50Hz) | 15 | 15 | 15 | 15 | | | | |
| Electric Defrost Heaters (208V 1Ph) | NA | | | | | | | |
| Standard Lighting | | | | | | | | |
| 2 Rows Canopy | 0.51 | 1.01 | 1.01 | 1.52 | 66 | 122 | 122 | 183 |
| Optional Lighting | | | | | | | | |
| 1 Row Rail Lights | 0.51 | 0.51 | 0.51 | 0.76 | 62 | 62 | 62 | 96 |
| 1 Row Ledge Lights | 0.51 | 0.51 | 0.51 | 0.76 | 62 | 62 | 62 | 96 |
| Optional Shelf Lighting | | | | | | | | |
| 1 Row of Shelves | 0.51 | 0.51 | 0.51 | 0.76 | 62 | 62 | 62 | 96 |
| 2 Rows of Shelves | 0.51 | 1.01 | 1.01 | 1.52 | 66 | 122 | 122 | 183 |

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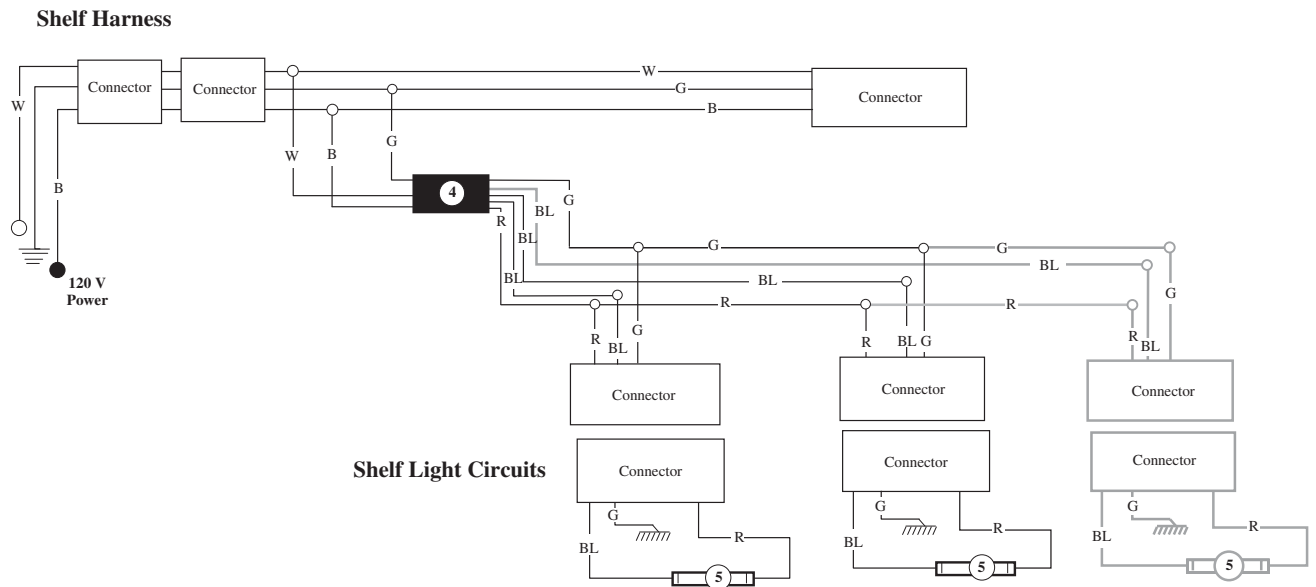
Fan Wiring
Offtime Defrost

2 & 3 Fans



Optional Shelf Harness and Light Circuits for One Row of Shelves

Shelf Lighting



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.

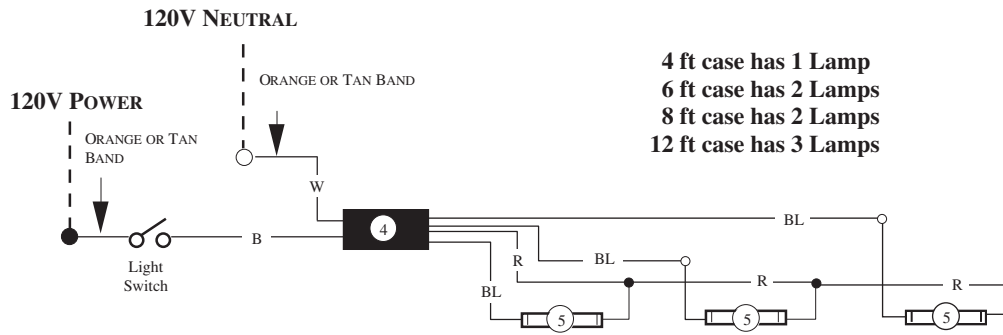
R = Red Y = Yellow G = Green BL = Blue B = Black W = White

● = 120V POWER ○ = 120V NEUTRAL ≡ = Field GROUND ≡≡ = Case GROUND

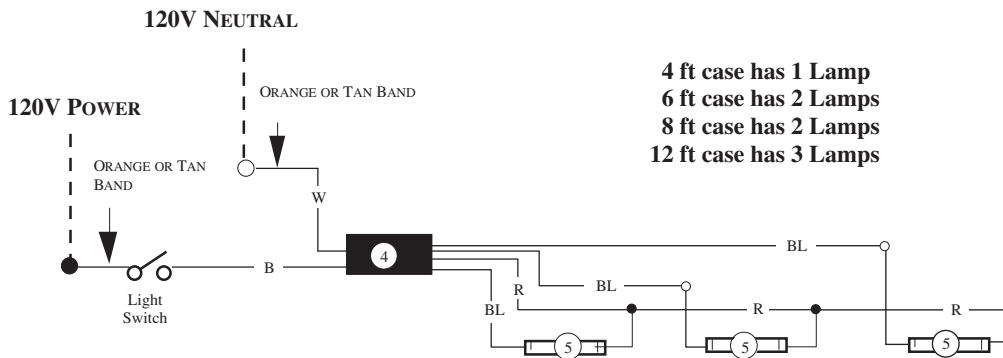
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Light Circuits

Standard Lighting 1 Row Canopy



Optional Lighting: 1 Row Ledge or 1 Row Rail



WARNING

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CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

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

● = 120V POWER ○ = 120V NEUTRAL

SHELF CONFIGURATION

This merchandiser is designed for two shelves.

This illustration shows recommended shelf depth and shelf angle for the two locations.

It is critical to case performance that no product, shelf or stop extend beyond the load limit, as shown in this illustration. This configuration supports the air curtain and provides optimal case performance.

Check with Hussmann engineering before using a different configuration.

